CAP Section 205 Flood Risk Management Study City of Fenton, Missouri DRAFT Feasibility Report Appendices

December 2023



CAP Section 205 Flood Risk Management Study City of Fenton, Missouri Appendix A – Engineering

December 2023



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1 EXISTING CONDITIONS

1.1 PROJECT LOCATION AND HISTORY

The City of Fenton is located in St. Louis County, Missouri. Figure 1-1 shows the general study area location and Figure 1-2 shows the City of Fenton.

The flood of record for the Meramec River basin occurred in May 2017. Major floods were also documented in 1915, 1916, 1942, 1945, 1950, 1957, 1961, 1969, 1979, 1982, 1993, 1994, 2008, 2015, and 2019.

Meramec River flooding in the City of Fenton causes economic damages to residences, businesses, and public structures. Additionally, there is life risk associated with flooding of transportation and emergency corridors.

More recently, the City of Fenton, Missouri (population of approximately 4,000) has experienced several significant flood events including two floods of record within a 16-month timeframe (December 2015 and May 2017). Recent flood events involved both inundation from the Meramec River as well as tributary flash flooding events, including flooding in August 2019 and June 2020 when the Yarnell Creek and Fenton Creek both exceeded 1% AEP flood events. The current (May 2017) and previous (December 2015) flood of record damaged homes and critical infrastructure in the study area and were included in the area declared for federal disaster assistance (DR-4250-MO in 2015, DR-4317-MO in 2017). The flood in December 2015 impacted approximately 11% of homes located in the city, resulting in more than \$3M in documented damages. It exceeded the previous 1982 flood of record by 4 feet. The city also experienced \$1.2M in estimated infrastructure damage, loss of the sewage treatment plant, closure of the major transportation link, Interstate 44, and closure of multiple major connecting routes. Sixteen months later in May 2017, new record and near record water levels occurred on all Meramec Basin gaging stations, including near record levels recorded on the Fenton gage.

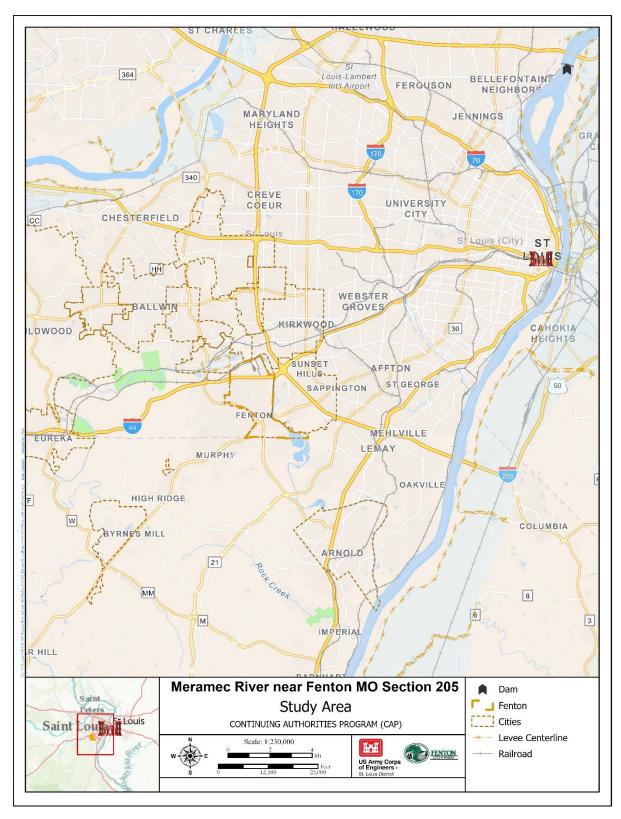


Figure 1-1. Study Area Location

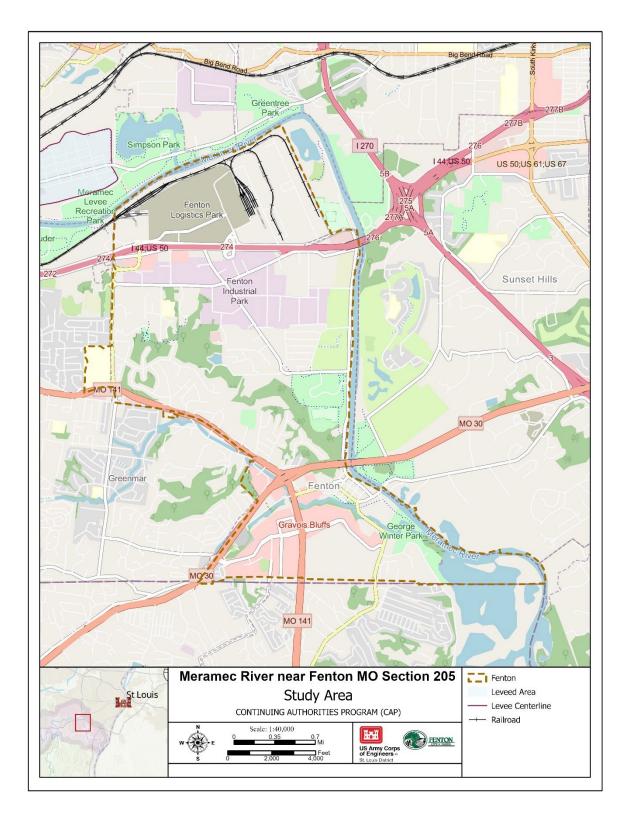


Figure 1-2. Study Area Features

1.2 EXISTING FEATURES

The existing project area does not have any flood control measures, such as levees, berms, floodwalls, detention basins, etc.

1.3 SURVEY DATA

The survey data used for the project was obtained from the U.S. Geological Survey (USGS) database, specifically tile x71y427 in the Saint Louis, Missouri area. This is a tile of the standard one-meter resolution digital elevation model (DEM) produced through the 3D Elevation Program (3DEP). The elevations in this DEM represent the topographic bare-earth surface. USGS standard one-meter DEMs are produced exclusively from high resolution light detection and ranging (lidar) source data of one-meter or higher resolution. One-meter DEM surfaces are seamless within collection projects, but not necessarily seamless across projects. The spatial reference used for tiles of the one-meter DEM within the conterminous United States (CONUS) is Universal Transverse Mercator (UTM) in units of meters, and in conformance with the North American Datum of 1983 (NAD83). All bare earth elevation values are in meters and are referenced to the North American Vertical Datum of 1988 (NAVD88).

2 STRUCTURAL MEASURES

Various structural measures were discussed, such as levees, floodwalls, detention basins, and channel modifications, but due to the study area being located so far downstream on the Meramec River, only the levee and floodwall options were brought forward for analysis. Figure 2-1 shows the alignments that were modeled and analyzed for this study.

Figure 2-1: Locations of Levee/Floodwall Alignments

2.1 LEVEES

Material quantities were estimated using [] method, then provided as a basis for the cost estimate of the levees. The heights of the levees were determined using outputs from hydraulic models. The hydraulic models estimated the water surface elevations associated with flood events from the Meramec River at Fenton, MO, along the proposed levee alignments. The water surface elevation would then be analyzed to determine the crown centerline elevation of the levees. The initial estimated quantity was developed using the 100-year event profile. The 25-year event profile was then evaluated to help reduce the cost of the levees in an effort to find an economically justifiable configuration. Estimated quantities for the levees were calculated by using a typical section) (Figure 2-1), multiplied by the length of the segment, and are displayed in Table 2-1.

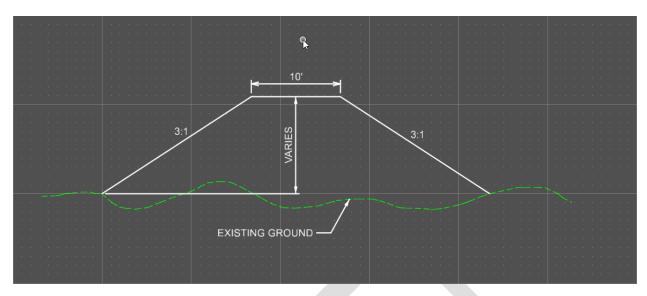


Figure 2-1: Levee Typical Section

Table 2-1: Levee Quantities

Alternative Name/ Measure Name	Length (FT)	Height (FT)	Crown (FT)	Slopes (X:1)	Cross Sectional Area (SF)	Levee Volume (CY)	Turf Area (Acres)	Pump Station (EA)
Levee 1 - 100 year	11,750.12	12.8	10.0	3.0	619.5	269,608.7	25.1	1
Levee 1 - 25 year	11,750.12	7.3	10.0	3.0	232.9	101,342.6	15.7	1
Levee 2 - 100 year	7,775.24	12.4	10.0	3.0	585.3	168,544.2	16.1	1
Levee 2 - 25 year	7,775.24	7.0	10.0	3.0	217.0	62,489.9	10.0	1
Levee 3 - 100 year	4,050.34	12.5	10.0	3.0	593.8	89,070.0	8.5	1
Levee 3 - 25 year	4,050.34	7.0	10.0	3.0	217.0	32,552.7	5.2	1

2.2 FLOODWALLS

Floodwalls were also analyzed for a quantity. The heights of the floodwalls were determined and evaluated the same way as the levees and use the same heights for the 100-year and 25-year events. The quantities for the 100-year event and 25-year event are shown below in Table 2-2 and Table 2-3. These quantities were calculated by using the typical section in Figure 2-2.

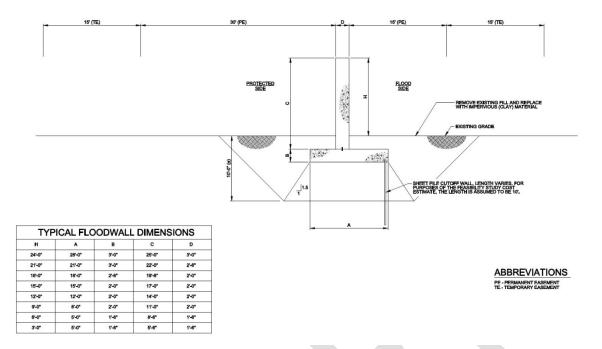


Figure 2-2: Floodwall Typical Section

Table 2-2: Floodwall Quantities

Alternative Name/ Measure Name	Length (ft)	Floodwall Height (ft) Above Grade	Floodwall Height (ft) Below Grade	Floodwall Width (ft)	Floodwall Conc. Volume (CY)
Floodwall 1 - 100 year	11,750.12	12.8	2.0	2.0	347,803.6
Floodwall 1 - 25 year	11,750.1	7.3	2.5	2.0	230,302.4
Floodwall 2 - 100 year	7,775.2	12.4	2.0	2.0	223,926.9
Floodwall 2 - 25 year	7,775.2	7.0	2.5	2.0	147,729.6
Floodwall 3 - 100 year	4,050.3	12.5	2.0	2.0	117,459.9
Floodwall 3 - 25 year	4,050.3	7.5	2.5	2.0	81,006.8

Table 2-3: Additional Floodwall Quantities

Alternative Name/ Measure Name	Foundation Avg Depth (ft)	Foundation Avg Width (ft)	Foundation Conc. Volume (CY)	Sheet Pile (Assume 10') (SF)	Excavation Estimate (CY)	Compacted Backfill Estimate (CY)	Pump Station (EA)
Floodwall 1 - 100 year	2.0	15.0	352,503.6	117,501.2	66,439.0	66,409.0	
Floodwall 1 - 25 year	2.0	8.0	188,001.9	117,501.2	60,854.0	60,838.0	
Floodwall 2 - 100 year	2.0	15.0	233,257.2	77,752.4	43,963.7	43,933.7	1
Floodwall 2 - 25 year	2.0	8.0	124,403.8	77,752.4	40,268.1	40,252.1	1
Floodwall 3 - 100 year	2.0	15.0	121,510.2	40,503.4	22,901.9	22,871.9	
Floodwall 3 - 25 year	2.0	8.0	64,805.4	40,503.4	20,976.8	20,960.8	

CAP Section 205 Flood Risk Management Study City of Fenton, Missouri Appendix B – Climate Change

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1 OBSERVED LOCAL WEATHER

Monthly precipitation and temperature data were obtained from the National Weather Service's Global Historical Climatology Network (GHCN). The data is from the Farmington, Missouri gage (Network ID GHCND: USC00232809, Latitude 37.7922°, Longitude -90.4102°, Elevation 282.9 m). Table 5-1 shows precipitation statistics and Table 5-2 shows temperature statistics for the period of January 1907 to July 2017. The average, maximum, and minimum yearly temperature and precipitation from the Farmington gage for the period of 1893-2017 are graphed in Figure 5-1.

Table 5-1. Precipitation Data at Farmington, Missouri

	Precipitation			Snowfall			
Month	Average	Minimum	Maximum	Average	Minimum	Maximum	
	(in)	(in)	(in)	(in)	(in)	(in)	
Jan	2.4	0.0	10.9	3.0	0.0	14.8	
Feb	2.5	0.2	6.4	3.2	0.0	15.5	
Mar	3.8	0.5	10.4	2.5	0.0	20.4	
Apr	4.6	1.0	14.5	0.1	0.0	3.0	
May	4.9	0.5	13.4	0.0	0.0	0.8	
Jun	3.8	0.2	17.7	0.0	0.0	0.0	
Jul	3.7	0.2	9.4	0.0	0.0	0.0	
Aug	3.7	0.1	9.0	0.0	0.0	0.0	
Sep	3.4	0.1	15.1	0.0	0.0	0.0	
Oct	3.1	0.2	12.2	0.0	0.0	2.0	
Nov	3.6	0.3	11.3	0.7	0.0	17.5	
Dec	3.0	0.2	13.0	2.4	0.0	17.2	
Annual	42.6			12.0			

Table 5-2. Temperature Data at Farmington, Missouri

	Temperature					
Month	Average	Minimum	Maximum			
	(°F)	(°F)	(°F)			
Jan	32.3	4.0	54.0			
Feb	36.2	12.5	57.4			
Mar	45.4	20.2	73.6			
Apr	56.1	36.4	77.1			
May	64.2	45.0	86.4			
Jun	73.1	53.1	95.9			
Jul	77.1	58.9	103.2			
Aug	75.7	56.6	101.5			
Sep	68.1	47.7	89.5			
Oct	57.3	35.1	82.8			
Nov	45.1	23.9	65.3			
Dec	35.5	11.3	54.6			
Annual	55.5					

A cursory review of the 30-year moving averages does not yield any immediately alarming trends over the period of 1893-2017. The following are observations about the 30-year moving average trendlines for each temperature and precipitation graph shown in Figure 5-1: Average annual temperature appears to have just completed an 80-year-long sine-wave-like cycle, however this does not necessarily indicate the direction or magnitude of future trends. Minimum annual temperature dropped by 3 to 4 degrees F in the early 1970s but has since recovered to pre-1970s levels. Maximum annual temperature shows constancy since the early 1970s. Average annual precipitation seems to be increasing slightly since the early 1970s. Minimum annual precipitation has remained steady with only small adjustments. Maximum annual precipitation has varied within a range of 2 inches.

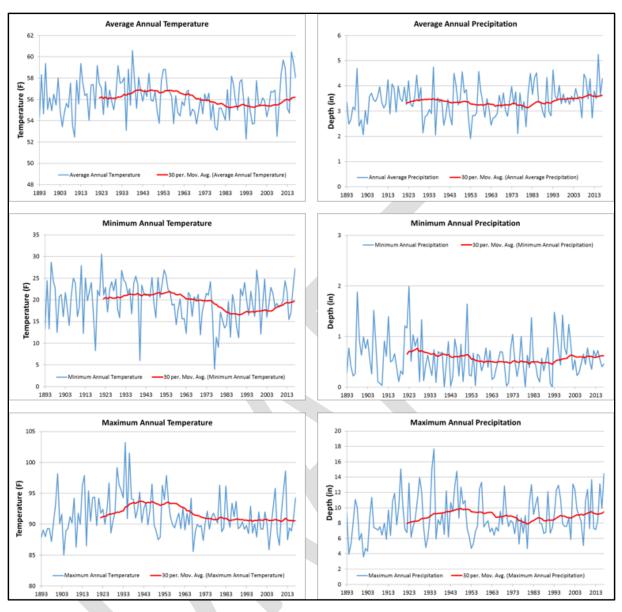


Figure 5-1. Average, Maximum, and Minimum Yearly Temperature and Precipitation at Farmington, Missouri

2 OBSERVED LOCAL TRENDS

2.1 CLIMATE HYDROLOGY ASSESSMENT TOOLBOX

The USACE Climate Hydrology Assessment Tool, created by USACE, was used to examine observed streamflow trends in the vicinity of the study area. The tool only has capability to assess the annual maximum of mean monthly streamflow. The hydrologic time series were generated at Fenton and Eureka for the Meramec River and Byrnesville for the Big River, which joins the Meramec River just upstream of Eureka. Using a Representative Concentration Pathway (RCP) trajectory value of 8.5, these gages all exhibit a slightly increasing future trend in annual maximum of mean monthly streamflow. This RCP scenario assumes that carbon

emissions will keep increasing through the projection period at the same rate that they are currently. The analysis from the Big River gage near Byrnesville (07001026) has a p-value of 0.00825, which indicates that the trend is statistically significant (p<0.05). The analysis from the Meramec River gage near Eureka (07001393), has a p-value of 0.0159, which indicates that the trend is statistically significant (p<0.05). The analysis from the Meramec River gage near Fenton (07001389) shown in Figure 5-2, has a p-value of 0.0127, which indicates that the trend is statistically significant (p<0.05).

Despite these trends being statistically significant, this does not indicate that the trends themselves are large. At the Fenton gage, the increase in annual maximum of mean monthly streamflow is only 1681 cfs (33.6 cfs per year * 50 years). An increasing trend in streamflow this small would have no significant impact on this project, as over the 50-year lifespan of the project, the increase would have minimal impact on associated hydraulic forces.

The increasing annual peak streamflow trend may be attributable to land use change, climate change, and/or watershed development. All of these potentially attributable factors are being researched further through a SWAT model, as previously discussed in section 3.3.1.

The Climate Hydrology Assessment tool can be found here: https://maps.crrel.usace.army.mil/projects/rcc/portal.html

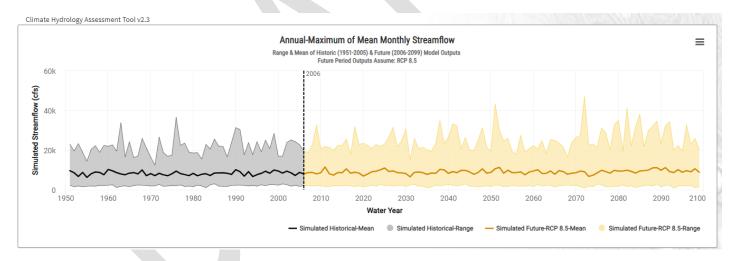


Figure 5-1. Annual-Maximum of Mean Monthly Streamflow, Meramec River at Fenton

2.2 NONSTATIONARITY DETECTION TOOL

Stationarity is the assumption that streamflow and runoff function within a fixed envelope of natural variability, in such a way that their past behavior can be used to represent future conditions. Data that is nonstationary has means, variances, and/or co-variances that change over time. This means its past behavior does not necessarily represent future conditions, but may indicate long-term trends and cycles.

The Nonstationarity Detection Tool, created by USACE, was used to examine the time series for annual peak streamflow at Richwoods, Byrnesville, and Eureka gages. The tool uses twelve statistical tests to detect three types of nonstationarities: mean, variance, and distribution. A strong nonstationarity has consensus, robustness, and magnitude, as outlined in Appendix B-5 of ETL 1100-2-3. Consensus means that the nonstationarity was detected by two or more tests of the same type (mean, variance, and distribution). Robustness means that the nonstationarity was detected by two or more different types of tests. Nonstationarities are associated with a change in mean or variance, so the magnitude of that change is also important in determining whether or not a nonstationarity is strong and of significance.

A nonstationarity was detected at the Richwoods gage in 1983 using a timeframe of 1953-2022. This nonstationarity lacks consensus, robustness, and magnitude. A nonstationarity was also detected at the Byrnesville gage in 1983 using a timeframe of 1923-2022, but it also lacks consensus, robustness, and magnitude. A nonstationarity was detected at the Eureka gage between 1979 and 1981 using a timeframe of 1922-2022. Example results from the Eureka gage are shown in Figure 5-3. This is a strong nonstationarity because it has consensus, robustness, and magnitude. Four statistical tests were triggered, indicating a nonstationarity. Two tests – Kolmogorov-Smimov (CPM) and the Energy Divisive Method – indicate a change in distribution; two tests – Lombard Wilcoxon and Pettitt – indicate a change in mean. Since the tests checking for a change in distribution agree with the tests checking for a change in mean, the nonstationarity has consensus and robustness. Meanwhile, the magnitude of the increase in segment mean for annual peak flow is non-trivial.

The second largest flow event observed in the continuous period of record occurred in 1983 and likely played a role in triggering the nonstationarity detected in the early 1980s. This nonstationarity shows an increase in mean annual flow, which is in agreement with the CHAT analysis. Additionally, the nonstationarity at Eureka occurs at approximately the same time as the nonstationarities at the Byrnesville and Richwoods gages, which raises their credibility.

The Nonstationarity Detection Tool (NSD) can be found here: https://maps.crrel.usace.army.mil/projects/rcc/portal.html

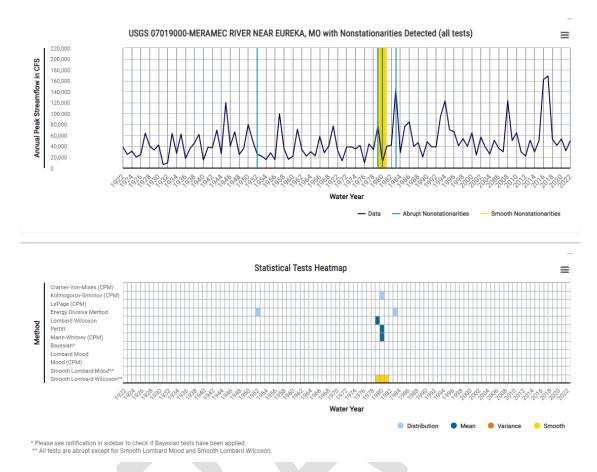


Figure 5-2. Nonstationarity Analysis of Maximum Annual Flow, Meramec River near Eureka, MO.

2.3 TIMESERIES TOOLBOX

The USACE Timeseries Toolbox, created by USACE, was used to examine both the mean and median streamflow trends on the Big River at the Byrnesville gage. The toolbox provides a variety of tools that are helpful in assessing long-term trends hidden within the data. If annual median or mean flow were changing, then annual sediment transport could also be affected, since sediment transport is correlated closely with flow.

For monthly median flows, there were no statistically significant (p<0.05) trends detected by either the Mann-Kendall (p=0.113) or the Spearman Rank-Order (p=0.111) tests, which check for consistent increasing/decreasing trends and an association between time and drought condition. This is also true of monthly mean flows, with these two tests returning p-values of 0.367 and 0.364, respectively. In other words, both median and mean flows show no statistically significant increasing or decreasing trends. In addition, median and mean flows did not show an increasing or decreasing trend at all. This suggests that an annual change in sediment transport would not be driven by a change in mean or median flow.

For annual median flows, three nonstationarities were detected, but they all lack consensus, robustness, and magnitude. However, the tests did highlight two short periods during which

annual median flow was significantly higher than usual, as shown in Figure 5-4. The nonstationarity detection tests were also performed on annual mean flow, as shown in Figure 5-5, with no nonstationarities detected. Annual median flow was significantly elevated from 1927 to 1929, and in 1957.

In contrast to annual median flow, annual mean flow can be strongly affected by short high flows. In the early 1990s, the annual mean flow was relatively high while the annual median flow appeared within its normal range. The elevated annual mean flow suggests that there were more high flows than in a typical year, which pulled the annual mean upward; but the normal annual median flow suggests that there was a typical number of lower (normal) flows as well.

The Timeseries Toolbox can be found here: https://maps.crrel.usace.army.mil/projects/rcc/portal.html/

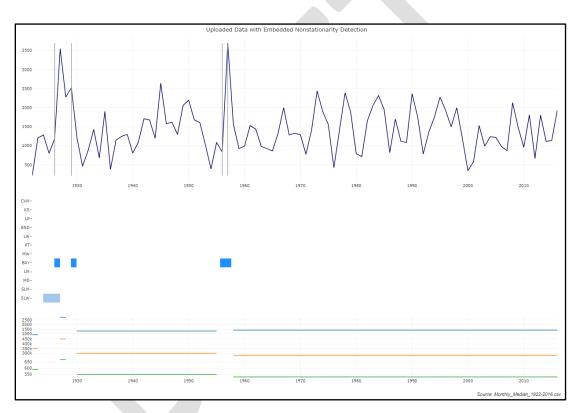
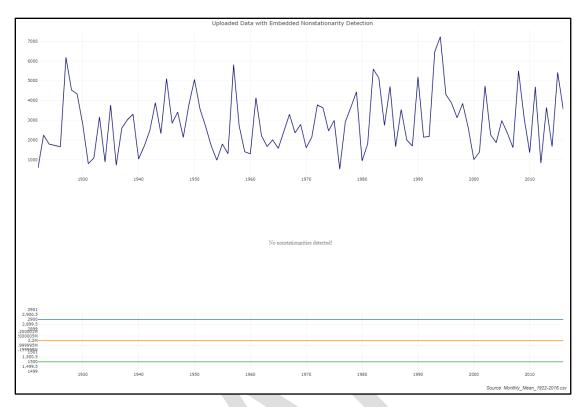


Figure 5-3. Nonstationarity Analysis of Annual Median Flow, Big River near Byrnesville, MO



Figure

Figure 5-4. Nonstationarity Analysis of Annual Mean Flow, Big River near Byrnesville, MO

3 LITERATURE REVIEW

U.S. Army Corps of Engineers personnel have authored regional reports summarizing available scientific literature available to meet the Corps' goal of addressing potential climate change impacts in planning and decision making. The Meramec River Watershed falls within Region 7 – the Upper Mississippi Region (USACE, 2015). A graphical summary of observed and projected trends and literature consensus is shown in Figure 5-6. From those reports, the following was summarized:

- The general consensus in recent literature points toward moderate increases in temperature, precipitation, and streamflow in the Upper Mississippi Region over the past century.
- In some studies and some locations, statistically significant trends have been quantified. In other studies and locales within the Upper Mississippi Region, apparent trends are observed graphically, but are not statistically quantified.
- Some evidence points to an increased frequency in the occurrence of extreme storm events (Villarini et al., 2013).
- Multiple authors identified a transition point in climate data trends in 1970 where rates of increase changed significantly.

There is strong consensus in the literature that air temperatures will increase in the study region and throughout this country over the next century. The studies reviewed generally agree on an increase in mean annual air temperature of approximately 2 to 6 °C (3.6 to 10.8 °F) by the latter half of the 21st century in the Upper Mississippi Region. Reasonable consensus is also seen in the literature with respect to projected increases in extreme temperature events, including more frequent, longer, and more intense summer heat waves in the long term future compared to the recent past.

Increased air temperatures and increased frequencies of drought, particularly in the summer months, will probably result in increased water temperatures. This may lead to changes in dissolved oxygen levels, which is an important water quality parameter for aquatic life. Increased air temperatures are associated with the growth of nuisance algal blooms and influence wildlife and supporting food supplies.

Projections of precipitation found in a majority of the studies forecast an increase in annual precipitation and in the frequency of large storm events; however, there is some evidence presented that the northern portion of the Upper Mississippi Region will experience a slight decrease in annual precipitation. Additionally, seasonal deviations from the general projection pattern have been presented with some studies indicating a potential for drier summers. Lastly, despite projected precipitation increases, droughts are also projected to increase in the basin as a result of increased temperature and evapotranspiration rates.

A clear consensus is lacking in the hydrologic projection literature. Projections generated by coupling Global Climate Models with macro-scale hydrologic models in some cases indicate a reduction in future streamflow but in other cases indicate a potential increase in streamflow. Of the limited number of studies reviewed here, more results point toward reduction than increase, particularly during the summer months.

Increased mean annual precipitation in the region may pose complications to planning for ecosystem needs and lead to variation in flows. This may be particularly true during dry years when water demands for conflicting uses may outweigh water supply.

Given the high degree of variability and uncertainty in weather patterns in general and in predictions of future weather patterns in particular, quantifying future project impacts is inexact. As summarized above, there is no consensus with respect to forecasts for future streamflow in the basin.

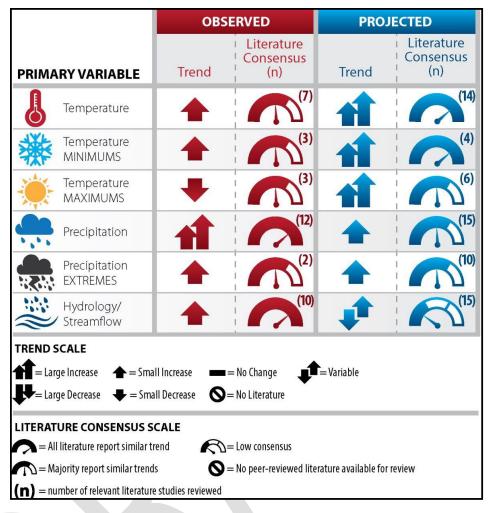


Figure 5-1. Graphical Summary of Observed and Projected Regional Climate Trends and Literature Consensus (USACE, 2015)

4 REGIONAL TRENDS

The USACE Climate Hydrology Assessment Tool was used to examine observed and projected trends in watershed hydrology. This tool was used on the greater Upper Mississippi-Kaskaskia-Meramec Rivers. As expected for this type of analysis, there is considerable but consistent spread in the projected annual maximum monthly flows (Figure 5-7). The overall projected trend in annual maximum instantaneous streamflow increases over time (Figure 5-8). This increase is statistically significant (*p*-value <0.05) and suggests that there may be potential for higher peak streamflows in the future; this is consistent with the CHAT analysis presented in Section 5.2. Features are designed to withstand peak flows, and relatively small increases to peak flow have little effect on their survival.

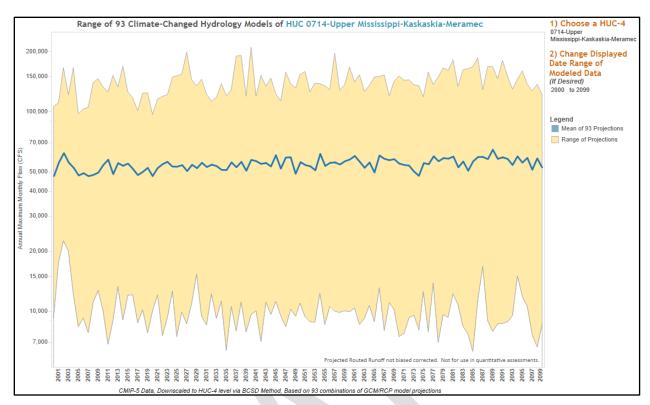


Figure 5-1. Range in the Projected Annual Maximum Monthly Flows, HUC 0714 Upper Mississippi-Kaskaskia-Meramec



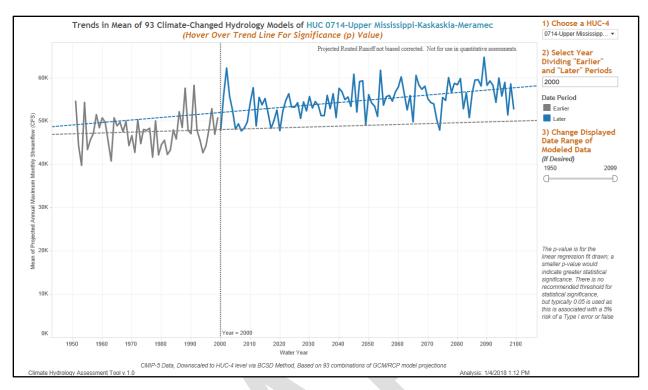


Figure 5-2. Mean Projected Annual Maximum Monthly Streamflow, HUC 0714 Upper Mississippi-Kaskaskia-Meramec. Trendline Equation: Q = 57.5719 * (Water Year) – 63194.8, p < 0.0001

CAP Section 205 Flood Risk Management Study City of Fenton, Missouri Appendix C – Real Estate Plan

August 2023



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1. PURPOSE

This Real Estate Plan (REP) has been prepared to present the real estate requirements and support the City of Fenton, Missouri Flood Risk Management Feasibility Study Report with Integrated Environmental Assessment (EA) (Project) authorized by Section 205 of the 1948 Flood Control Act, as amended, which provides a continuing authority for the Corps of Engineers to develop and construct small flood control projects without additional congressional authorization. This REP identifies Lands, Easements, and Rights-of-Way (LER) necessary to complete the Project. The nonfederal sponsor for this study is the City of Fenton, Missouri, and the feasibility cost-share agreement was executed on 29 November 2022.

The City of Fenton located in St. Louis County, Missouri. Figure 1-1 shows the general study area location. Figures 1-2 and 1-3 show key study area features.

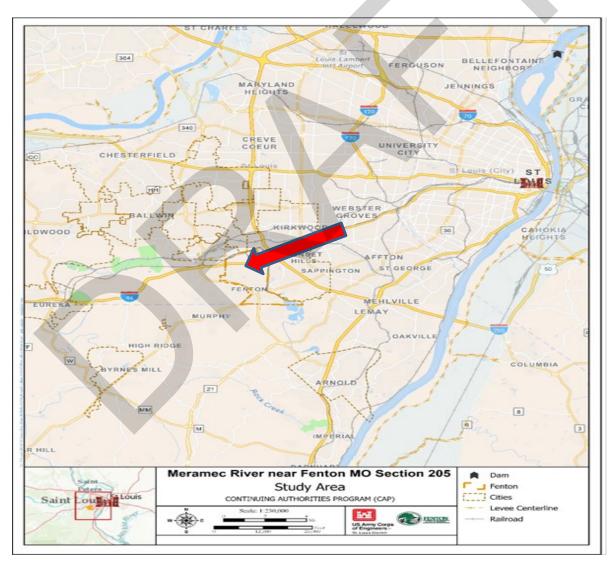


Figure 1-1. Study Area Location

Figure 1-2. Study Area Features

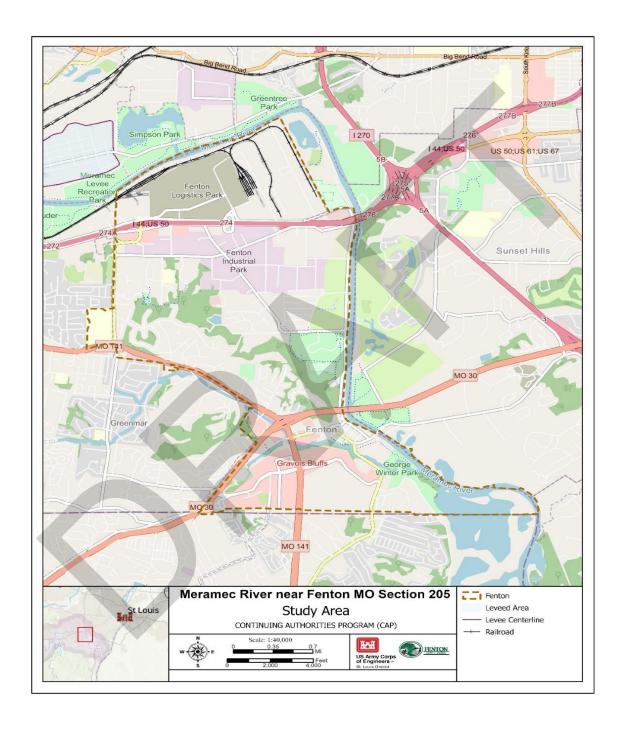
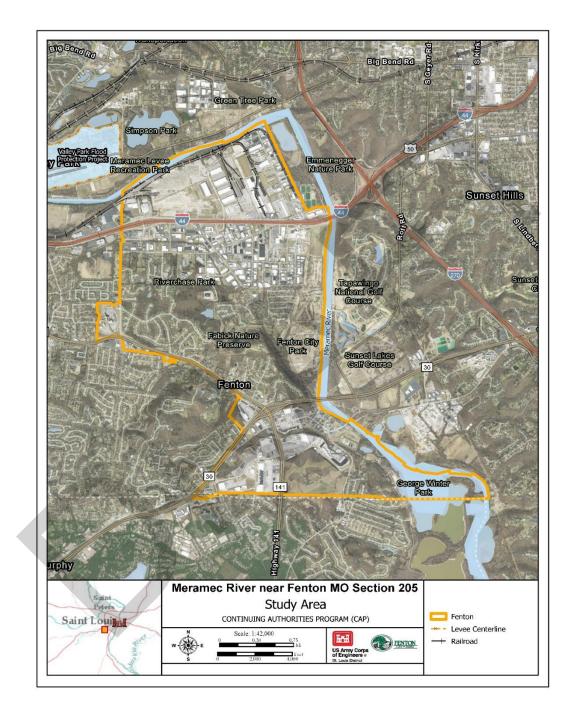


Figure 1-3. Study Area Features on Aerial Imagery



The overarching goal of this study is to formulate an alternative for flood risk reduction and determine if Federal participation within the study area is justified. The Federal Objective, as set forth in the Water Resources Development Act of 2007, specifies that Federal water resources investments shall reflect national priorities, encourage economic development, and protect the environment by:

- seeking to maximize sustainable economic development;
- seeking to avoid the unwise use of floodplains and flood-prone areas and minimizing adverse impacts and vulnerabilities in any case in which a floodplain or flood-prone area must be used; and
- protecting and restoring the functions of natural systems and mitigating any unavoidable damage to natural systems.

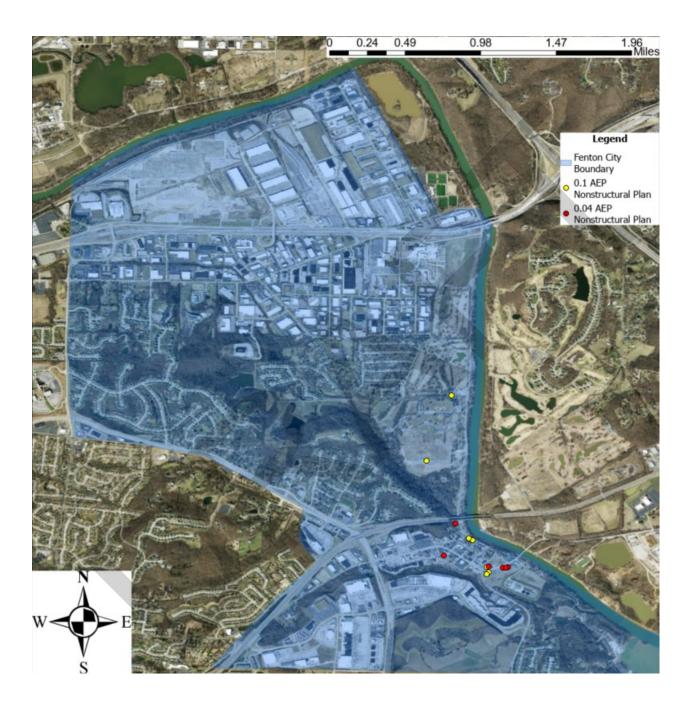
The study will evaluate and compare the benefits, costs, and impacts (positive or negative) of alternatives to reduce flood risk in the city, including the No Action Alternative.

Specific study objectives were developed to identify measures and alternatives which are capable of addressing the study area's problems while taking advantage of the identified opportunities and avoiding the constraints. The following study objectives were developed based on the study area problems, opportunities, and goals, as well as the federal objective and regulations. Objectives:

- Reduce life safety risk due to flooding, including inundation of emergency corridors and critical infrastructure, in the City of Fenton over the period of analysis.
- Reduce economic damage due to flooding in the City of Fenton over the period of analysis.
- Increase recreation opportunities in the City of Fenton related to flood risk reduction measures (if applicable).

Based on the evaluation and comparison of the final array of alternatives presented in Section 8 of the main drafted feasibility report, Alternative 3 (Nonstructural) has been identified as the Tentatively Selected Plan (TSP). The TSP includes wet floodproofing for 13 commercial structures and elevation for one residential structure. The approximate locations of these structures are shown in Figure 1-4.

Figure 1-4. Structures Included in the Tentatively Selected Plan.



2. LANDS, EASEMENTS, AND RIGHTS-OF-WAY (LER)

The Tentatively Selected Plan (TSP), Alternative 3 (Nonstructural) includes wet floodproofing for 13 commercial structures and elevation of one residential structure. The approximate locations of these structures are shown in Figure 1-4 above.

Structure ID	Ownership Type	Structure Type	Mitigation Type	Perimeter (ft)	Estate*
239	Private	Commercial	Wet Floodproofing	423.8438	Restrictive Covenant
240	Private	Commercial	Wet Floodproofing	747.46	Restrictive Covenant
242	Private	Commercial	Wet Floodproofing	649.53	Restrictive Covenant
252	Private	Industrial	Wet Floodproofing	738.5925	Restrictive Covenant
250	Private	Industrial	Wet Floodproofing	467.5	Restrictive Covenant
251	Private	Industrial	Wet Floodproofing	243	Restrictive Covenant
299	Private	Commercial	Wet Floodproofing	225	Restrictive Covenant
282	Private	Industrial	Wet Floodproofing	288	Restrictive Covenant
330	Private	Commercial	Wet Floodproofing	221.6225	Restrictive Covenant
310	Private	Commercial	Wet Floodproofing	738.53	Restrictive Covenant
300	Private	Commercial	Wet Floodproofing	783.4715	Restrictive Covenant
241	Private	Industrial	Wet Floodproofing	1357.5	Restrictive Covenant
0	City Owned	Industrial	Wet Floodproofing	720.6	Restrictive Covenant
28	Private	Residential	Elevation	353.795	Restrictive Covenant

3. SPONSOR-OWNED LER

The NFS owns none of the structures within the Project area.

4. NON-STANDARD ESTATES

Non-standard estates are required for implementation of this Project. There are different acquisition options concerning floodproofing and to date, there is minimal guidance on a standard pathway. Districts within the USACE have implemented different versions to date. Method of acquisition varied depending on options chosen: USACE Led Contracting w/ NFS Support, Section 204 of WRDA 1986 - NFS Led Contracting w/ USACE Support, Section 202 Hybrid - Property Owner Contracting w/ USACE & NFS Support or a Grant-like Program. Regardless of method used, the following Non-Standard Estate is recommended, a RESTRICTIVE CONVENANT.

A restrictive covenant is a provision in a real property conveyance that limits a landowner's use of the property. The beneficiaries of a restrictive covenant obtain rights from such covenants, and this may be the parties who agreed to the restrictive covenant or adjunct property owners who benefit from the restrictive covenant. For example, in *Ezer v. Fuchsloch*, a California Court of Appeals affirmed a lower court order requiring property owners to cut down certain trees on their property to the level of their single-story house pursuant to a restrictive covenant which provided that "no tree, shrub, or other landscaping should be planted that would at present or in the future obstruct the view [of the Pacific Ocean] from any other lot."

Districts throughout the USACE have implemented Restrictive Easements for mitigation and conservation purposes. Samples of restrictive covenants are included as Exhibit E within this appendix. These samples could serve as the foundation to develop the proper estate to protect the mitigation efforts and investment dollars in the Project. A floodproofing agreement is included as Exhibit E within this appendix.

5. EXISTING FEDERAL PROJECTS

The Project is not within the vicinity of other existing federal projects.

6. FEDERALLY OWNED LANDS

The Project is not located on federally owned lands.

7. NAVIGATION SERVITUDE

This Project does not serve a purpose which is in the aid of navigation. Therefore, the use of navigation servitude is not available for the Project.

8. MAPPING

A map of the site location is included as Exhibit A.

9. INDUCED FLOODING

Section 3.1 HYDROLOGIC AND HYDRAULIC CONDITIONS and Section 3.1.2 INUNDATION MODELING for the draft report, analyzed flood risks for the Meramec River for existing conditions, modeled using existing hydrologic and hydraulic models produced by the FEMA Flood Insurance Study update for St. Louis County. The existing models were expanded using additional rainfall data from NOAA Atlas 14 to evaluate a suite of 8 rainfall frequencies. The proposed TSP will not cause induced flooding. Mitigation being utilized and methods of deployment are to protect individual properties from naturally occurring flood events already in existing in the area.

10. BASELINE COST ESTIMATE

The total estimated real estate costs, includes NFS and Federal incidental costs. The required LER is \$ 463,482.40

01: Land and Damages NSF Incidental Cost	\$183,750.00
Restrictive Covenant Structure ID 28	\$254,732.40
02: Total Relocations (FY24\$)	\$0
30/31: PED/Construction	\$0
Federal Real Estate Oversight	\$20,000.00
Estimated TC (FY24\$) Contingency @25%	\$5,000.00
Total L&D (FY24\$)	\$ 463,482.40

11. RELOCATION ASSISTANCE BENEFITS

The Recommended Plan does not require the Project to provide temporary or permanent relocation benefits to residential, farm, or business entities.

12. MINERAL ACTIVITY

There are no known mineral rights or activities affecting the study area.

13. SPONSOR ASSESSMENT

The acquisition of lands, easements, rights-of-way, relocations, and disposal lands (LERRDs) are the responsibility of the NFS. The NFS has the legal authority and power to enter into the Project Partnership Agreement (PPA).

14. ZONING

No known zoning ordinances are proposed.

15. SCHEDULE OF LAND ACQUISITION MILESTONES

Following approval of the Project, and execution of the Project Partnership Agreement (PPA), the NFS will proceed with acquisition of the land rights, after a notice to proceed is issued. Typically, a period of one year is allowed to complete all land acquisition activities for a project.

TASK	DURATION (Days)
ROE S&E/ Survey and	60
Mapping Tract Appraisal	60
Secure Title	30
Commitment(s) Preliminary Title Opinion	30
Negotiations/Signed OTS	45
Final Title Opinion	30
Closing/ Conveyance of Title	15
Right of Way Certification	270

16. FACILITY OR UTILITY RELOCATIONS

There are no requirements for facility or utility relocations.

17. HTRW

An environmental records search was conducted on several environmental databases. The environmental records search identified the following environmental concern:

Fenton Logistics Park (Formerly Chrysler Automobile Assembly Plant). This plant operated from approximately 1959-2011. This is a neighboring property (directly south of the west side of the proposed levee 1) located on 1050 Dodge Drive, Fenton, MO 63026 with known contaminants in the soil and groundwater. Known soil contaminants include Benzo(a)pyrene, Lead, Metals, Semi-Volatile Organic Compounds (SVOCs). Known surface soil contaminants include Benzo(a)pyrene, Lead, Metals, and SVOCs. On the eastern portion of the site, a tank farm of 9 Underground Storage Tanks (UST's) remains. Known contaminants in soil and groundwater on this portion of the site include VOCs, SVOCs, metals, Total Petroleum Hydrocarbons (TPH), and Polychlorinated Biphenyls (PCBs). PCB-impacted concrete may also be present. Further site investigation on the topography (for stormwater flow) and groundwater flow in the area will be necessary to determine if these contaminants have the potential to migrate to the subject property. Further review of the property and more in-depth information from the Missouri Department of Natural Resources will be obtained in the Phase 1 environmental site assessment.

The environmental records search identified the following known/remediated environmental conditions within the immediate area of the proposed action:

Chrysler Dump. 478 S Highway 141, Fenton, MO 63026. The Chrysler Dump previously
contained hardened paint waste adjacent to Fenton creek on the south side of proposed
levee 2. The site was placed on the U.S. EPA's Comprehensive Environmental Response,
Compensation, and Liability information system in 1993 due to soil and groundwater

contamination. Cleanup began in early 1997, which consisted of excavating and disposing of the solid waste and drums, placement of eighteen inches of a clean, compacted clay soil liner over the affected area, and the placement six inches of vegetated topsoil over the clay liner.

- Four former underground storage tank facilities (along Gravois Rd, north side of proposed levee 3)
 - Sieveking (Texaco). 12960 Old Gravois Rd, Sunset Hills, MO 63127. No further action letter issued with restriction (2016).
 - Gravois Quik Stop. 12981 Gravois Rd. Sunset Hills, MO 63127. No further action letter issued with restriction (2018).
 - Shaw Service. 12954 Gravois Rd. Sunset Hills, MO 63127. No further action letter issued with restriction (2005).
 - Price Brothers Independent. 12950 Gravois Rd. St. Louis MO 63127. No further action letter issued (1994).

The environmental records search identified the following known/remediated environmental conditions on adjoining properties of the proposed action:

 Valley Park TCE Superfund Site. This site is located in the eastern portion of the city of Valley Park, just north of the project area across the Meramec River. The primary contaminants of concern for this site are Tetrachloroethylene (PCE) and Trichloroethylene (TCE) in the soil and groundwater. Cleanup activities have taken place and monitoring continues at the site. Further evaluation of the extent of contaminated soil and groundwater is currently being conducted.

A review of available satellite imagery from the period 2005 to the present day was conducted to assess any significant land use changes. The project area has remained mostly unchanged from 2005, featuring primarily commercial/industrial properties with the exception of the demolition of the Chrysler Automobile Assembly Plant located at 1050 Dodge Drive. This property appears to have been demolished in 2011.

In addition, environmental records from the Missouri Environmental Emergency Response Tracking System (MEERTS) and the Missouri Environmental Record Logging Index (MERLIN) were reviewed in the immediate project vicinity. This review revealed 12 incidents involving material releases at properties bordering the subject property.

All findings on this report shall be further evaluated during the Phase 1 ESA per ASTM E1527-21 guidelines.

18. LANDOWNER ATTITUDE

There is no known landowner opposition to this Project.

19. NOTIFICATION TO THE SPONSOR REGARDING THE RISKS ASSOCIATED WITH LAND ACQUISITION BEFORE EXECUTION OF THE PROJECT PARTNERSHIP AGREEMENT (PPA)

The NFS has the legal authority and power to enter into the PPA and to provide the necessary real estate interests. The NFS has been notified, in writing, of the risks associated with acquiring land before execution of the PPA.

CAP Section 205 Flood Risk Management Study City of Fenton, Missouri Feasibility Study Report with Integrated Environmental Assessment

20. OTHER RELEVANT REAL ESTATE ISSUES

No other known relevant real estate issues exist.

Prepared by:

Sonnja Molton-Reese Realty Specialist, Planning & Acquisition Branch Mississippi Valley Division U.S. Army Corps of Engineers Reviewed by:

Edwin Ramos Chief, Planning & Acquisition Branch Mississippi Valley Division U.S. Army Corps of Engineers

EXHIBIT A - PROJECT STUDY AREA

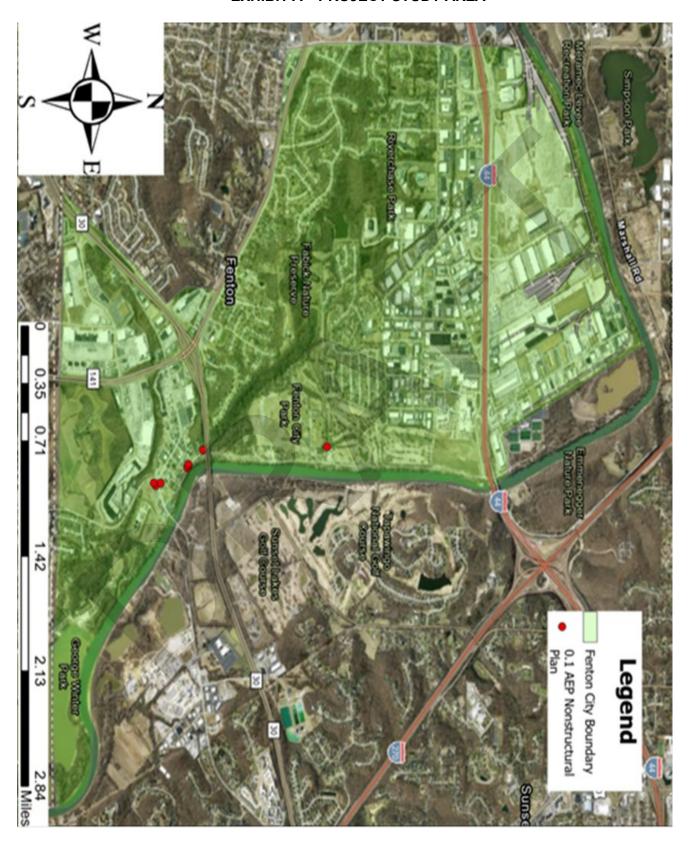


EXHIBIT B - ASSESSMENT OF NON-FEDERAL SPONSOR'S REAL ESTATE

CAPABILITY

I. Legal Authority:

- a) Does the sponsor have legal authority to acquire and hold title to real property for project purposes? YES
- b) Does the sponsor have the power of eminent domain for this project? YES, for lands held by private citizens.
- c) Does the sponsor have "quick-take" authority for this project? YES, for the lands held by private citizens.
- d) Are any of the lands/interests in land required for the project located outside the sponsor's political boundary? <u>NO</u>
- e) Are any of the lands/interests in land required for the project owned by an entity whose property the sponsor cannot condemn? NO

II. Human Resource Requirements:

- a) Will the sponsor's in-house staff require training to become familiar with the real estate requirements of Federal projects including P.L. 91-646, as amended? YES
- b) If the answer to II.a. is "yes," has a reasonable plan been developed to provide such training? YES
- c) Does the sponsor's in-house staff have sufficient real estate acquisition experience to meet its responsibilities for the project? YES
- d) Is the sponsor's projected in-house staffing level sufficient considering its other workload, if any, and the project schedule? YES
- e) Can the sponsor obtain contractor support, if required in a timely fashion? YES
- f) Will the sponsor likely request USACE assistance in acquiring real estate? NO

III. Other Project Variables:

- a) Will the sponsor's staff be located within reasonable proximity to the project site? YES
- b) Has the sponsor approved the project/real estate schedule/milestones? YES

IV. Overall Assessment:

- a) Has the sponsor performed satisfactorily on other USACE projects? YES
- b) With regard to this project, the sponsor is anticipated to be: Marginally capable. The NFS's capability is assessed as FULL CAPABLE

V. Coordination:

- a) Has this assessment been coordinated with the sponsor? YES
- b) Does the sponsor concur with this assessment? YES

Prepared By,

Sonnja Molton-Reese

Realty Specialist, Planning & Acquisition Real Estate Division St. Louis District, US Army Corps of Engineers

EXHIBIT C -- NOTIFICATION OF REAL ESTATE ACQUISITION RISK



DEPARTMENT OF THE ARMY U.S. ARMY CORPS OF ENGINEERS, ST. LOUIS DISTRICT 1222 SPRUCE STREET ST. LOUIS. MISSOURI 63103

August 29, 2023

SUBJECT: Continuing Authorities Program, Section 205 Flood Risk Management Study City of Fenton, Missouri - Notification of Real Estate Acquisition Risk

Ms. Nikki Finkbiner, City Administrator City of Fenton, Missouri 625 New Smizer Mill Road Fenton, MO 63026

Dear Ms. Finkbiner:

The purpose of this letter is to inform the non-federal partner, the City of Fenton (herein referred to as the "Sponsor"), about the real estate requirements and the risks involved in acquiring real estate before the Project Partnership Agreement (PPA) is signed by the Sponsor.

If this project requires the acquisition of various real estate interests to support the design features, the procedures for acquiring real estate right-of-way in conjunction with Federal Programs are outlined in the Uniform Real Property Acquisition and Relocation Assistance Act, Public Law 91-646, as amended. Detailed discussions will be held with the Sponsor when final right-of-way requirements for the project are identified by the U. S. Army, Corps of Engineers, St. Louis District, Real Estate Division.

The St. Louis District is advising the Sponsor of the potential risks associated with starting an acquisition program before execution of the PPA. Generally, these risks include but are not limited to, the following:

- Congress may not appropriate funds to construct the proposed project.
- The proposed project may otherwise not be funded or approved for construction.
- A PPA mutually agreeable to the non-Federal partner and the Government may not be executed and implemented.
- The non-Federal Partner may incur liability and expense by virtue of its ownership of
 contaminated lands, or interests therein, whether such liability should arise out of
 local, state, or Federal laws or regulations including liability arising out of the
 Comprehensive Environmental Response, Compensation, and Liability ACT of 1980,
 as amended (CERCLA).

- The non-Federal Partner may acquire interests or estates that are later determined by the Government to be inappropriate, insufficient, or otherwise not required for the project.
- 6. The non-Federal Partner may initially acquire insufficient or excessive real property acreage which may result in additional negotiations and/or benefit payments under P.L. 91-646, as well as the payment of additional fair market value to affected landowners which could have been avoided by delaying acquisition until after PPA execution and the Government's notice to commence acquisition and performance of the Lands, Easements, Rights-of-Way, Relocations and Disposals (LERRDS).
- The non-Federal Partner may incur costs or expenses in connection with its decision to acquire or perform LERRDS in advance of the executed PPA and the Government's notice to proceed which may not be creditable under the provisions of Public Law 99-662 or the PPA.

We look forward to working closely with you on this important project. If you have questions regarding this information, please contact Edwin Ramos at 314-331-8180 or edwin.a.ramos@usace.army.mil.

Sincerely,

Melissa Lynn Hoerner Chief Real Estate Division Saint Louis District

Mississippi Valley Division

U.S. Army Corps of Engineers

THIS DECLARATION OF RESTRICTIVE COVENANTS is made this day of,
20, by("Declarant(s)"). RECITALS WHEREAS,
20, by("Declarant(s)"). RECITALS WHEREAS, Declarant(s) is/are the owner(s) of certain real property ("Property" which shall include wetlands,
any interest in submerged lands, uplands, associated riparian/littoral rights) located in
County, Maryland, more particularly [describe tract to be preserved, including:
I) acreage, 2) a reference to recorded plat(s), or attach an approved permit drawing or site plan,
and 3) any excluded property] and shown in Exhibit A (i.e., metes and bounds of the Property),
and Exhibit B (i.e., a scaled plat of the area subject to the Declaration), and made a part hereof
("Conservation Area"), and WHEREAS, as compensatory mitigation under Federal and State law
for Department of the Army Permit No. ("Permit") issued by the U.S. Army Corps of
Engineers, Baltimore District ("Corps" or "Baltimore District," to include any successor agency),
and certification(s) and/or permit(s) issued by the Maryland Department of the Environment
("MDE," to include any successor agency), and in recognition of the continuing benefit to the
permitted property, and for the protection of waters of the United States and scenic, resource,
environmental, and general property values, Declarant(s) has/have agreed to execute and record
this Declaration of Restrictive Covenants ("Declaration") placing certain restrictive covenants on a
Conservation Area within the Property, in order that the Conservation Area shall remain
substantially in its natural condition forever. NOW THEREFORE, Declarant(s) hereby declare(s)
that the Conservation Area, and a 25 foot buffer measured outward from the perimeter of the
Conservation Area, shall be held, transferred, conveyed, leased, occupied or otherwise disposed
of and used subject to the following restrictive covenants, which shall run with the land and be
binding in perpetuity and forever on all heirs, successors, assigns (they are included in the terms,
"Declarant," below), lessees, or other occupiers and users. 1. Covenants and Restrictions.
Neither the Declarant(s), nor any subsequent owner or owners of the Conservation Area or any
portion thereof, shall undertake or cause to be undertaken within or upon the Conservation Area,
and/or a 25 foot buffer measured outward from the perimeter of the Conservation Area, within the
Property, as described in (Recitals and/or the site plan attached), any of the following: a.
Removal, excavation, or dredging of soil, sand, gravel, minerals, organic matter, or materials of
any kind; b. Changing existing drainage characteristics, sedimentation patterns, flow patterns, or
flood retention characteristics; c. Disturbance of the water level or water table by drainage,
impoundment, or other means; d. Dumping, discharging of material, or filling with material,
including the driving of piles and placing of obstructions; e. Grading or removal of material that
would alter existing topography; f. Destruction or removal of plant life that would alter the
character of a nontidal wetland, or introduction or exotic species; g. Agricultural or forestry
activities, such as aquaculture, plowing, tillage, cropping, seeding, cultivating, and grazing and
raising of livestock, sod production, harvesting for production of food and fiber products. Forestry
activities mean planting, cultivating, thinning, harvesting, or any other activity undertaken to use
forest resources or to improve their quality or productivity; h. Use of off-road vehicles and motor
vehicles; i. Destruction or alteration of the Conservation Area EXCEPT: (i) Alteration necessary
to construct the mitigation areas and associated improvements proposed to be built by
, or its successors, and/or assigns, as approved in the mitigation plan approved by
the Permit and the certification(s) and/or permit(s) issued by MDE; (ii) Alteration necessary to
ensure the success of the mitigation areas including monitoring, reconstruction, maintenance, or
repair of the constructed mitigation areas, as approved by the Corps and MDE; (iii) Removal of
vegetation when approved by the Corps and MDE and conducted for removal of noxious or
invasive plants; j. Utilizing a non-reporting Nationwide Permit or State Programmatic General
Permit under Section 404 of the Clean Water Act or state general permits under MDE regulations
to impact any Water of the U.S. on the Property. Notification shall be required for the use of any
Nationwide Permit, State Programmatic General Permit, or Regional Permit. [if reference is
made to the Permit, or to a mitigation plan approved by the Permit, all exceptions (including
regarding buffer areas) must be specifically spelled out in the Permit or plan; also, additional,
specific, exceptions may be listed in this paragraph, e.g., fire or wildlife management plans,
1

boardwalks, etc.1, 2, Duration and Amendment, The covenants and restrictions listed herein are created pursuant to the Annotated Code of Maryland, Real Property Article § 2-118 and shall run with and bind the Property, and be binding on the Declarant(s), its/their personal representatives, heirs, successors and assigns, unless and until terminated or modified by the Corps, MDE, or other Federal, State, or County agencies which have the legal authority to enforce these covenants and restrictions by regulations, permit, or agreement. The failure of the Corps, MDE, or other such agencies to enforce the provisions of this Declaration shall not be deemed a waiver of any rights created hereunder. After recording, this Declaration may only be amended by a recorded document signed by the Corps, MDE, and Declarant(s). The recorded document, as amended, shall be consistent with the Baltimore District and MDE model conservation restrictions at the time of amendment. Amendment shall be allowed at the discretion of the Corps and MDE, in consultation with resource agencies as appropriate, and then only in exceptional circumstances. Mitigation for amendment impacts will be required pursuant to Baltimore District and MDE mitigation policy at the time of amendment. There shall be no obligation to allow an amendment. The Corps and MDE shall be provided with a 60-day advance written notice of any legal action concerning this Declaration or of any action to extinguish, void, or modify this Declaration in whole or in part. This Declaration is intended to survive foreclosure, bankruptcy, condemnation, or judgments affecting the Property. 3. Notice to Government. Any permit application, or request for certification or modification, which may affect the Conservation Area, made to any governmental entity with authority over wetlands or other waters of the United States and/or waters of the State, shall expressly reference and include a copy (with the recording stamp) of this Declaration. 4. Reserved Rights. It is expressly understood and agreed that these restrictive covenants do not grant or convey to members of the general public any rights of ownership, entry or use of the Conservation Area. These restrictive covenants are created solely for the protection of the Property, and for the consideration and values set forth above, and Declarant(s) reserve(s) the ownership of the fee simple estate and all rights appertaining thereto. including without limitation the rights to exclude others and to use the property for all purposes not inconsistent with these restrictive covenants. 5. Compliance Inspections. The Corps, MDE, and its/their authorized agents shall have the right to enter and go upon the lands of Declarant(s), to inspect the Conservation Area and take actions necessary to verify compliance with these restrictive covenants. 6. Enforcement. The Declarant(s) grant(s) to the Corps, the U.S. Department of Justice, and/or MDE, a discretionary right to enforce covenants in a judicial action against any person(s) or other entity(ies) violating or attempting to violate these restrictive covenants; provided, however, that no violation of these restrictive covenants shall result in a forfeiture or reversion of title. In any enforcement action, an enforcing agency shall be entitled to a complete restoration for any violation, as well as any other judicial remedy such as civil penalties. Nothing herein shall limit the right of the Corps to modify, suspend, or revoke the Permit, or MDE to modify, suspend, or revoke the certification(s) and/or permit(s). 7. Property Transfers. Declarant(s) shall include the following notice on all deeds, mortgages, plats, or any other legal instruments used to convey any interest in the Property and or Conservation Area (failure to comply with this paragraph does not impair the validity or enforceability of this NOTICE: This property Subject to Declaration of Restrictive Covenants Declaration): Recorded at [insert book and page references, county(ies), and date of recording]. 8. Marking of Property. The perimeter of the Conservation Area shall at all times be plainly marked by permanent signs saying, "Protected Natural Area," or by an equivalent, permanent marking system. [Generally, a surveyed, recorded plat is required; however, at the discretion of the Corps and MDE, an approved permit drawing or site plan attached to these restrictive covenants may suffice] 9. Consent of Lender and Trustee. Declarant(s) is/are the maker(s) of a note dated _____ secured by a deed of trust dated _ from the Declarant(s) to as trustees and either of whom may act, recorded in the Clerk's office in Deed воок _____at page _____, for the benefit of _____Bank (Tilde of Trust."). _____, as trustees, join herein for the sole _____at page _____, for the benefit of ____ Bank (The

purpose of subordinating the lien, dignity and priority of the Deed of Trust to these Deed
RestrictionsBank joins herein for the sole purpose of consenting to the
trustee's actions. 10. Recording. The Declarant(s) agree(s) to record this Declaration in the Land
Records of the County and provide the Corps and MDE with proof of recordation within thirty (30)
days of recordation. A plat depicting the boundaries of the Conservation Area subject to these
restrictive covenants shall be recorded in the deed records office for each county in which the
Property is situated prior to the recording of these restrictive covenants. The plat(s) is/are
recorded at [include book and page references, county(ies), and date]. 11. Separability
Provision. Should any separable part of this Declaration be held contrary to law, the remainder
shall continue in full force and effect. 12. Inaccurate or Fraudulent Information. Should an
easement, right or lease on or to the Property not shown on the survey or listed in this
Declaration and prior in time and recording to this Declaration, or unrecorded, be exercised in
such a manner that it conflicts with or voids the prohibited uses of the Property set out in this
Declaration, then the owners of the Property shall be responsible for providing alternative
compensatory mitigation in such amounts and of such service and function as the Corps and
MDE or any enforcer of this Declaration shall determine in accordance with the Clean Water Act
and/or the Maryland Nontidal Wetlands Act. 13. Eminent Domain. If the Property is taken in
whole or in part through eminent domain, the consequential value of the Conservation Area
protected by the Clean Water Act and/or the Maryland Nontidal Wetlands Act is the cost of
replacement of the conservation functions, services and values with other property in the same
watershed. IN WITNESS WHEREOF, the Declarant(s) has/have duly executed this Declaration
of Restrictive Covenants the date written above. IN THE PRESENCE OF: Declarant(s)
By: [type
name of witness under signature line] [type name of witness under signature line] [type
name of witness under signature line] Its: [type name of witness under signature line] STATE
OF MARYLAND COUNTY OF PERSONALLY appeared before me, the
undersigned witness, and made oath that he/she saw the within named
[, by, its,] sign, seal and as his/her/its act and
deed, deliver the within named Declaration of Restrictive Covenants; and the he/she with the
other witness named above witnessed the execution thereof.
[type name of witness under signature line]
SWORN to and subscribed before me Thisday of, 20 NOTARY
PUBLIC FOR My Commission Expires: IN THE PRESENCE OF:
Trustees/Bank(s) By:
[type name of witness under signature line]
[type name of witness under signature line] [type name of witness under signature line] Its: [type name of witness under signature line] STATE OF MARYLAND COUNTY OF
PERSONALLY appeared before me, the undersigned witness, and made oath
that he/she saw the within named, its, sign, seal and as his/her/its act and deed, deliver the within named Declaration of
,] sign, seal and as his/her/its act and deed, deliver the within named Declaration of
Restrictive Covenants; and that he/she with the other witness named above witnessed the
execution thereof [type name of witness under
execution thereof. [type name of witness under signature line] SWORN to and subscribed before me Thisday of, 20
NOTARY PUBLIC FOR My Commission Expires: I hereby certify this deed was prepared by or
under the supervision of, an attorney admitted to practice by the
Court of Appeals of Maryland.

DEED RESTRICTION FOR THE PENNSYLVANIA STATE PROGRAMMATIC GENERAL PERMIT-5 (PASPGP-5)

DECLARATION OF RESTRICTIVE COVENANTS FOR CONSERVATION

THIS DECLARATION OF RESTRICTIVE COVENANTS FOR CONSERVATION (hereinafter "Declaration") made this Click here to enter text. day of Click here to enter text., 20Click here to enter text., by [NAME OF GRANTING LANDOWNER] (hereinafter "Grantor");

WITNESSETH:

WHEREAS, Grantor is the fee simple owner of certain tracts of land located in Click here to enter text...

and being [USE IF APPLICABLE: a portion of] the property conveyed to the Grantor by deed recorded in deed book [insert LIBER FOLIO reference here] in the land records of Click here to enter text. County, Pennsylvania, more particularly described in Exhibit(s) attached hereto and incorporated by reference, hereinafter referred to as the "Property"; and

[**NOTE TO GRANTOR: The Grantor shall prepare and attach a legal description (i.e. metes and bounds) of the Property, and if less than the whole property, also include a separate, clearly identifiable, legal description of the Conservation Area(s), all in an exhibit identified as an Exhibit A and entitled "Conservation Area(s) Boundaries" to the Declaration. In addition, the Grantor will include an Exhibit B that shall be a scaled drawing of the area(s) subject to the Declaration, and entitled "Conservation Area(s) Boundary Map". The restricted area(s) shall be clearly labeled on the plan(s) as "Conservation Area(s)" and be clearly identified by cross-hatching and/or shading/coloring. The Grantor shall also include, on the drawing, the location and extent of all known, pre-existing easements, rights of ways, utilities, drainage ditches, stormwater facilities, cattle crossings, and structures. For each such item that involves on-going or periodic operation and maintenance, a description of all anticipated and authorized maintenance work and the work boundaries for each item shall also be included on the exhibits and attachments, if necessary, and in Section 9. RESERVED RIGHTS. If legible and clearly depicted, the legal description(s) and drawing(s) can be included on one exhibit. A copy of the PASPGP-5 authorization must be attached to the document for recordation.

WHEREAS, the Grantor agrees to the creation of these conservation-based covenants and intends the Conservation Area(s) shall be preserved and maintained in a natural condition in perpetuity;

surface or ground water, except for pre-existing or approved project-related stormwater discharges and any maintenance associated with those stormwater discharges;

- F. Non-Native Species. The planting or introduction of non-native species;
- G. Herbicides, Insecticides and Pesticides. The use of herbicides, insecticides, or pesticides, or other chemicals, except for as may be necessary to control invasive species that threaten the natural character of the Conservation Area(s). State-approved municipal application programs necessary to protect the public health and welfare are not included in this prohibition;
- H. Removal of Vegetation. The mowing, cutting, pruning, or removal of vegetation any kind; disturbance, destruction, or the collection of any trees, shrubs, or other vegetation, except for pruning, cutting or removal for:
 - safety purposes: or
 - control in accordance with accepted scientific forestry management practices for diseased or dead vegetation; or
 - 3) control of non-native species and noxious weeds; or
 - scientific or nature study;
- I. Agricultural Activities. Unless currently used for agricultural or similarly related purposes, conversion of, or expansion into, any portion of the Conservation Area(s) for use of agriculture, horticulture, aquaculture, silviculture, livestock production or grazing activities. This prohibition also includes conversion from one type of these activities to another (e.g., from agriculture to silviculture). [NOTE: THE FOLLOWING LANGUAGE SHOULD BE ADDED, AS APPROPRIATE FOR PROJECTS IN DESIGNATED BOG TURTLE COUNTIES: Corps approved management practices, including the introduction of livestock, for the purpose of maintaining bog turtle habitat, are not included in this prohibition.];
- J. Other: Other acts, uses, excavation, or discharges which adversely affect fish or wildlife habitat or the preservation of lands, waterways, or other aquatic resources within the Conservation Area(s);
- K. Recreational use of ATVs, dirt bikes, motorcycles, off-road vehicles, or motor vehicle of any kind is prohibited in the "Conservation Area(s)".
- INSPECTION, ENFORCEMENT AND ACCESS RIGHTS

The Corps, and/or the PADEP, and its/their authorized representatives shall have the right to enter and go upon the Property, to inspect the Conservation Area(s) and take actions necessary to verify compliance with this Declaration. When practicable, such entry shall be upon prior reasonable notice to the property owner. The grantor grants to the Corps, the U.S. Department of Justice, and/or the PADEP, a discretionary right to enforce this Declaration in a judicial action against any person(s) or other entity(ies) violating or attempting to violate these restrictive covenants: provided, however, that no violation of these restrictive covenants shall result in a forfeiture or reversion of title. In any enforcement action, an enforcing agency shall be entitled to a complete restoration for any violation, as well as any other judicial remedy such as civil

penalties. Nothing herein shall limit the right of the Corps to modify, suspend, or revoke the permit.

6 RECORDING AND EXECUTION BY PARTIES.

The Grantor agrees to record this Declaration in the Land Records of the county or counties where the Property is located and provide the Corps with proof of recordation prior to the start of the work authorized by the attached permit. Further, if anticipated activities in the Conservation Area(s) are agreed upon for future phases of the site, as spelled out in the "Reserved Rights", the Grantor must submit plans to the Corps and PADEP for review and approval prior to any work in the Conservation Area(s).

NOTICE OF TRANSFER OF PROPERTY INTERESTS.

No transfer of the rights of this Declaration, or of any other property interests pertaining to the Conservation Area(s) or the underlying property it occupies shall occur without thirty (30) calendar days prior written notice to the Corps and the PADEP.

8. MODIFICATIONS

The restrictions contained in this Declaration are required by the attached Department of the Army Permit or verification letter for authorized use of said permit. There shall be no changes or alterations to the provisions in this Declaration without prior written approval from the appropriate District Commander of the Corps.

RESERVED RIGHTS

A. The Grantor and any holders of easements or other property rights for the operation and maintenance of pre-existing or project-related structures or infrastructure such as roads, utilities, drainage ditches, or stormwater facilities that are present on, over or under the Conservation Area(s) reserve the right, within the terms and conditions of their permits, their agreements, and the law, to continue with such operation and maintenance. All pre-existing or approved projectrelated structures or infrastructure shall be shown on the accompanying plat map or approved plan and attached to this instrument.

If the authorized project requires any related or unanticipated infrastructure modifications, utility relocation, drainage ditches, or stormwater controls within the identified Conservation Area(s), or if situations require measures to remove threats to life or property within the identified Conservation Area(s), said activities must be approved in writing by the Corps subject to terms and conditions set forth in the written approval. Approval is subject to the Corps' sole discretion. If approved, said activities must be identified on amended Exhibits A and B and must be recorded and specifically noted as an "amendment" and copies of the recorded amended Exhibits must be provided to the Corps and PADEP within 60 days of Corps approval. Approval of said activity by the Corps is in addition to any Clean Water Act, Section 404 permit, or other authorization, which may be required in order to legally implement said activity. The Grantor accepts the obligation to place any other responsible party on reasonable prior notice of their need to request such Corps approval.

10. SEVERABILITY

If any portion of this Declaration, or the application thereof to any person or circumstance, is found to be invalid, the remainder of the provisions of this instrument, or application of such provision to persons or circumstances other that those as to which it is found to be invalid, as the case may be, shall not be affected thereby.

[THE FOLLOWING TWO SECTIONS (11. MITIGATION AND 12. CONSENT OF LENDER AND TRUSTEE) SHOULD BE INCLUDED ONLY WHEN APPLICABLE.]

11. MITIGATION

If the work required by a mitigation plan, including maintenance or remedial work, under the Department of Army permit for the authorized project occurs within the Conservation Area(s), then the Grantor is allowed to construct the mitigation work in accordance with the authorized mitigation plan, a copy of which is incorporated by reference.]

[IF GRANTOR HAS A MORTGAGE OR OTHER LEGAL ENCUMBRANCE ON THE PROPERTY, THE DECLARATION MUST INCLUDE A COMPLETED VERSION OF THE FOLLOWING:]

12. CONCENT OF ELINDERVAND TROOTEE	
Grantor is the maker of a note dated	secured by a deed of trust dated
from the Grantor to	as trustees and either of
whom may act, recorded in the Clerk's office in [Deed Book at page
, for the benefit of	Bank (The "Deed of Trust.").
, as tru	stees, join herein for the sole purpose of
subordinating the lien, dignity and priority of the	Deed of Trust to this Declaration.
	n for the sole purpose of consenting to the
trustee's actions.	
IN WITNESS WHEREOF said GRANTOR has e and year first above written.	
	[COMPANY OR GOVERNMENT ENTITY NAME OF GRANTOR, IF APPLICABLE] (Please print)
	BY:

COMMONWEALTH OF PENNSYLVANIA:

12 CONSENT OF LENDER AND TRUSTEE

: SS

COUNTY OF Click here to enter text .:

:

Declaration of Trust/ Restrictive Covenants HUD-52190

U.S. Department of Housing and Urban Development Office of Public and Indian Housing

OMB Approval No. 2577-0075 (exp. 01/31/2021)

Public reporting burden for this collection of information is estimated to average 1 hour per response. HUD may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB control number. HUD will use this information to ensure that PHAs remain seized of the title of public housing projects and other public housing real property and refrain from transferring, conveying, assigning, leasing, mortgaging, pledging, or otherwise encumbering or permitting or suffering any transfer, conveyance, assignment, lease, mortgage, pledge or other encumbrance of said property or any part thereof, appurtenances thereto, or any rent, revenues, income, or receipts therefrom or in connection therewith, or any of the benefits or contributions granted to it by or pursuant to the ACC. The information requested does not lend itself to confidentiality.

This document may not be changed without HUD's prior written approval.

DECLARATION OF TRUST/RESTRICTIVE COVENANTS

THIS DECLARATION OF TRUST/RESTRICTIVE COVENANTS (the "Declaration") is made
and entered into as of this[1] day of[1], 20[1] by and between[2
the "Authority"), a public body corporate and politic, organized and existing under the
laws of, and if under a Mixed Finance Amendment to the Annual
Contributions Contract, then also [4] (the "Owner"), a
[5] , for the benefit of the United States of America, acting by and through the Secretary of Housing and Urban Development ("HUD").
through the Secretary of Housing and Urban Development ("HUD").
NOTE: OPTION TO USE FOR ALL PUBLIC HOUSING OR MIXED FINANCE PUBLIC HOUSING
FILL IN PHA OR OWNER ENTITY
WHEREAS, pursuant to the U.S. Housing Act of 1937, as amended, and any successor legislation (the "Act") the Authority and HUD have entered into a Consolidated Annual Contributions Contract ("ACC") number:
NOTE: COMPLETE ONE OF THE FOLLOWING GROUPS OF PARAGRAPHS: DEVELOPMENT MODERNIZATION OR MIXED FINANCE (STANDARD OR OPERATING FUNDS ONLY) For Public Housing Development Declaration of Trust (complete these two paragraphs):
WHEREAS, as of the date of execution of this Declaration, the Capital Fund Grant ACC Amendment
and ACC cover the low-income housing project located at[8], in the City
of [9] , County of [10] in the State/Commonwealth of [11]
(which, together with any fixtures, rents, revenues, other income, and personalty related to such units and appurtenances shall hereafter collectively be referred to as the "Project") which will provide
Fund grant provided by HUD;

Previous version obsolete Page 1 of 9 form HUD-52190 (04/2018)

For Public Housing Modernization Declaration of Trust (complete these two paragraphs):
WHEREAS, as of the date of execution of this Declaration, the Capital Fund Grant ACC Amendment
and the ACC cover a certain individual low-income housing project located at [8], in the City of [9], County of [10], in the
[8], in the City of[9], County of[10] in the State/Commonwealth of[11] (which, together with any fixtures, rents, revenues, other income, and personalty related to such units and appurtenances shall hereafter collectively be referred to as the
"Project") which will provide[12] dwelling units and necessary associated appurtenances; and
WHEREAS, the modernization of the Project will have been assisted with a Capital Fund grant provided by HUD.
For Mixed Finance Declarations of Restrictive Covenants (standard) (complete these two paragraphs):
WHEREAS, as of the date of execution of this Declaration, HUD and the Authority have entered into a
certain Mixed Finance Amendment, Amendment No[13]to the ACC ("Mixed Finance ACC
Amendment"), adding the[12]public housing units and any necessary associated appurtenances to the
ACC under project number [15] located at [8] in the City of
[9] , County of [10] , in the State/Commonwealth of [11]
(which, together with any fixtures, rents, revenues, other income, and personalty related to such units and appurtenances shall hereafter collectively be referred to as the "Project").
WHEREAS, the Authority and the Owner have entered into a Regulatory and Operating Agreement, and other Agreements, whereby the Authority has agreed to provide the Owner with assistance obtained under the Mixed Finance ACC Amendment to pay a portion of the development costs of the Project, and with Operating Fund assistance to assist in operating and maintaining the low income character of the public housing units in the Project;
For Mixed Finance Declarations of Restrictive Covenants (Operating Funds only) (complete these two paragraphs)
WHEREAS, as of the date of execution of this Declaration, HUD and the Authority have entered into a
certain Mixed Finance Amendment to Consolidated Annual Contributions Contract for Projects Receiving Only
Public Housing Operating Fund Assistance, Amendment No. [13] to the ACC ("Mixed Finance ACC"
Amendment"), adding the 141 public housing units and any associated appurtenances to the ACC under
project number [14] located at [8] in the City of [9]. County of [10] in the State of [11] (which, together with any fixtures, rents, revenues,
other income, and personalty related to such units and appurtenances shall hereafter collectively be referred to
as the "Project").
WHEREAS, the Authority and the Owner have entered into a Regulatory and Operating Agreement, and

WHEREAS, the Authority and the Owner have entered into a Regulatory and Operating Agreement, and other Agreements, whereby the Authority has agreed to provide the Owner with Public Housing Operating Fund assistance derived under the Act to assist in operating and maintaining the low income character of the public housing units in the Project;

For Mixed Finance Declarations of Restrictive Covenants (standard and Operating Funds only) (complete these paragraph two paragraphs):

WHEREAS, in return for the receipt of such assistance, the Owner has agreed to develop, operate and maintain the Project in accordance with all requirements applicable to public housing, including, without limitation, the Act, HUD regulations thereunder (and, to the extent applicable, any HUD-approved waivers of regulatory requirements), the ACC, the Mixed Finance ACC Amendment, the HOPE VI Grant Agreement (if

applicable), this Declaration, and all pertinent Federal statutory, executive order, and regulatory requirements, as those requirements may be amended from time to time (all such requirements hereafter collectively referred to as the "Applicable Public Housing Requirements");

WHEREAS, as of the date of o	execution of this Declaration,	title to the Project is held by	[17A, 17B]

For Public Housing Development, Public Housing Modernization and Mixed Finance Development and Mixed Finance Operating Funds Only Projects (all of these paragraphs apply):

NOW, THEREFORE, to assure HUD of the performance by the Authority and the Owner (in the case of Mixed Finance Development or Mixed Finance Operating Funds Only), and any successors in interest to the Authority and Owner, of the Applicable Public Housing Requirements in connection with the development, operation and maintenance of the Project for the term of the low income use restrictions, the parties hereby acknowledge and agree:

The [17A AND B] does hereby acknowledge and declare that it is possessed of and
holds title to the Project consisting of the real property located at
[8]situated in the City of, County of, County of
, in the State/Commonwealth of[11], as more fully described in Exhibit A to
this Declaration, and which is made a part hereof;
1

- The [17A AND B] does hereby acknowledge and declare that it is possessed of and holds title to the Project in trust for the benefit of HUD, for the purposes hereinafter stated;
- 3. [18]
- 4. The Owner (if Mixed Finance Development or Mixed Finance Operating Funds Only) and Authority (in all cases) hereby declare and acknowledge that during the existence of the trust hereby created, the restrictive covenants set forth in this Declaration shall be, and are, covenants running with the Project for the period of the low-income use restrictions, and are binding upon the Owner (if Mixed Finance Development or Mixed Finance Operating Funds Only) and the Authority (in all cases), and their successors and assigns, for such term;
- 5. The Authority shall, or in the case of Mixed Finance Development or Mixed Finance Operating Funds only, cause the Owner to, develop, modernize or operate the Project in compliance with the Applicable Public Housing Requirements, and shall thereafter operate and maintain the Project in compliance with the Applicable Public Housing Requirements for the following periods:
 - (i) In the case of Public Housing Development or Mixed Finance Development (standard), for a 40-year period (for development work) and such 40-year period shall be extended for 10 years after the end of the last PHA fiscal year for which Operating Fund assistance is provided by the Authority on behalf of the Project, or as may be otherwise required by law or amended by law;
 - (ii) In the case of the use of Capital Funds for Public Housing Modernization or Modernization occurring after Mixed Finance Development (standard) or Mixed Finance Operating Funds Only), for a 20-year period that begins on the date on which the modernization is completed, or for such other period as may be required by law or amended by law and such 20-year period shall be extended for 10 years after the end of the last PHA fiscal year for which Operating Fund assistance is provided by the Authority on behalf of the Project, or as may be otherwise required by law or amended by law;

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- (iii) In the case of Operating Fund only Projects, for a 10-year period expiring upon the conclusion of the fiscal year for which Operating Fund assistance is last provided by the Authority for the benefit of the Project Units, or as may be otherwise required by law or amended by law; or
- 6. In the case of Mixed Finance Operating Funds Only Projects, the Owner shall not, without the prior written approval of HUD or as may otherwise be authorized by law, dispose of the Project during and for 10 years after the end of the last PHA fiscal year in which the Project receives Operating Fund assistance from the Authority. The Authority may seek, pursuant to section 18 of the Act, an early termination of the 10-year prohibition on disposition and the low income use restrictions in the event of reduced appropriations of operating subsidies to the Authority under section 9(e) of the Act. In such case, HUD may approve in writing the disposition of the Project from the public housing program if it determines such action to be in the best interests of the Project residents and the Authority, and is otherwise consistent with the Act.
- 7. The Authority, or in the case of Mixed Finance Development or Mixed Finance Operating Funds Only, the Owner, shall remain seized of title to the Project and shall refrain from transferring, conveying, assigning, leasing, mortgaging, pledging, or otherwise encumbering or permitting or suffering any transfer of any kind of the Project, or any part thereof, or any rent, revenues, income, or receipts of the Project in connection therewith, or any of the benefits or contributions granted to it by or pursuant to the ACC, as amended, or any interest in any of the same, except to the extent approved in writing by HUD, as otherwise authorized by the ACC, as amended, or as authorized below:
 - A. Deeds of trust and financing arrangements approved in writing by HUD under the terms of the Mixed Finance ACC Amendment, and transfer of the Project to the beneficiary under any such approved loans, by foreclosure or deed-in-lieu of foreclosure, or to a third-party purchaser at a foreclosure sale, provided that any such transfer shall be subject to the terms of this Declaration;
 - Dwelling leases with eligible families and lease of other spaces and facilities in the Project;
 - C. Conveyance or otherwise dispose of any real or personal property which is determined and approved by HUD to be excess to the needs of the Project;
 - D. Dedication of land for use as streets, alleys, or other public rights-of-way, and grants and easements for the establishment, operation, and maintenance of public utilities; and
 - E. Normal uses associated with the operation of the Project, to the extent authorized by the ACC
- 8. (A) No transfer, conveyance, or assignment or release of this Declaration shall be made without the prior written approval of HUD including as well: (i) any interest of a managing member, general partner, or controlling stockholder (any such interest being referred to as a "Controlling Interest") of the Owner; or (ii) a Controlling Interest in any entity which has a Controlling Interest in the Owner; or (iii) prior to the payment in full of all equity

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contributions described in the approved evidentiary documents listed in the Mixed Finance ACC Amendment, any other interest in the Owner, or in any partner or member thereof.

- (B) Notwithstanding the foregoing, HUD consent is not required where a business organization that has a limited interest (non-controlling and non-managing) in the Owner transfers a non-controlling and non-managing interest in the business organization as long as the Owner: (i) provides HUD with written notice of such transfer; and (ii) certifies to HUD that the new owner of the limited interest remains obligated to fund its equity contribution in accordance with the terms of the HUD-approved organizational documents of the Owner.
- (C) HUD will not unreasonably withhold, delay, or condition a request by the Owner for HUD's consent to an internal reorganization of the corporate or partnership structure of the Owner or any of the partners, members or stockholders of the Owner.
- This Declaration shall first be approved by HUD and then be recorded at the expense of the Authority or the Owner (in the case of Mixed Finance Development (standard) or Mixed Finance Operating Funds Only) in the local land records of the Project and a recorded copy shall be provided to HUD.
- This Declaration shall not be amended, modified or released without the prior written consent of HUD.
- 11. Upon expiration of the period during which the Project is required to be operated and maintained as public housing in accordance with the Applicable Public Housing Requirements, or otherwise upon HUD's approval to release this Declaration, HUD will execute a release of this Declaration by an instrument to be recorded in the appropriate land records (the "Release"). The Release shall be prepared by the Authority or the Owner (in the case of Mixed Finance Development or Mixed Finance Operating Funds Only) and recorded at the expense of Authority or Owner (in the case of Mixed Finance Development or Mixed Finance Operating Funds Only) and a copy provided to HUD.

[SIGNATURES APPEAR ON THE FOLLOWING PAGE]

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IN WITNESS WHEREOF, the Authority and the Owner (in the case of Mixed Finance Development or Mixed Finance Operating Funds Only) have caused this Declaration to be executed by their duly authorized officers for proper recording in the public records.

Hous	[2] sing Authority	
By: Name: Title:	[19] [19] [19]	
Owner	[4]	
By <u>:</u> Name: Title:	[20] [20] [20]	

Exhibit A

Legal Description of Project

MUST INSERT METES AND BOUNDS DESCRIPTION

IF AVAILABLE, ALSO INCLUDE STREET NAME AND NUMBER AFTER THE MÊTES AND BOUNDS DESCRIPTION

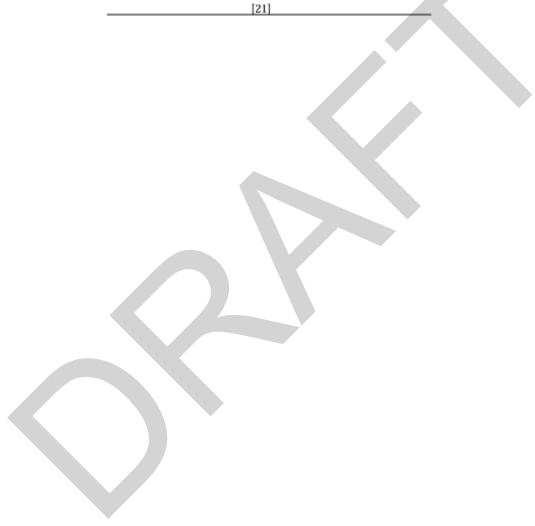


EXHIBIT E -- SAMPLE FLOODPROOFING AGREEMENT

Contract No.	
FLOODPROOFING AGREEMENT	>
TRACT NO.	
NONSTRUCTURAL	
FLOOD CONTROL PROJECT	

whereas, pursuant to Públic Law

, of the Energy and Water Development Appropriation

Act,), as amended, and pursuant to the provisions of the

Project Cooperation Agreement (hereinafter referred to as the

"PCA") dated , between the United States of America

(hereinafter sometimes referred to as the "Government") and the

(hereinafter sometimes referred to as

the """), the Government and the have undertaken the

implementation of the Nonstructural Flood Control

Project (hereinafter sometimes referred to as the "Project");

WHEREAS, implementation of the Project includes, inter alia, the floodproofing of certain structures so that the habitable floors thereof are raised to levels or protected by other means in such a manner which will protect the structures from certain flooding to the greatest extent practicable by allowing the free

movement of floodwater beneath and around the structures;

WHEREAS, pursuant to the Memorandum of Agreement between the Government and the , dated , and pursuant to the PCA, the Government has undertaken acquisitions of interests in land and performance of relocations necessary for implementation of the Project for and on behalf of the ;

whereas, single, (hereinafter sometimes referred to as the "Owner") is the Owner of a certain parcel of land identified by the Government as Tract No.

part of the same land identified as Tract No.

No. ract No. Three,

his wif

recorded

and being fu ed in the attac d

A", which is incorporated by reference herein as if set out in full;

and becoming solely vested in the Owner by virtue of:



on which is located the residence of the said Owner, consisting of a one story frame structure, founded on masonry foundation walls, which existing structure shall be demolished, removed and replaced with a new structure which shall be floodproofed in accordance with this agreement;

WHEREAS, it is the desire of the Owner to participate in and receive the benefits of the Project;

NOW, THEREFORE, THIS AGREEMENT AND GRANT made and entered into by and between , single(Owner) and the UNITED STATES OF AMERICA, acting for and on behalf of the as aforesaid;

WITNESSETH, that for and in consideration of the premises and the mutual agreements and covenants hereinafter set forth;

1. The Government, herein represented by the Chief, Real Estate Division, , U.S. Army Corps of Engineers, hereby agrees to pay reasonable and legitimate expenses involved in floodproofing said structure as hereinbefore stated, not to exceed \$, subject to the availability of funds and to the submission by the Owner of appropriate expense documentation as may be required by the Government. The Owner shall permit an

inspection or inspections of the floodproofing work by the Government, its contractors, assigns or representatives upon completion of the work, and/or at any time during the work's progress, to ensure that the work is acceptable to the Government and has been satisfactorily performed to meet the Project's criteria as to design, construction, and protection prior to payment. Provided, further, that all floodproofing work must be done within 90 days of the date this agreement is accepted by the United States, and further, that such work shall be performed by a licensed contractor, selected by the Owner to do the work in accordance with Guide Plans and Specifications and estimates previously approved by the Government and any modifications thereto subsequently approved by the Government. Provided, further, that the floodproofed structure shall not be located within the regulatory floodway. Provided, further, that the payment herein provided shall be made by Government issued check payable to the Owner and said contractor jointly. Provided, further, that, should the Owner incur any cost in excess of said amount, that cost shall be borne by the Owner unless such additional amount is expressly approved in writing by the Government as necessary for the purposes of flood damage reduction;

2. The Owner hereby agrees that the Owner's written agreement(s) with the contractor performing the floodproofing work on said

structure shall include the following provisions:

- (a) "The Contractor agrees to keep separate individual cost accounting records detailing both direct and indirect costs in connection with the floodproofing work. The Contractor also agrees to make such records available to the U.S. Army Corps of Engineers or other representatives of the United States of America upon demand so that contract costs may be evaluated. The cost evaluation will be performed using generally accepted accounting standards and auditing policies and criteria."
- (b) "The Contractor agrees that all floodproofing work will be accomplished in accordance with the Guide Plans and Specifications previously approved by the Government and any modifications thereto subsequently approved by the Government before payment is made to the contractor";
- 3. The Owner hereby agrees that the Owner shall not convey to any third party any interest in and to said land and the structures or create any liens thereon prior to completion of said floodproofing work and recordation of this Agreement by the Government in the land records of _________, without the prior written approval of the Government;

- 4. The Owner hereby acknowledges that the amount set forth in 1. above is based upon a proposal obtained by the Owner from , Contractor; that it is the Owner's desire that , Contractor, perform the work necessary in connection herewith; that the Government has made no warranties or guarantees whatsoever in connection with the Contractor or with the Contractor's ability to satisfactorily perform the work; and, that, as between the Government and the Owner, the Owner is solely responsible to arrange for the Contractor's satisfactory completion of the work in accordance herewith;
- 6. The Owner, for herself and her heirs and assigns, hereby covenants and warrants to

assigns forever, and agrees, that no construction, alteration, or placement of structures of any kind or nature whatsoever on said land shall take place unless the lowest floor thereof to be used for human habitation, commercial or business purposes is elevated above feet mean sea level, the level of the flood, and that this restriction shall be specifically included in every instrument subsequent hereto conveying title to any interest in said land or structures thereon;

- 7. The Owner, for herself and her heirs and assigns, hereby covenants, warrants, and agrees that she will forever hold and save harmless and blameless the Government and

 , and its assigns, from any damages or injuries resulting either directly or indirectly from any floodproofing work and any flooding of said land or of the floodproofed structure;
- 8. The Owner, for herself and her heirs and assigns, recognizes and agrees that the grant hereby made to

 , and the covenants and restrictions herein, in connection with the Nonstructural Flood Control Project, are necessary and appropriate to ensure the purposes of said Project, namely, as authorized by of the Water Resources and Development Act of , as amended, to afford a level of protection against flooding at least sufficient to

prevent any future losses from the likelihood of flooding as occurred in or the 100-year frequency event, whichever is greater, and, that for those purposes the , and its assigns, shall forever have the right unchallenged by the Owner, and by the Owner's heirs and assigns, to seek legal enforcement of all of the provisions contained herein, it being the intentions of the parties that said provisions shall attach to and run with the land forever;

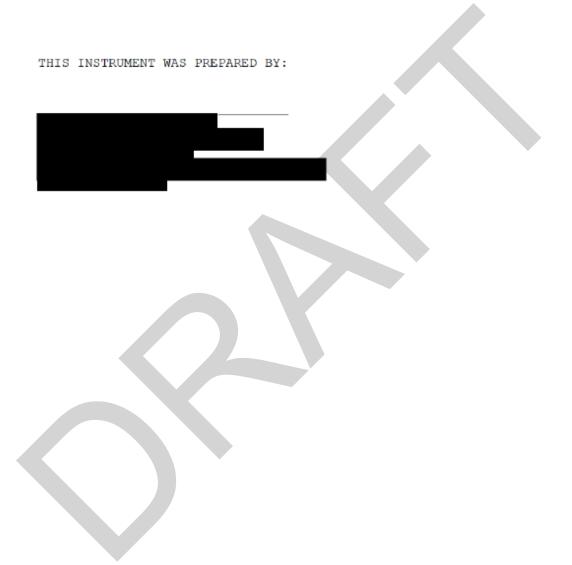
- 9. It is further provided that the obligations of the Government herein are contingent upon the Owner obtaining, as may be acceptable to the Government, the consent of any lienholder or tenants to the terms of this Agreement and obtaining from any lienholder or tenants waivers, releases, and/or subordinations of their rights in the premises to the extent necessary to accomplish the work and covenants and restrictions herein, as may be required by the Government; and
- 10. The Owner, for herself and her heirs and assigns, hereby agrees that the entitlement to receive payment from the Government for the reasonable and legitimate expenses involved in floodproofing said structure is not assignable and shall not be assigned. Further, the Owner, for herself and her heirs and assigns, hereby agrees that any attempt or agreement by the Owner

to assign the entitlement to the payment shall, at the sole option of the Government, void this agreement.

IN WITNESS WHEREOF, the parties have executed this Agreement and Deed effective as of the date of acceptance hereof by the United States of America.

, Owner	
ACCEPTED:	
UNITED STATES OF AMERICA	
By:	
Chief, Real Estate Division DATE	
Siliti, Medi Issilet Biritatan	
ACKNOWLEDGEMENT	
STATE OF	
COUNTY OF	
The foregoing instrum w day of,	this, single.
	,

(Seal)		
	NOTARY PUBLIC	
My Commission Expires:		
	ACKNOWLEDGEMENT	
STATE OF		
COUNTY OF		
On this day appeared		ly e
IN WITNESS WHEREOF	, I hereunto set my hand and official sea	1.
(Seal)		
	NOTARY PUBLIC	
My Commission Expires:		
NO STATEMENT OF CONSI		
CONVEYS A RIGHT-OF-WAY 382.135(2)(c).	TO . SEE K	KS





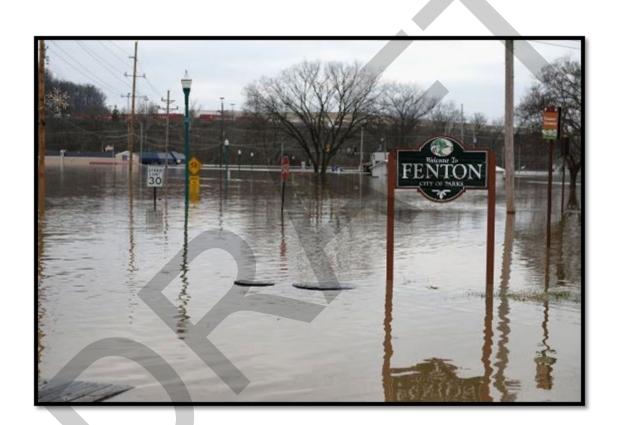
CAP Section 205 Flood Risk Management Study City of Fenton, Missouri Appendix D – Hazardous, Toxic, and Radioactive Waste

December 2023



ENVIRONMENTAL SITE ASSESSMENT REPORT CAP Section 205 Flood Risk Management Study

City of Fenton, Missouri St. Louis County, Missouri December 5, 2023



PREPARED FOR:

United States Army Corps of Engineers St. Louis District 1222 Spruce St St. Louis, Missouri 63103 **Page Left Intentionally Blank**

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2. ABBREVIATIONS

ABV	Description
AST	Above Ground Storage Tank
ATSM	American Society for Testing and Materials
CERCLIS	Comprehensive Environmental Response, Compensation and Liability Information System
DOD	Department of Defense
EDR	Environmental Data Resources
EMF	Electromotive force
ES	Enforcement Standard
EPA	Environmental Protection Agency
ERNS	Emergency Response Notification System
ESA	Environmental Site Assessment
FEMA	Federal Emergency Management Agency
FRDS	Federal Reporting Data System
HTRW	Hazardous Toxic Radioactive Waste
IEMA	Illinois Emergency Management Agency
LLC	Limited Liability Company
MDL	Method Detection Limit
NPDES	National Pollutant Discharge Elimination System
NPL	National Priority List
NWI	National Wetlands Inventory
PAL	Preventative Action Limit
PCB	Polychlorinated Biphenyl
PQL	Practical Quantitation Limit
RCL	Residual Contaminant Levels
REC	Recognized Environmental Condition
SEMS	Superfund Enterprise Management System
SSURGO	Soil Survey Geographic Database
UIC	Underground Injection Control
USACE	United States Army Corps of Engineers
USDA	United States Department of Agriculture
USGS	United States Geological Survey
UST	Underground Storage Tank

3. ACKNOWLEDGEMENTS AND QUALIFICATIONS

Project Information:	CAP Section 205, City of Fenton, Missouri
Site Information:	Flood Risk Management
County:	St. Louis County
Latitude, Longitude:	38°30'43.83"N, 91°26'41.44"W
Site Assessor:	Michael D. Skrabacz Environmental Specialist
Environmental Professional Qua	alification:
I declare that, to the best of my Professional as defined in 40 CI	professional knowledge and belief, I meet the definition of Environmenta FR 312.10.
nature, history, and setting of th	s based on education, training, and experience to assess a property of the e subject property. I have developed and performed the all appropriate he standards and practices set forth in 40 CFR Part 312.
Kevin P. Slattery	
Chief, Environmental Quality &	HTRW Section

4. EXECUTIVE SUMMARY

The U.S. Army Corps of Engineers regulations (ER-1165-2-132, ER 200-2-3) and Division policy requires procedures be established to facilitate early identification and appropriate consideration of potential Hazardous Toxic Radioactive Waste (HTRW) in reconnaissance, feasibility, preconstruction engineering and design, land acquisition, construction, operations and maintenance, repairs, replacement, and rehabilitation phases of water resources studies or projects by conducting a Phase I Environmental Site Assessment (ESA). USACE specifies that these assessments follow the process/standard practices for conducting Phase I ESA's published by the American Society for Testing and Materials (ASTM) 1527-21.

The purpose of a Phase I ESA is to identify the range of contaminants (i.e. Recognized Environmental Conditions, RECs) within the scope of the U.S. Environmental Protection Agency's (EPA) Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), and petroleum products to the extent feasible in the absence of sampling and analysis. Current policy is to avoid known HTRW and to the extent practicable or until hazard risks and potential liability are mitigated.

A Phase I ESA was performed for the City of Fenton under the Continuing Authorities Program (CAP) section 205 of the 1948 Flood Control Act. A total of 14 locations were examined for the potential purpose of implementing flood control measures. Due to the impracticality of gaining a Right of Entry (ROE) to each of the 14 locations, this is a modified ESA that was conducted in conformance of the scope and limitations set forth by ASTM 1527-21 and E2247-16. The scope of this Phase 1 consists of four components: (1) records review, (2) site reconnaissance, (3) historical data review, and (4) a final report.

Based on the information available for this assessment, it was concluded that this area contains no RECs that would have a major impact to the project's cost and schedule. A Phase II ESA is not recommended at this time.

5. GENERAL PROJECT AND SITE INFORMATION

5.1 Background

The purpose of this ESA is to evaluate the current and historical conditions of the subject property to identify Recognized Environmental Conditions (RECs) in connection with the subject property and surrounding operations. Recognized Environmental Conditions are defined as the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not RECs.

5.2 Site Description

The entire study area for this CAP is displayed in figure 1. Potential non-structural flood control measures were selected for a total of 14 sites per the Tentatively Selected Plan (TSP).

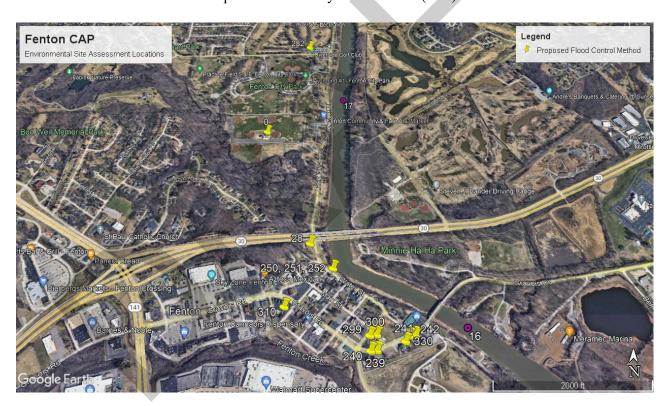


Figure 1: City of Fenton CAP 205 Total Study Area



Figure 2: City of Fenton CAP 205 Environmental Assessment Area (Gravois Rd)



Figure 3: City of Fenton CAP 205 Environmental Assessment Area (Water and Ferry St)



Figure 4: City of Fenton CAP 205 Environmental Assessment Area (structure 0, Fenton Athletic Association)



Figure 5: City of Fenton CAP 205 Environmental Assessment Area (structure 282, Riverside Golf Club)

5.3 Project Description

The City of Fenton has recently experienced several large flood events which have resulted in substantial economic damages and social disruption. A Tentatively Selected Plan (TSP) has been developed with an objective of reducing life safety risks due to flooding. This includes inundation of emergency corridors and critical infrastructure; reduction in economic damage due to flooding; and potential for increased recreation opportunities related to flood risk reduction measures.

Physical Site Description

The assessment area consists of a total of 14 properties with various types of land use. The environmental assessment area includes commercial strip centers, auto repair/sale centers, and retail trade centers.

Structure	Location	Land Use	Present Occupant
28	679 Larkin Williams Rd.	Commercial	Pfitzinger Graphics
239	62 Gravois Rd.	Retail Trade	Hely Heating and Cooling
240	64 Gravois Rd.	Retail Trade	Brannan's Marine
330	36 Gravois Rd.	Misc. Commercial Services	Unknown
242	18 Gravois Rd.	Auto Repair	United Glass
250	412 Water St.	Retail Trade	Fenton Feed Mill
251	412 Water St.	Retail Trade	Fenton Feed Mill
252	412 Water St.	Retail Trade	Fenton Feed Mill
299	65 Gravois Rd.	Auto Sales	Riverside Motors
310	221 Ferry St.	Strip Commercial Center	Vacant
300	53 Gravois Rd.	Retail Trade	Riverside Motors
241	42 Gravois Rd	Restaurant Building	Joe Clarks Restaurant
282	1210 Larkin Williams Rd.	Commercial Building	Riverside Golf Course
0	945 Larkin Williams Rd.	City-Owned	Fenton Athletic Association

6. SCOPE OF SERVICES

6.2 Records Review

Table 1 provides a list of records reviewed by the Environmental Professional to assist in the identification of potential REC's in connection with this project. In addition, a full Environmental Data Report was obtained and reviewed (appendix C). These records assist in meeting the requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), and the ASTM Standard Practice for Environmental Site Assessments (E 1527-21).

Environmental Record Resources	Date of Request	Search Distance miles (kilometers)
Federal National Priorities List (NPL)	10 OCT 2023	1.0 (1.6)
Environmental Protection Agency Enviromapper	10 OCT 2023	1.0 (1.6)
EPA RCRA Institutional and Engineering Controls Data	10 OCT 2023	1.0 (1.6)
National Pipeline Mapping System	12 OCT 2023	1.0 (1.6)
USCG National Response Center (NRC, 10 years)	12 OCT 2023	1.0 (1.6)
Missouri Department of Natural Resources E-Start	28 NOV 2023	1.0 (1.6)
Missouri Environmental Emergency Response Tracking System (MEERTS)	28 NOV 2023	1.0 (1.6)
Missouri Environmental Logging Index (MERLIN)	28 NOV 2023	1.0 (1.6)
Missouri Underground Storage Tanks Database	13 OCT 2023	1.0 (1.6)

6.3 Site Reconnaissance

A physical site visit was performed on November 3, 2023 by Environmental Specialists Michael Skrabacz and Rick Archeski of CEMVS-EC-EQ. The site visit inspected the project area footprint and adjoining properties on foot. Following the addition of three additional locations (structures 241, 300, and 0) another site visit was conducted on November 29, 2023 by Environmental Specialists Michael Skrabacz of CEMVS-EC-EQ. Photo documentation for the site visit can be reviewed in appendix A.

6.3.1 Aerial Imagery

Current and historical aerial imagery and topographic maps were thoroughly reviewed to characterize environmental conditions of the project area (appendix B).

6.4 Interviews

Interviews were conducted in order to obtain information of any environmental concerns in connection with this site. The content of the questions asked follow the questionnaire format of ASTM 1527-21.

Fenton Fire District was contacted via email on November 6, 2023, no response was received.

The Missouri Department of Natural Resources was contacted on November 17, 2023. Jeff Kuttenkuler of the Hazardous Waste Program/Tanks Section was interviewed by phone (573-751-6722). The interview specifically targeted the gasoline tanks and the bulk oil tanks shown in the 1950 Sanborn map located on 10 Gravois Rd. These tanks were not shown on the 1966 maps. Mr. Kuttenkuler does not have any records of these tanks being decommissioned as this would have occurred before these records were

mandated to be maintained. There is no way of knowing when or if these tanks were properly removed. This property sits directly to the east of structures 241, 242 and 330.

There are multiple transformers that are located on or adjacent to several of these properties. Ameren was contacted to inquire about the possibility of any of these transformers containing PCB's. The Ameren representative stated that it is safe to assume that none of the transformers contain PCB's. This was based on all installation dates being after 1983. Subject properties that have transformers on or adjacent to the property include:

Structure	Property Address	# Transformers
28	679 Larkin Williams Rd.	1
240	64 Gravois Rd.	1
252	412 Water St.	1
0	945 Larkin Williams Rd.	3

Mr. Robert Wolfner of Riverside Golf Course (structure 282) was contacted via phone on October 25, 2023. Mr. Wolfner was sent a questionnaire via email but failed to complete and return the questionnaire. Email correspondence with Mr. Wolfner can be found in appendix E.

No additional interviews were conducted with property owners per the project mangers request.

6.5 Summary of Findings

6.5.1 Recognized Environmental Conditions

Each property was evaluated in order to identify the presence or likely presence of any hazardous substances or petroleum products in, on, or at any of the 14 properties: (1) due to 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.

No REC's were found during this assessment.

6.5.2 Potential Recognized Environmental Conditions

42/18/36 Gravois Rd. Fenton MO 63026 (structures 241, 242 and 330).
 Structures 241, 242 and 330 are located next to Fenton Transmissions at 10 Gravois Rd. A historical Sanborn Map from 1950 (appendix C) displays Bush Service Station (located at 10 Gravois Rd.) having 3 AST's for storing bulk oil products and 3 gasoline tanks. The 1966 Sanborn map does not display these tanks. No records were found indicating the underground gasoline tanks were removed.

This is a potential REC. It is unknown if these tanks still exist or were properly decommissioned. No site observations indicate the presence of a leaking underground storage tank or petroleum product discharge in this area.

2. 1210 Larkin Williams Rd. Fenton MO 63026 (structure 282, Riverside Golf Course). 1,000 Gallon Gasoline (including blends) UST Removal

A petroleum or hazardous substance storage tank closure or regulated release was addressed prior to the adoption of the 2004 Missouri Risk-Based Corrective Action Guidance for Petroleum Storage Tanks. An evaluation found that no further action was warranted based on the tank closure or corrective action process in use at the time. This UST was located on the NW corner of the maintenance building (structure 282) according to the property owner. A "No Further Action" letter was issued by MDNR on December 4, 2001.

The Environmental Data Report indicated a report of petroleum contamination at this address on December 6, 2002. The report indicated a construction crew was installing a culvert in a ditch near the golf club when a black, petroleum-like liquid was encountered. The crew traced the substance to the golf club. The Fenton Fire department responded and suggested MDNR be notified. The Environmental Data Report indicates the cause was undetermined. No additional information on this incident could be located and it is unknown exactly where this incident occurred on the property. The Environmental Data Report indicated another incident on January 6, 2006. The caller reported a petroleum material seeping from the ground causing a sheen on a lake located on the golf course. There are 3 lakes on the golf course, one 280 yards to the northwest of structure 282, one 250 yards north of structure 282 and another 900 yards north of structure 282. The report noted that the golf course is next to a large industrial area and a rain event occurred the night before which could have contributed to the event. As referenced in section 6.4, an attempt was made to have the property owner at this address complete a questionnaire, however they did not return the completed questionnaire.

This is a potential REC. It is unknown if these incidents are related or where the reports of petroleum contamination occurred on the property. Data is limited as these incidents occurred prior to the adoption of the 2004 Missouri Risk-Based Corrective Action Guidance for Petroleum Storage Tanks.

6.5.3 Other Findings

1. Structure 240 - Brannan's Marine (formerly Mike's Auto Repair), 64 Gravois Rd. Leaking Underground Storage Tank (LUST)

This site is located at subject property 240 and next to subject property 239. A petroleum storage tank closure or regulated release was addressed under the Missouri Risk-Based Corrective Action Guidance for Petroleum Storage Tanks. Evaluation of environmental media found that concentrations of any remaining contaminants, if present, do not pose an unacceptable risk to human health or the environment provided that Activity & Use Limitations (AUL) applied to this property remain in place (non-residential use).

This is not a REC. The no further remedial action letter dated June 9, 2006 from the Missouri DNR states that this determination is based on the stipulated non-residential use of the property (appendix D).

Southwest Jefferson County Mining
 EPA National Priorities List (NPL)
 The Southwest Jefferson County Mining site is located in the southeastern portion of
 Missouri. It is bordered on the north by St. Louis County and the Meramec River, on the east

by the Mississippi River. This site is located approximately .75 miles south of the project site. Lead contamination within the soil and groundwater are present at elevated levels at a number of residential properties in Jefferson County. The site is outside the project area and the EPA continues to provide response actions to further characterize contamination and identify contaminated drinking water wells and surface water bodies within the site footprint.

While the site is located within the search radius evaluated for this environmental site assessment, it is unlikely that contaminants from this site migrated to the subject properties.

3. Chrysler Dump

This site is approximately .3 miles southeast of the subject properties. This site consists of a residential property that had hardened paint waste deposited in barrels and poured out as sludge in an old creek bed parallel to an intermittent tributary of Fenton Creek. The origin of the paint waste was alleged to be the dip tanks at the Chrysler Motors plant in Fenton (3.5 miles NW of the site). Cleanup began in early 1997, which consisted of excavating and disposing of the solid waste and drums, placement of eighteen inches of a clean, compacted clay soil liner over the affected area; and the placement six inches of vegetated topsoil over the clay liner.

While the site is located within the search radius evaluated for this environmental site assessment, it is unlikely that contaminants from this site migrated to the subject properties.

- 4. The Environmental Records Report indicated 2 historical auto repair facilities/gas service stations (in addition to Mike's Auto, Bush Service Station and Fenton Transmissions listed in 6.5.2) at or adjacent to several subject properties included in this assessment:
 - a. 65 Gravois Rd. Historic Gas Service Station that operated from 1975-1980. This is currently the location of Riverside Motor one of the 14 subject properties within the scope of this environmental site assessment.
 - b. 126/198 Gravois Rd. Fenton Auto Repair, Gas Service Station. This site is adjacent to subject properties 240, 299 and 300.

There is no evidence or indication of the presence any hazardous substances or petroleum products from historical documents or the site visit.

5. Southwest Bell, 211 Gravois Rd, Fenton MO 63026 Leaking Underground Storage Tank (LUST)

This site is approximately 250 feet from subject property 299. A petroleum or hazardous substance storage tank closure or regulated release was addressed prior to the adoption of the 2004 Missouri Risk-Based Corrective Action Guidance for Petroleum Storage Tanks. An evaluation found that no further action was warranted.

A no further action letter was issued by MDNR dated September 6, 1990. Additionally, given the topography it is unlikely contaminants from this site would migrate to the subject property.

6. 221 Ferry St (structure 310) - The Environmental Data Report indicated a report of improper disposal of paint solvents down the drain at this location. This is one of the 14 subject properties within the scope of this environmental site assessment.

The improper disposal did not result in a release into the environment.

6.5.5 Data Gaps

1. A right of entry was not obtained for any of the 14 subject properties. This did not allow the environmental professional to visually/physically observe the full periphery of the subject properties as specified in ASTM E1527-21 (9.2.2 – 9.2.3). The site visit consisted only of viewing each subject property from various public access points.

7. ENVIRONMENTAL PROFESSIONAL'S OPINIONS

A Phase 1 Environmental Site Assessment has been performed in conformance with the scope and limitations of ASTM Practice 1527-21 of 14 locations selected for the purpose of implementing flood control measures under the Continuing Authorities Program (CAP) section 205 of the 1948 Flood Control Act. Based on the data and resources available, this assessment has revealed no recognized environmental conditions, no controlled recognized environmental conditions, and/or significant data gaps in connection with the subject property. A Phase II ESA is not recommended at this time.

U.S. Army Corps of Engineers, Environmental Quality Section, should be contacted with any known or suspected variations from the conditions described herein. If future development of the property indicates the presence of hazardous or toxic materials, USACE should be notified to perform a re-evaluation of the environmental conditions.

8. LIMITATIONS AND EXCEPTIONS

The scope of this assessment did not include any additional environmental investigation, not outlined herein, or analyses for the presence or absence of hazardous or toxic materials in the soil, groundwater, surface water, or air, in, on, under, or above the subject tract.

This site assessment was performed in accordance with generally accepted practices of consultants undertaking similar studies at the same time and in the same geographical area, and USACE observed that degree of care and skill generally exercised by consultants under similar circumstances and conditions. The findings and conclusions stated herein must be considered not as scientific certainties, but rather as professional opinions concerning the significance of the limited data gathered during the environmental site assessment. No other warranty, expressed or implied, is made.

Specifically, USACE does not and cannot represent that the Staging Area contains no hazardous waste or material, oil (including petroleum products), or other latent condition beyond that observed by USACE during its site assessment.

The observations described in this report were made under the conditions stated herein. The conclusions presented in the report were based solely upon the services described herein, and not on scientific tasks or procedure beyond the scope of described services or the time and budgetary constraints imposed by the

client. Furthermore, such conclusions are based solely on site conditions and rules and regulations, which were in effect at the time of the study.

In preparing this report, USACE relied on certain information provided by State and local officials and other parties referenced herein, and on information contained in the files of State and/or local agencies available to USACE at the time of the site assessment. Although there may have been some degree of overlap in the information provided by these various sources, an attempt to independently verify the accuracy or completeness of all information reviewed or received during this site assessment was not made.

Observations were made of the site and of structures on the site as indicated within the report. Where access to portions of the site or to structures on the site was unavailable or limited, USACE renders no opinion as to the presence of indirect evidence relating to hazardous waste, material, oil, or other petroleum products in that portion of the site or structure. In addition, USACE renders no opinion as to the presence of hazardous waste or material, oil, or other petroleum products or to the presence of indirect evidence relating to hazardous material, oil, or petroleum products where direct observation of the interior walls, floor, roof, or ceiling of a structure on a site was obstructed by objects or coverings on or over these surfaces.

Unless otherwise specified in the report, USACE did not perform testing or analyses to determine the presence or concentration of asbestos, radon, formaldehyde, lead-based paint, lead in drinking water, electromagnetic fields (EMFs), or polychlorinated biphenyls (PCBs) at the site or in the environment at the site.

The purpose of this report is to assess the physical characteristics of the subject site with respect to the presence of hazardous waste, material, oil, or petroleum products in the environment.

Except as otherwise described in this report, no specific attempt was made to check on the compliance of present or past owners or operators of the site with Federal, State, or local laws and regulations, environmental or otherwise.

Personnel from CEMVS-EC-EQ have specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property and declare that, to the best of their professional knowledge and belief, meet the definitions of Environmental Professionals as defined under 40 CFR 312.

9. REFERENCES

ASTM, 2021. E1527-21 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.

ASTM, 2016. E2247-16 Standard Practice for Environmental Site Assessments: Phase 1 Environmental Site Assessment Process for Forestland or Rural Property.

APPENDIX A: PHOTOGRAPHS



28 – Pfitzinger Graphics 679 Larkin Williams Rd.



28 – Pfitzinger Graphics679 Larkin Williams Rd.



28 – Pfitzinger Graphics 679 Larkin Williams Rd.



28 – Pfitzinger Graphics 679 Larkin Williams Rd.



28 – Pfitzinger Graphics 679 Larkin Williams Rd.



28 – Pfitzinger Graphics 679 Larkin Williams Rd.



28 – Pfitzinger Graphics679 Larkin Williams Rd.



239 – Hely Heading and Cooling62 Gravois Rd



239 – Hely Heading and Cooling62 Gravois Rd



239/240 – Hely Heading and Cooling/Brannans Marine 62/64 Gravois Rd.



239/240 – Hely Heating and Cooling/Brannans Marine 62/64 Gravois Rd.



240 – Brannans Marine64 Gravois Rd.



240 – Brannans Marine64 Gravois Rd.



240 – Brannans Marine 64 Gravois Rd.



240 – Brannans Marine 64 Gravois Rd.



330 – 36 Gravois Rd.



330/242 – 36/18 Gravois Rd.
Facing NW (across st)



242 – United Glass, 18 Gravois Rd.(10 Gravois to the east)



242 – United Glass, 18 Gravois Rd.(10 Gravois to the east)



242 – United Glass, 18 Gravois Rd. (rear)



250 – Fenton Feed Mill, 412 Water St.



250 – Fenton Feed Mill, 412 Water St.



251 – Fenton Feed Mill, 412 Water St.



251 – Fenton Feed Mill, 412 Water St.



251 – Fenton Feed Mill, 412 Water St. (lot directly next to 255FP SW side)



251/252 – Fenton Feed Mill, 412 Water St. (facing NE across street)



252 – Fenton Feed Mill, 412 Water St. (transformer across street)



252 – Fenton Feed Mill, 412 Water St.



252 – Fenton Feed Mill, 412 Water St.



252 – Fenton Feed Mill, 412 Water St.



252 – Fenton Feed Mill, 412 Water St.



299 – Riverside Motor, 65 Gravois Rd.



299 – Riverside Motor, 65 Gravois Rd. (facing W across Grave St.)



299 – Riverside Motor, 65 Gravois Rd. (rear)



299 – Riverside Motor, 65 Gravois Rd.



299 – Riverside Motor, 65 Gravois Rd. (facing W across Grave St.)



299 – Riverside Motor, 65 Gravois Rd.



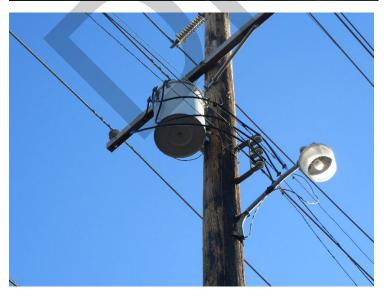
310 – 221 Ferry St.



310 – 221 Ferry St.



310 – 221 Ferry St.



310 – 221 Ferry St.
Transformer



310 – 221 Ferry St.



310 – 221 Ferry St.

Electrical sub-station

(facing W behind building)



310 – 221 Ferry St. (facing NW)



310 – 221 Ferry St.



310 – 221 Ferry St.

(facing S across Center St)



282 – 1210 Larkin Williams Rd



282 – 1210 Larkin Williams Rd



282 – 1210 Larkin Williams Rd



282 – 1210 Larkin Williams Rd



241 – 42 Gravois Rd, Joe Clarks Restaurant



241 – 42 Gravois Rd, Joe Clarks Restaurant



241 – 42 Gravois Rd, Joe Clarks Restaurant (across street, facing NW)



241 – 42 Gravois Rd, Joe Clarks Restaurant (behind facility, facing NE)



241 – 42 Gravois Rd, Joe Clarks Restaurant (behind facility, facing NW)



241 – 42 Gravois Rd, Joe Clarks Restaurant (behind facility, facing SE)



300 – 53 Gravois Rd, Riverside Auto (from Gravois, facing NW)



300 – 53 Gravois Rd, Riverside Auto (vacant lot next to property directly to E)



300 – 53 Gravois Rd, Riverside Auto (from Gravois facing NE)



300 – 53 Gravois Rd, Riverside Auto (from Grave facing S)



0 – 945 Larkin Williams Rd, Fenton Athletic Association (front of bldg. facing N)



0 – 945 Larkin Williams Rd, Fenton Athletic Association (facing E)



0 – 945 Larkin Williams Rd, Fenton Athletic Association (rear of bldg)



0 – 945 Larkin Williams Rd, Fenton Athletic Association (W of bldg. facing E)



0 – 945 Larkin Williams Rd, Fenton Athletic Association (N of bldg. facing N)



0 – 945 Larkin Williams Rd, Fenton Athletic Association



0 – 945 Larkin Williams Rd, Fenton Athletic Association. Transformer (1 of 3)



0 – 945 Larkin Williams Rd, Fenton Athletic Association. (N of bldg. facing S)







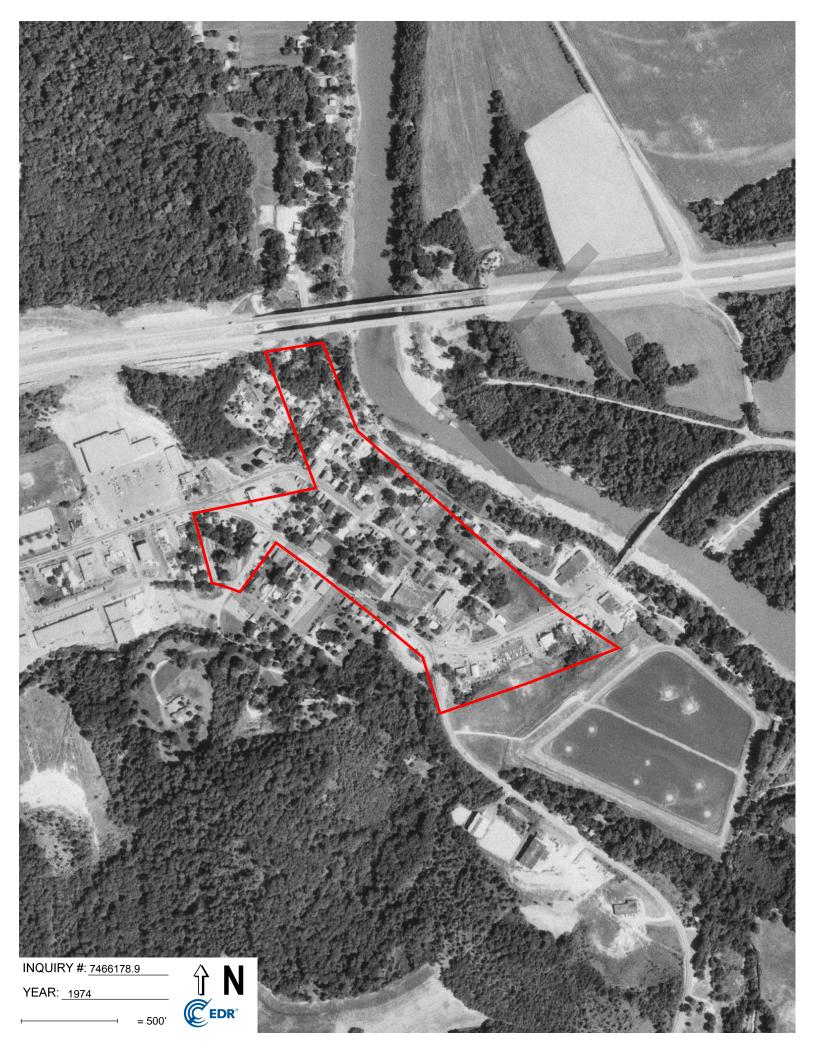
0 – 945 Larkin Williams Rd, Fenton Athletic Association. Transformer (3 of 3)

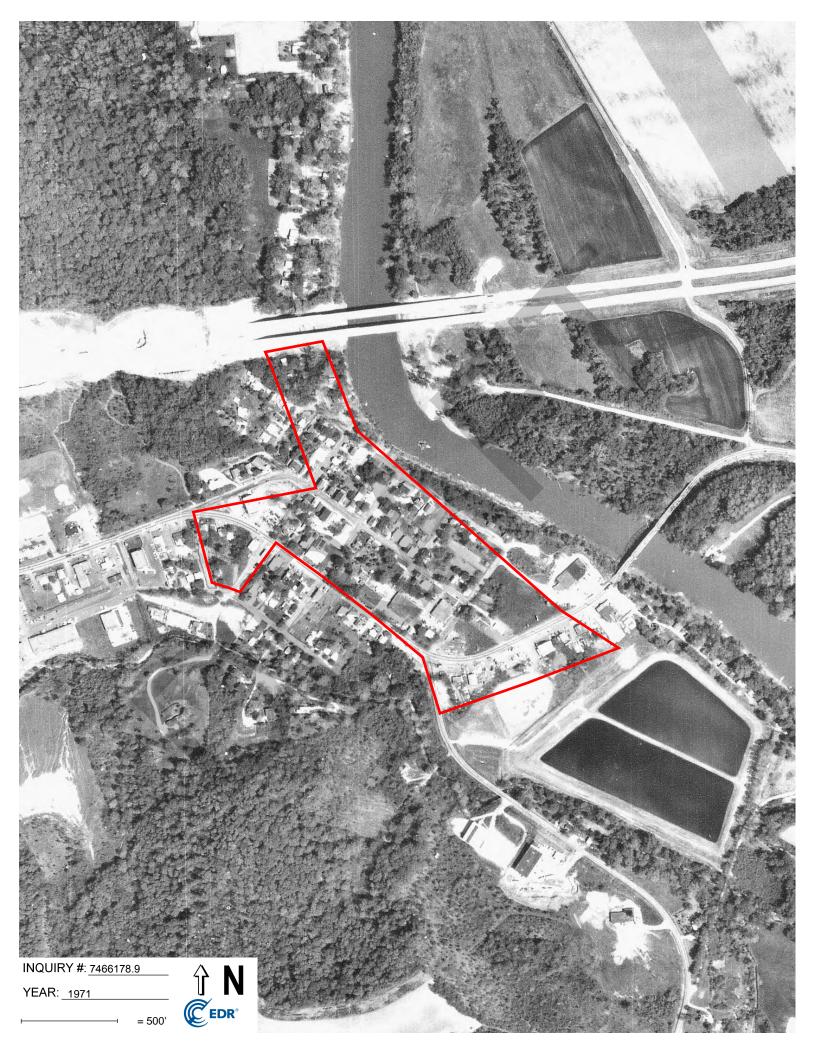
APPENDIX B: AERIAL AND TOPOGRAPHIC MAPS

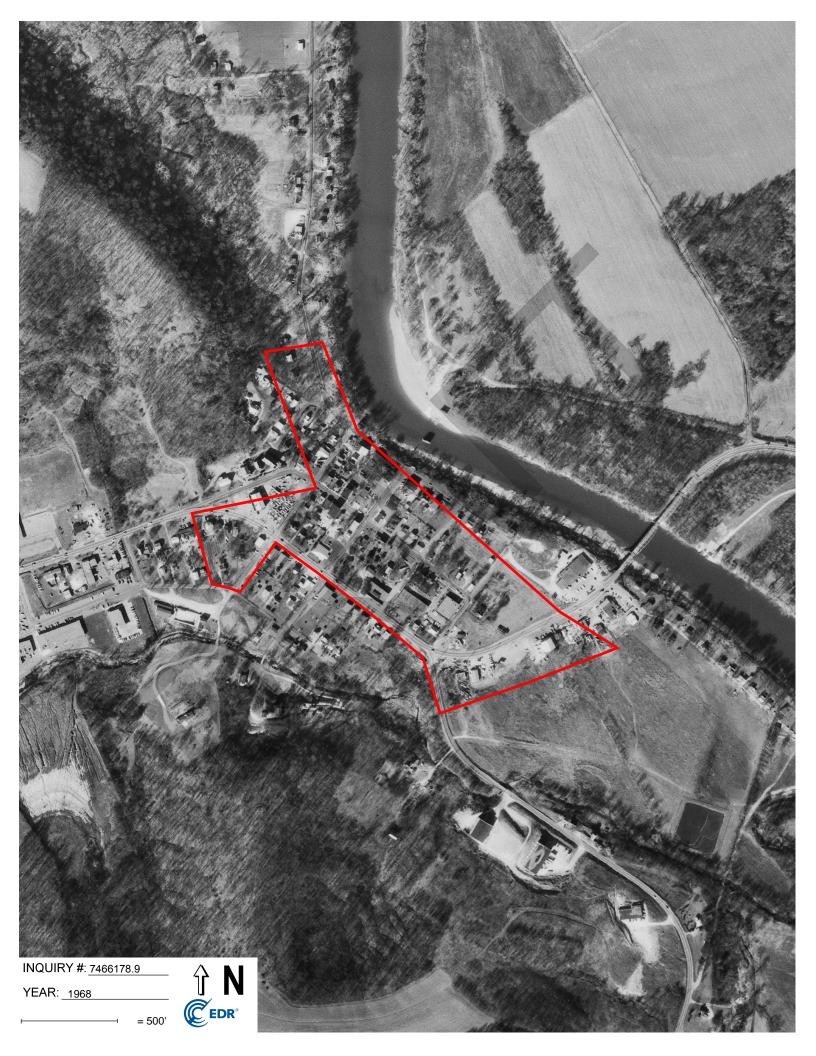


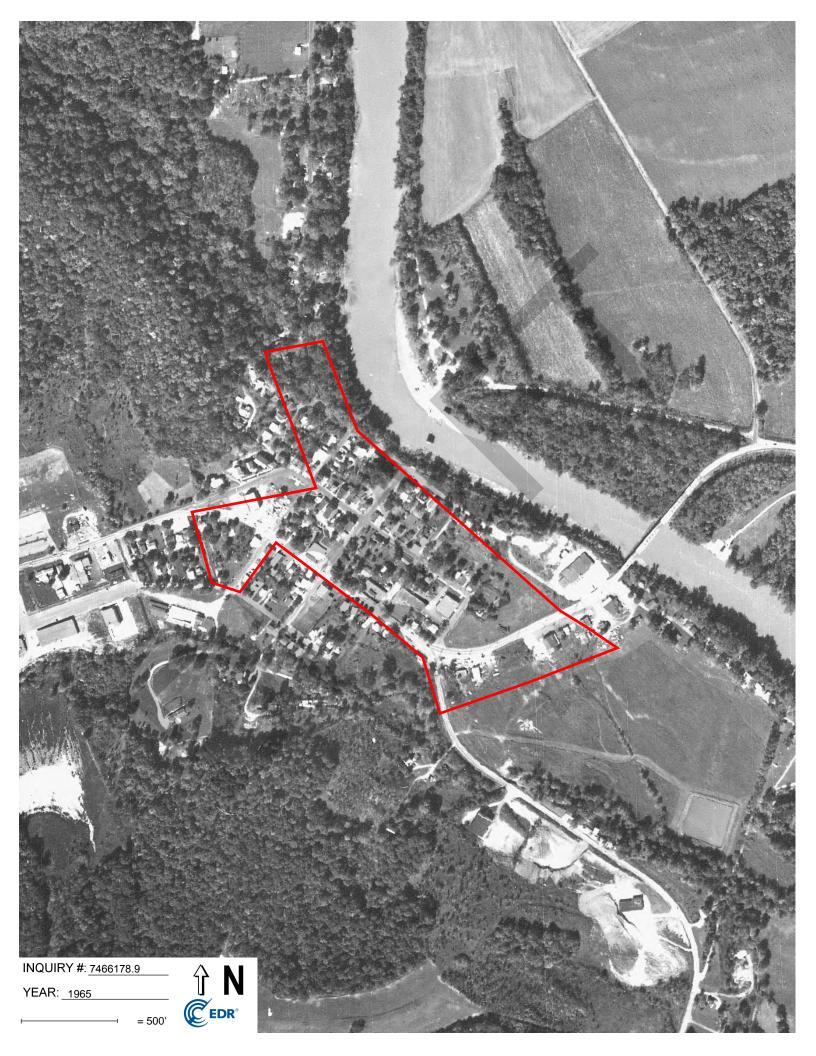


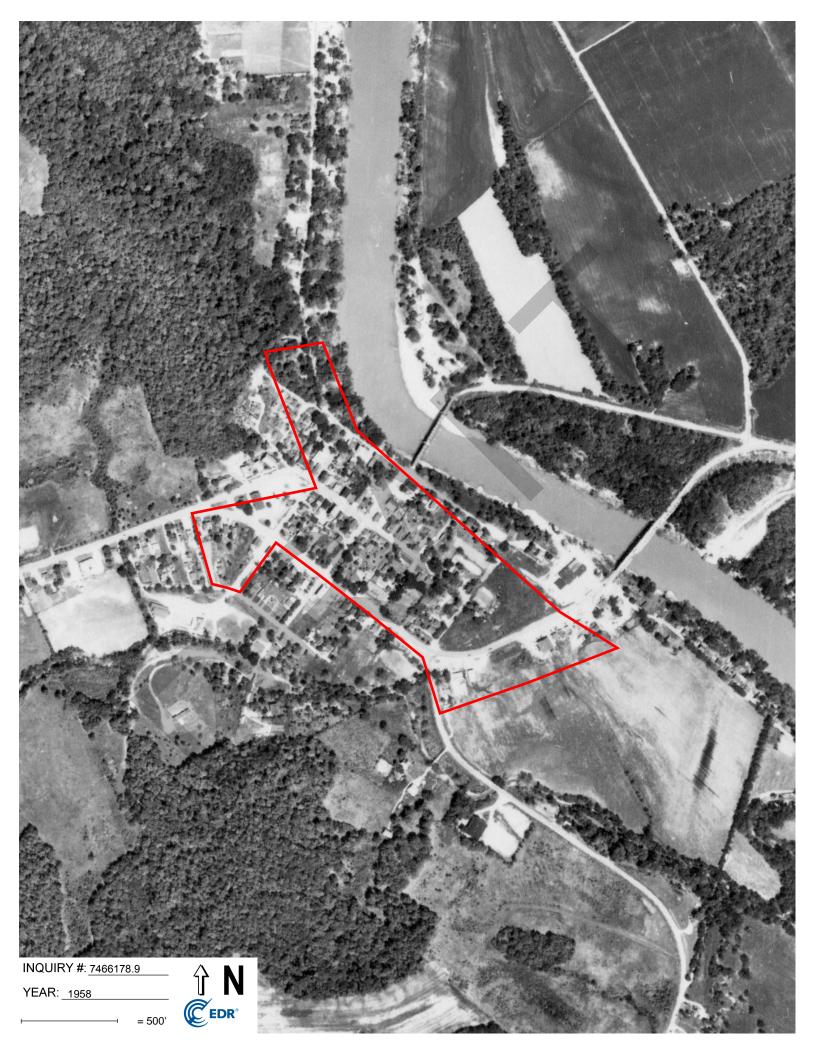


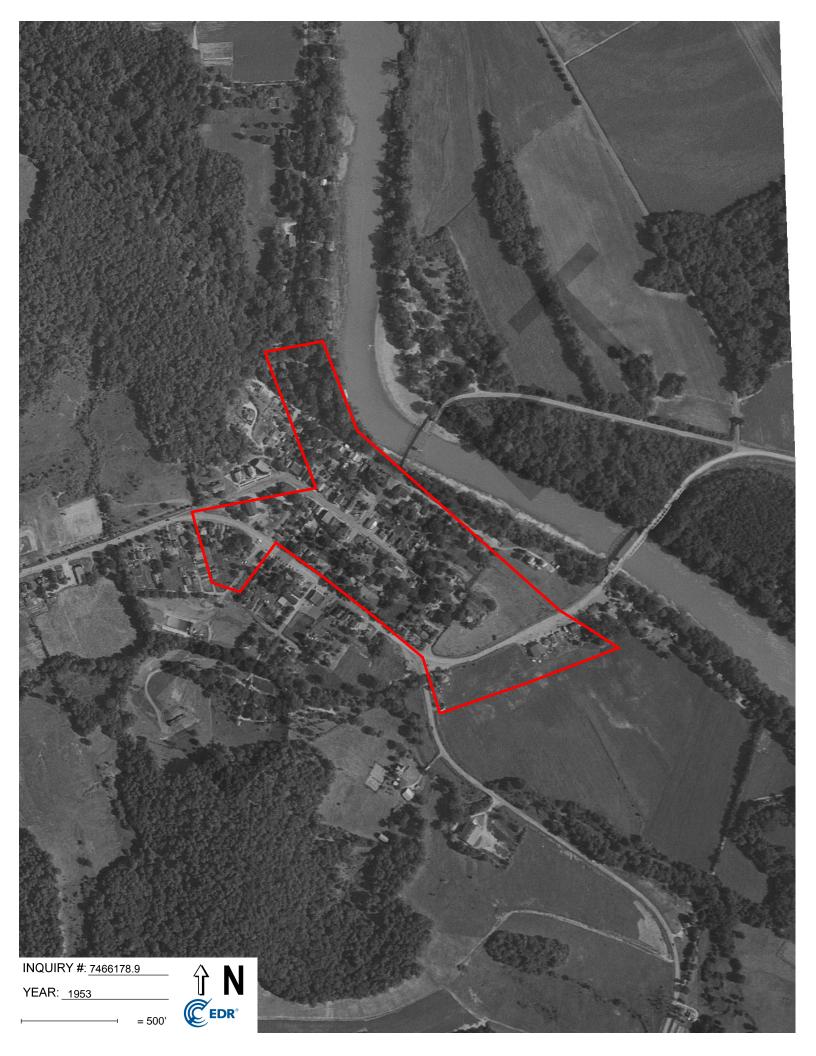


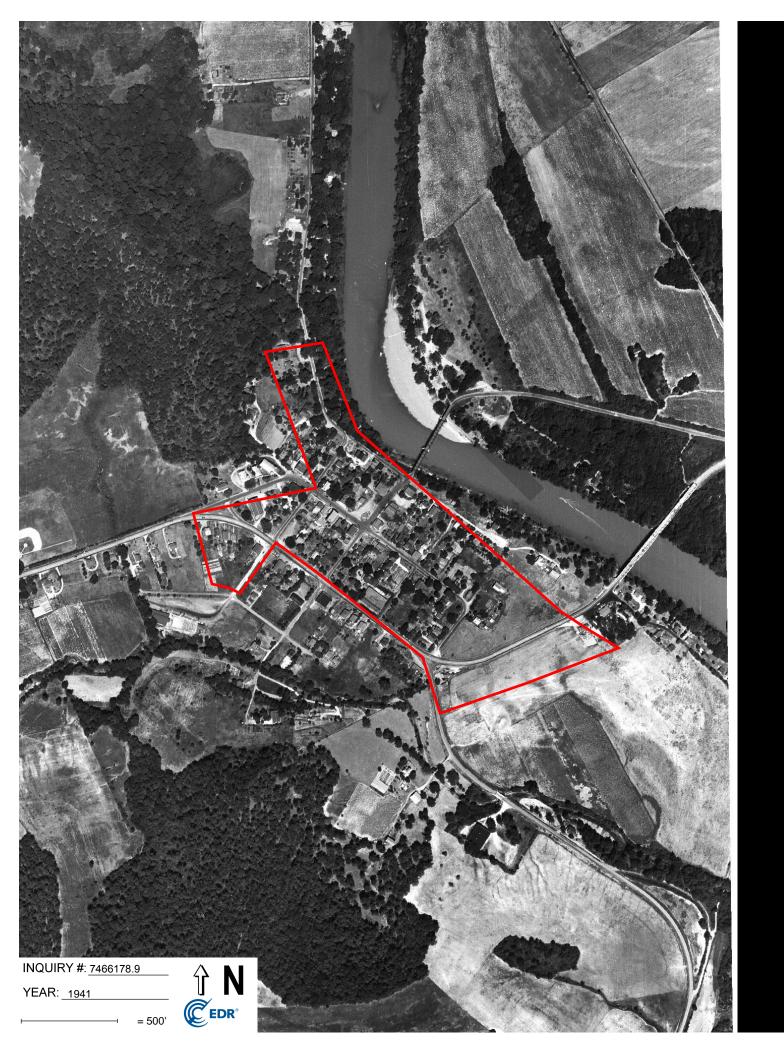


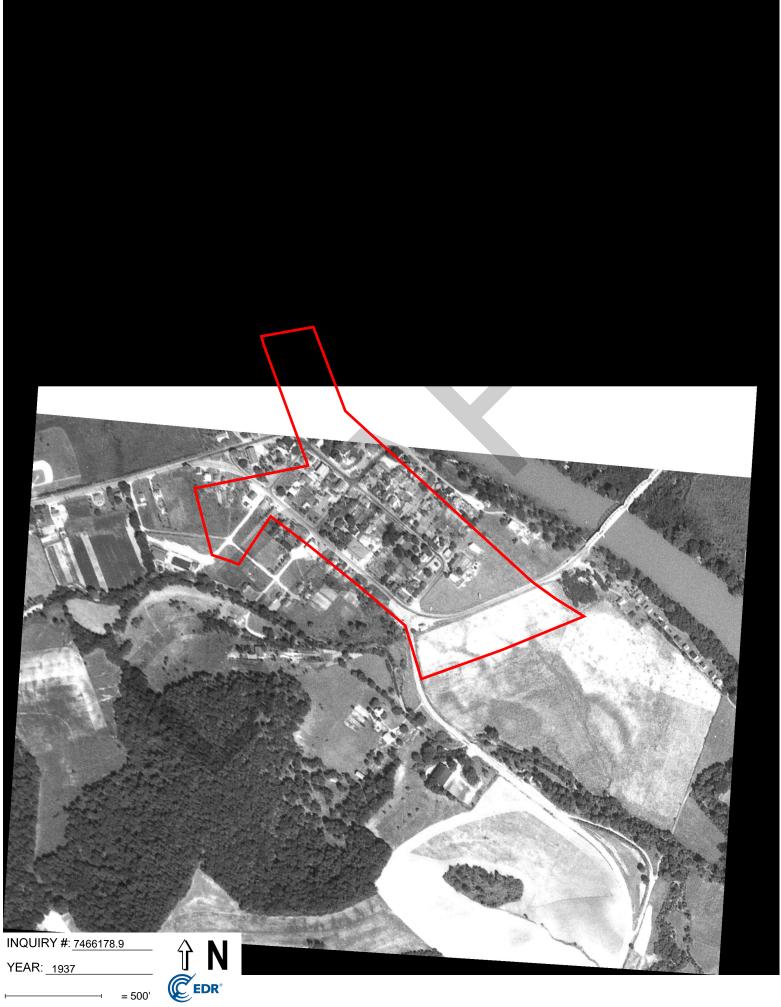












Reach 5

412 Water St

Fenton, MO 63026

Inquiry Number: 7466178.9

October 10, 2023

The EDR Aerial Photo Decade Package



EDR Aerial Photo Decade Package

10/10/23

Site Name: Client Name:

Reach 5 U.S. Army Corps of Engineers

412 Water St Svc. Base,

Fenton, MO 63026 St. Louis, MO 63118

EDR Inquiry # 7466178.9 Contact: Michael Skrabacz



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

Search Results:

Year	Scale	Details	Source
2020	1"=500'	Flight Year: 2020	USDA/NAIP
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: January 01, 1996	USGS/DOQQ
1992	1"=500'	Flight Date: March 27, 1992	USGS
1990	1"=500'	Acquisition Date: April 08, 1990	USGS/DOQQ
1985	1"=500'	Flight Date: March 15, 1985	NHAP
1980	1"=500'	Flight Date: October 08, 1980	USDA
1974	1"=500'	Flight Date: May 01, 1974	USGS
1971	1"=500'	Flight Date: May 04, 1971	USDA
1968	1"=500'	Flight Date: March 17, 1968	USGS
1965	1"=500'	Flight Date: October 10, 1965	USDA
1958	1"=500'	Flight Date: May 13, 1958	USDA
1953	1"=500'	Flight Date: August 14, 1953	USDA
1941	1"=500'	Flight Date: July 30, 1941	ASCS
1937	1"=500'	Flight Date: September 17, 1937	USDA

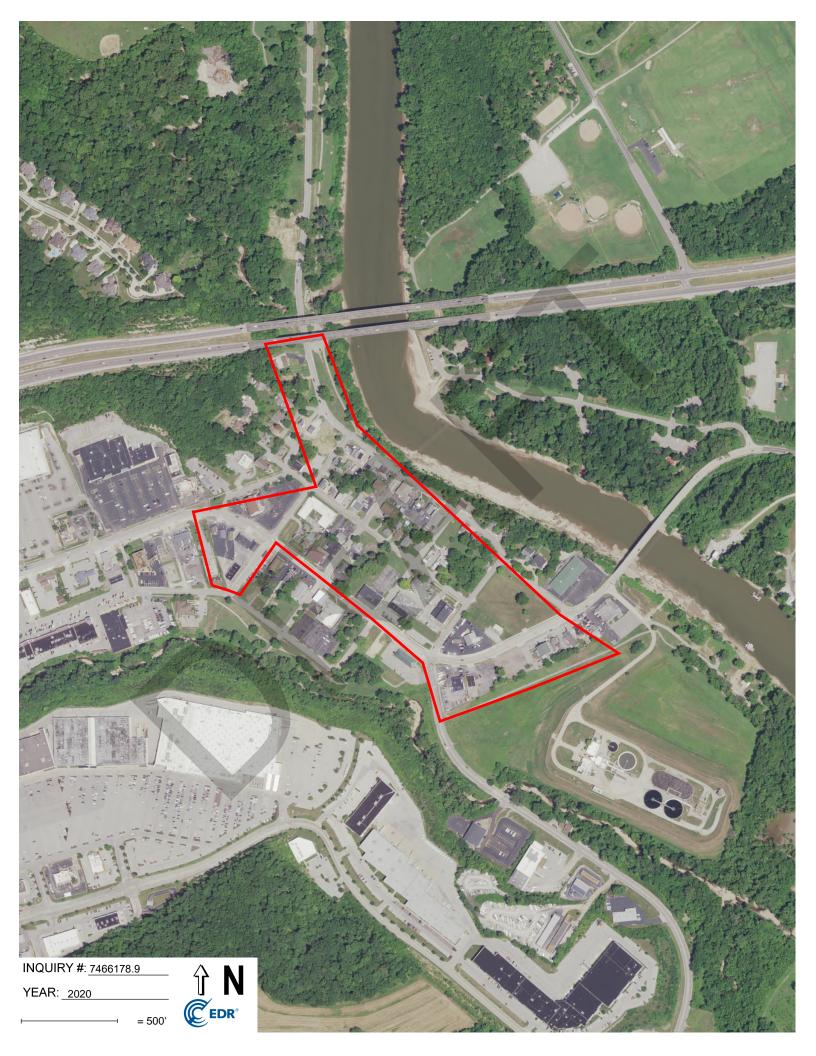
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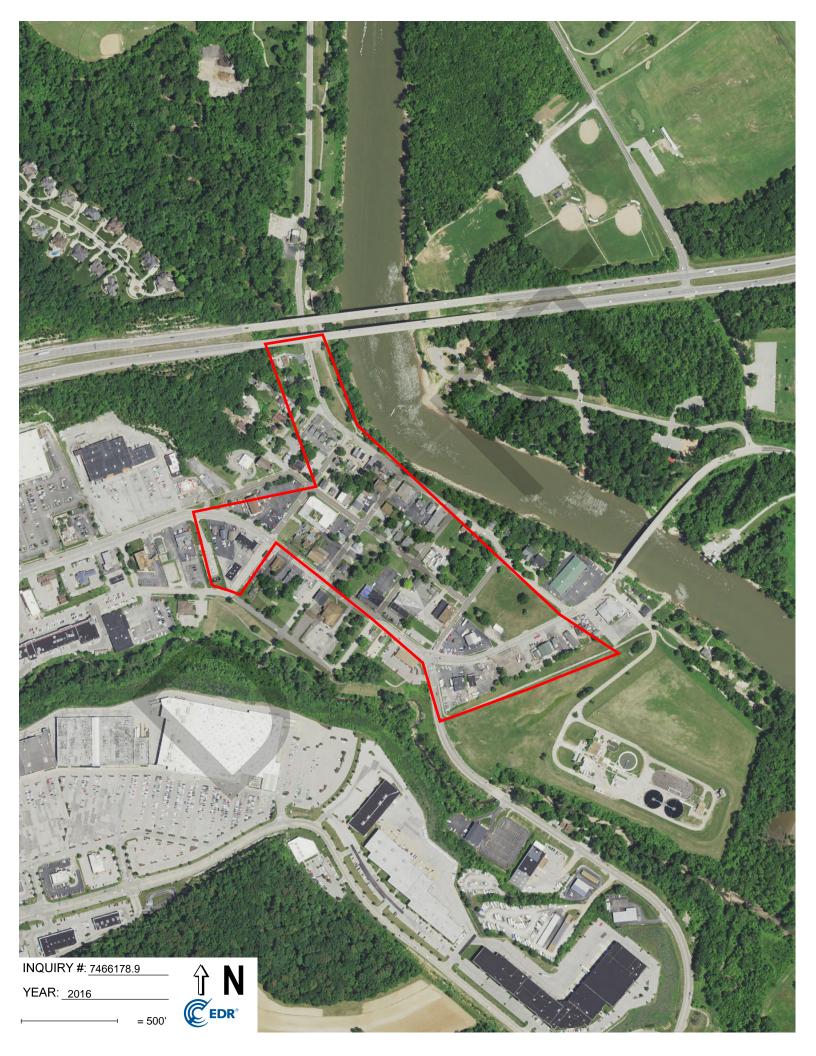
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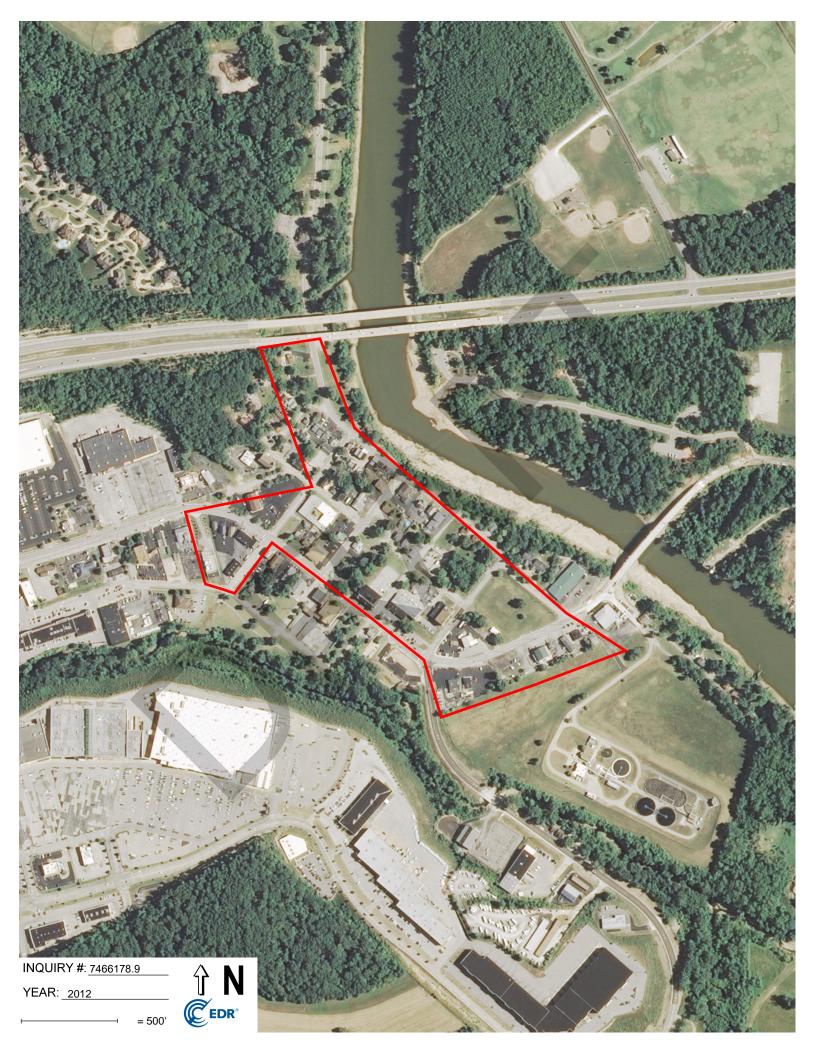
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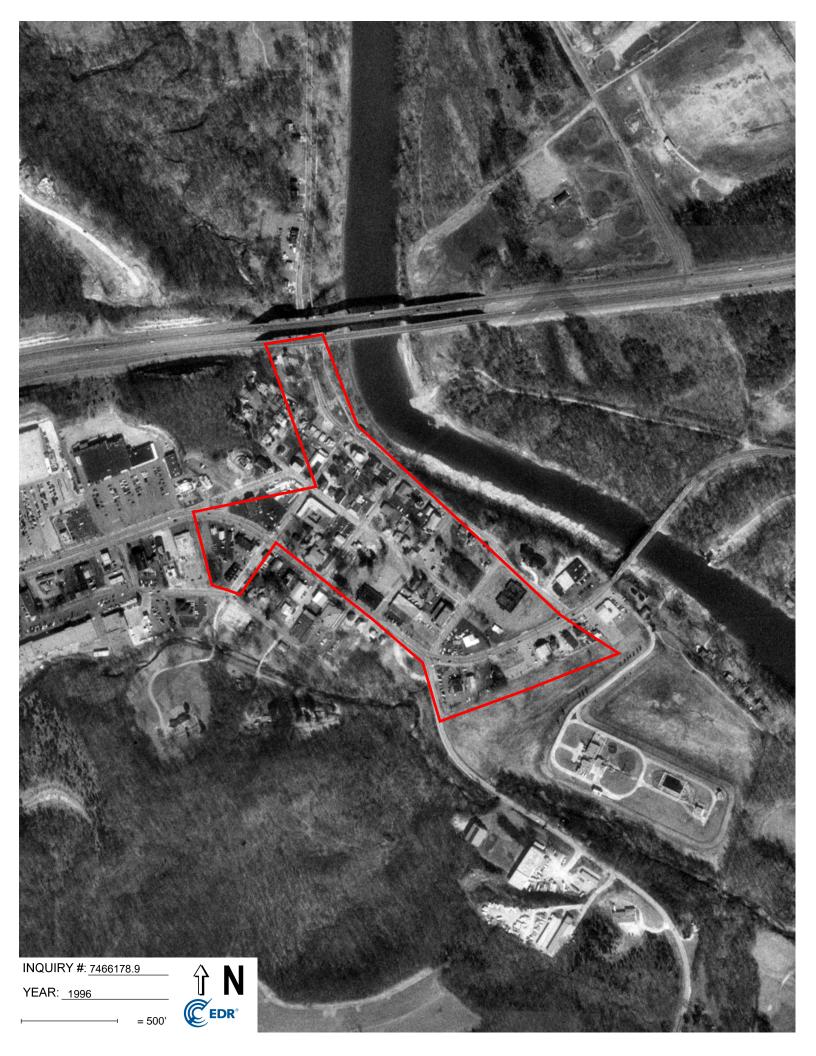


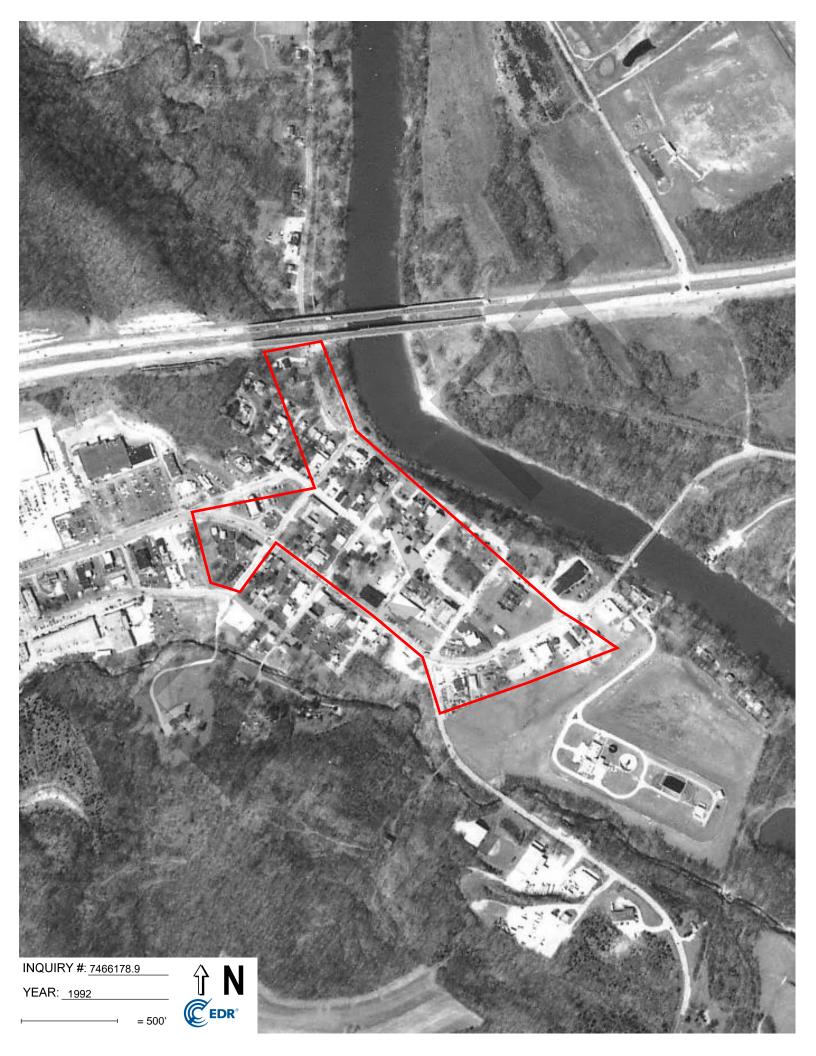












Reach 5 412 Water St Fenton, MO 63026

Inquiry Number: 7466178.4

October 10, 2023

EDR Historical Topo Map Report

with QuadMatch™





EDR Historical Topo Map Report

10/10/23

Site Name: Client Name:

Reach 5 U.S. Army Corps of Engineers

412 Water St Svc. Base,

Fenton, MO 63026 St. Louis, MO 63118

EDR Inquiry # 7466178.4 Contact: Michael Skrabacz



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

Search Resi	ults:	Coordinates:	
P.O.#	NA	Latitude:	38.514095 38° 30' 51" North
Project:	Fenton CAP 205 Reach 5	Longitude:	-90.436016 -90° 26' 10" West
-		UTM Zone:	Zone 15 North
		UTM X Meters:	723547.29
		UTM Y Meters:	4265973.30
		Elevation:	415.67' above sea level

Maps Provided:

20172015

1993

1982

1974

1968

1954 1940

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Topo Sheet Key

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

2017 Source Sheets



Kirkwood 2017 7.5-minute, 24000



Maxville 2017 7.5-minute, 24000

2015 Source Sheets



Kirkwood 2015 7.5-minute, 24000



Maxville 2015 7.5-minute, 24000

1993 Source Sheets



Kirkwood 1993 7.5-minute, 24000 Aerial Photo Revised 1990

1982 Source Sheets



Kirkwood 1982 7.5-minute, 24000 Aerial Photo Revised 1974



Maxville 1982 7.5-minute, 24000 Aerial Photo Revised 1979

Topo Sheet Key

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

1974 Source Sheets



Maxville 1974 7.5-minute, 24000 Aerial Photo Revised 1974



Kirkwood 1974 7.5-minute, 24000 Aerial Photo Revised 1974

1968 Source Sheets



Maxville 1968 7.5-minute, 24000 Aerial Photo Revised 1968



Kirkwood 1968 7.5-minute, 24000 Aerial Photo Revised 1968

1954 Source Sheets



Kirkwood 1954 7.5-minute, 24000 Aerial Photo Revised 1952

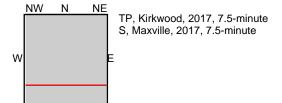


Maxville 1954 7.5-minute, 24000 Aerial Photo Revised 1952

1940 Source Sheets



Kirkwood 1940 7.5-minute, 24000



SW

S

SITE NAME: Reach 5 412 Water St ADDRESS:

0.25

0 Miles

Fenton, MO 63026

0.5

U.S. Army Corps of Engineers CLIENT:

1.5

Fenton, MO 63026

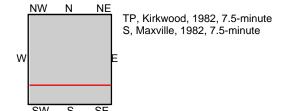
CLIENT:

SW

S

U.S. Army Corps of Engineers

S



0 Miles 0.25 0.5 1 1.5

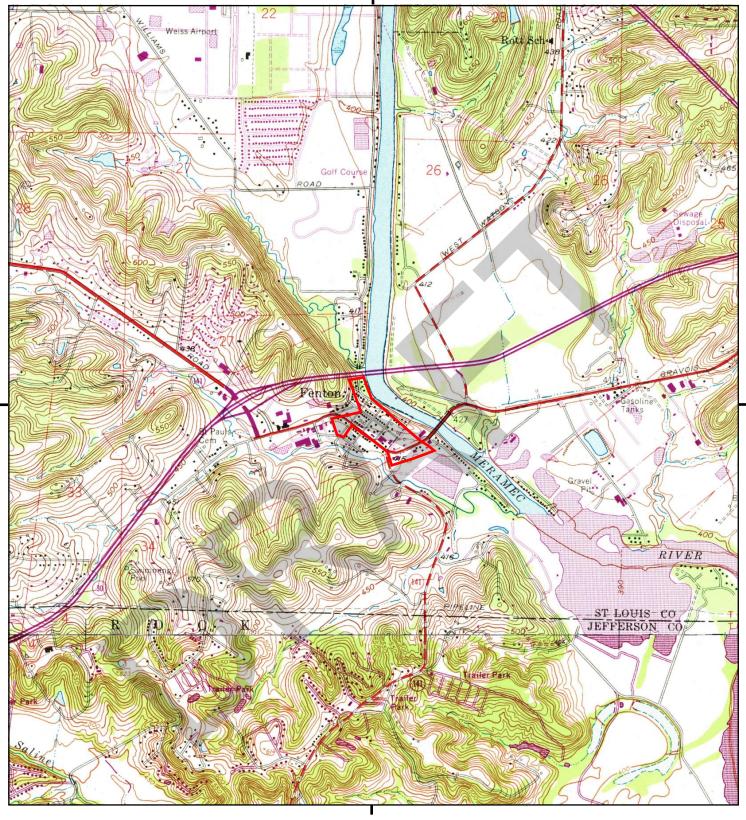
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ADDRESS: 412 Water St

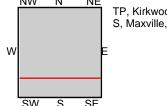
Fenton, MO 63026

CLIENT: U.S. Army Corps of Engineers









TP, Kirkwood, 1974, 7.5-minute S, Maxville, 1974, 7.5-minute

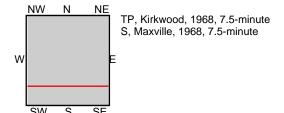
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SITE NAME: Reach 5
ADDRESS: 412 Water St

Fenton, MO 63026

CLIENT: U.S. Army Corps of Engineers





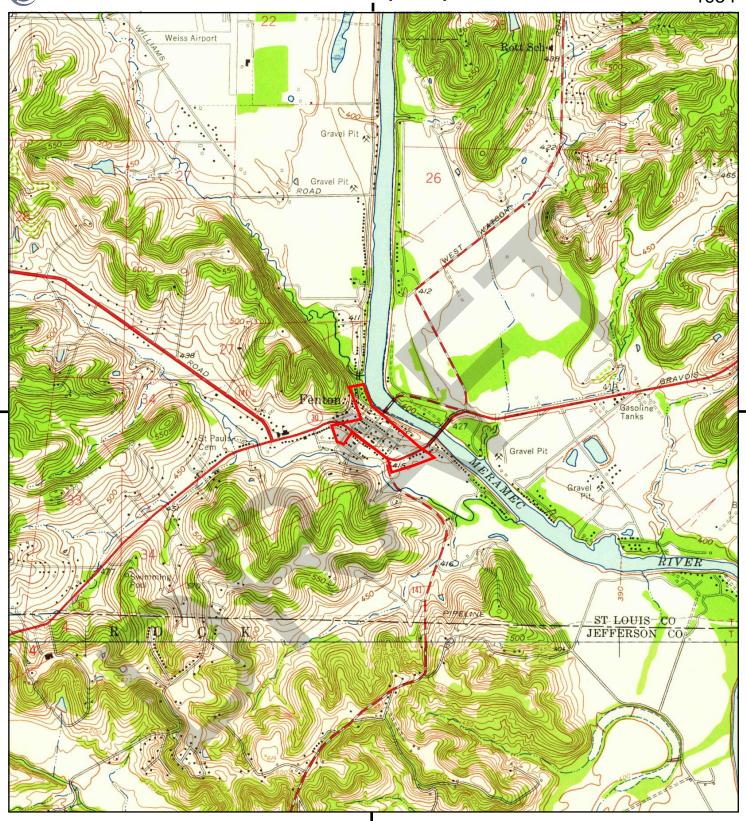
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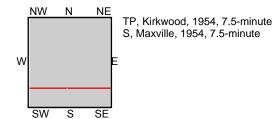
SITE NAME: Reach 5
ADDRESS: 412 Water St

Fenton, MO 63026

CLIENT: U.S. Army Corps of Engineers







SITE NAME: Reach 5
ADDRESS: 412 Water St

0.25

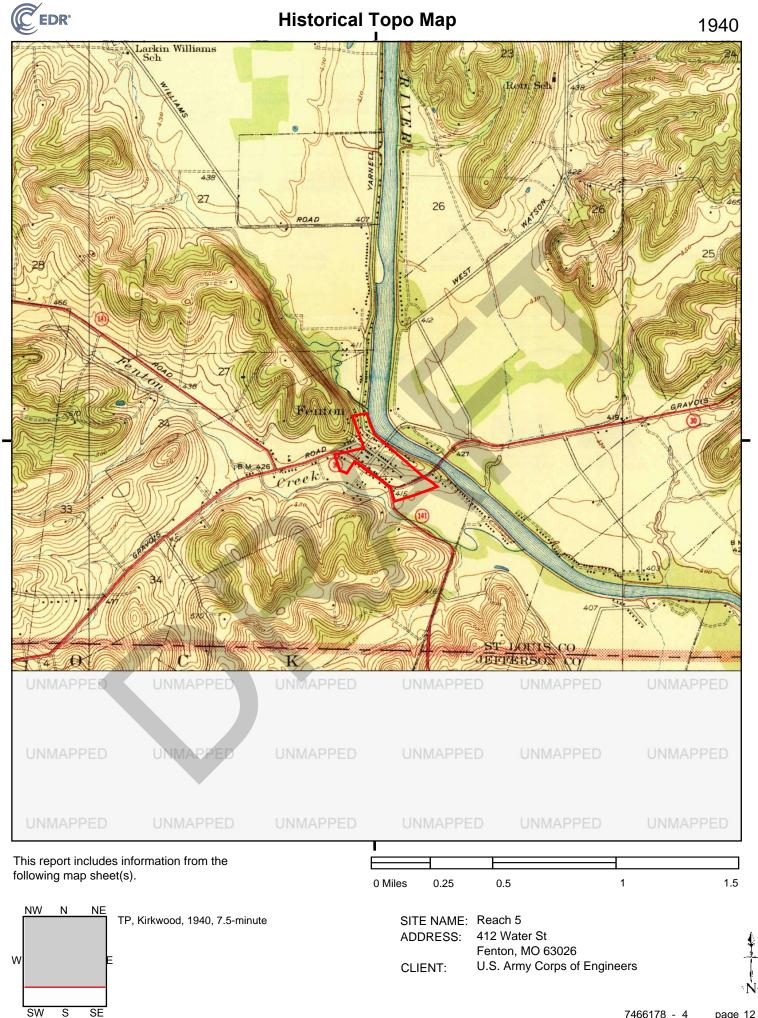
0 Miles

Fenton, MO 63026

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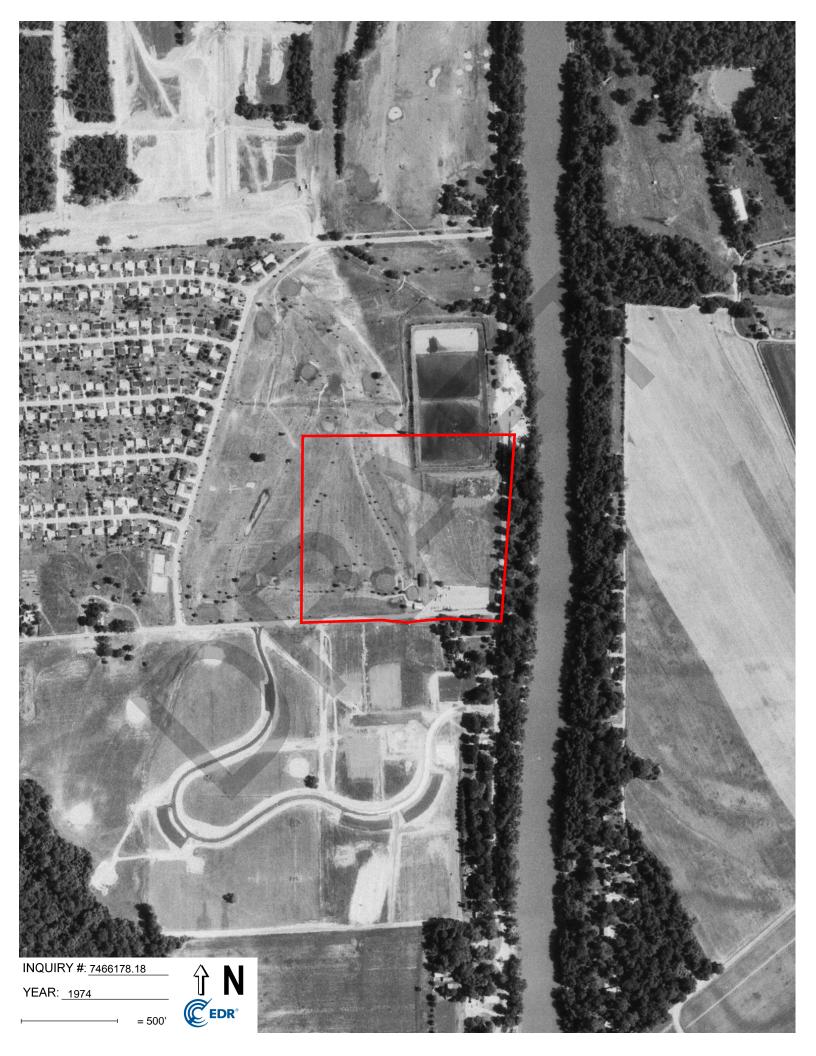
CLIENT: U.S. Army Corps of Engineers

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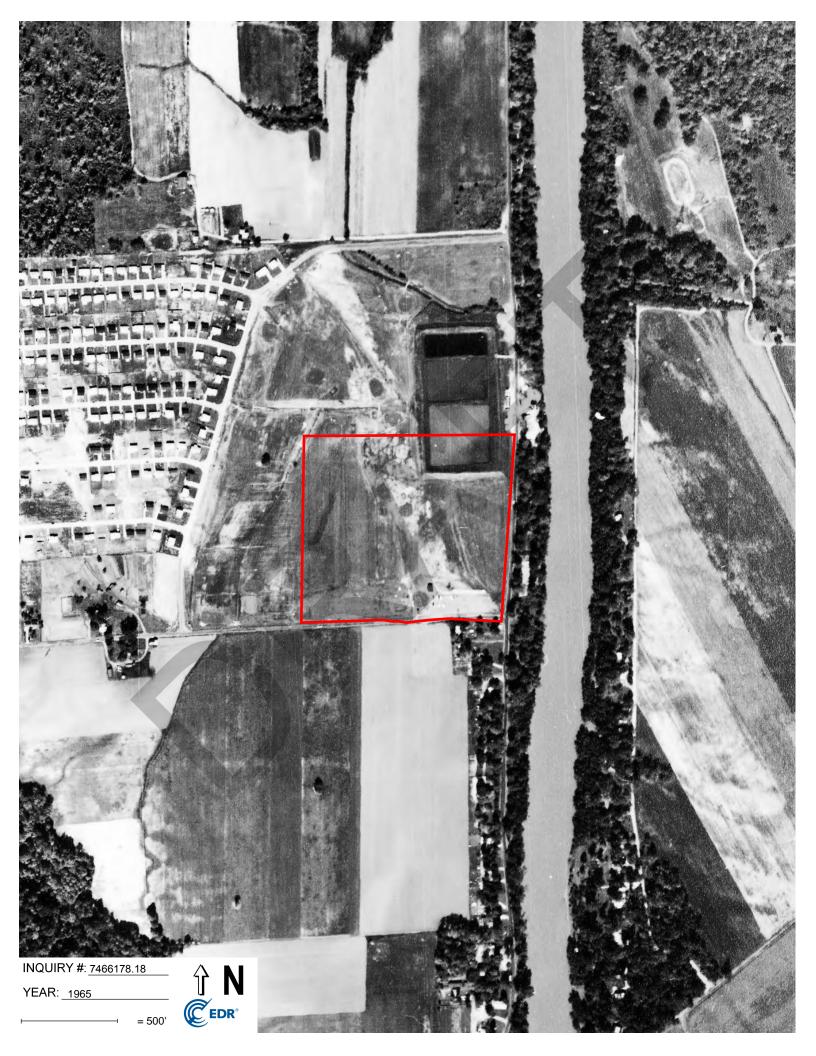


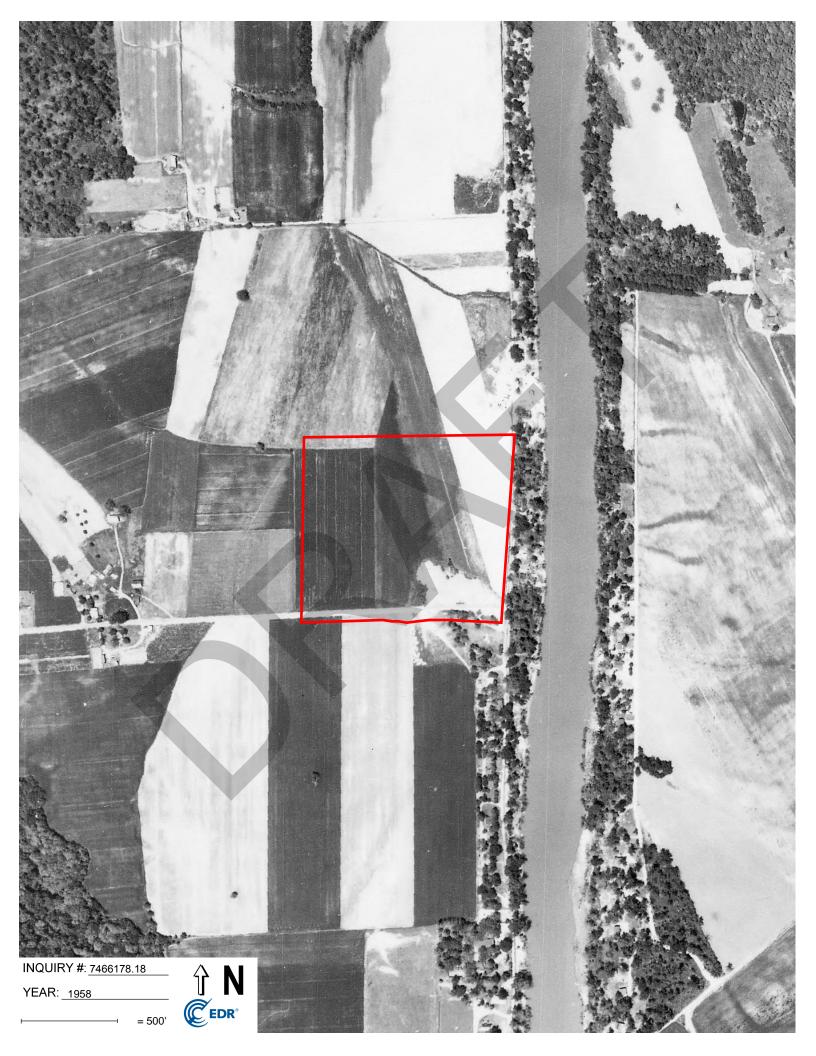




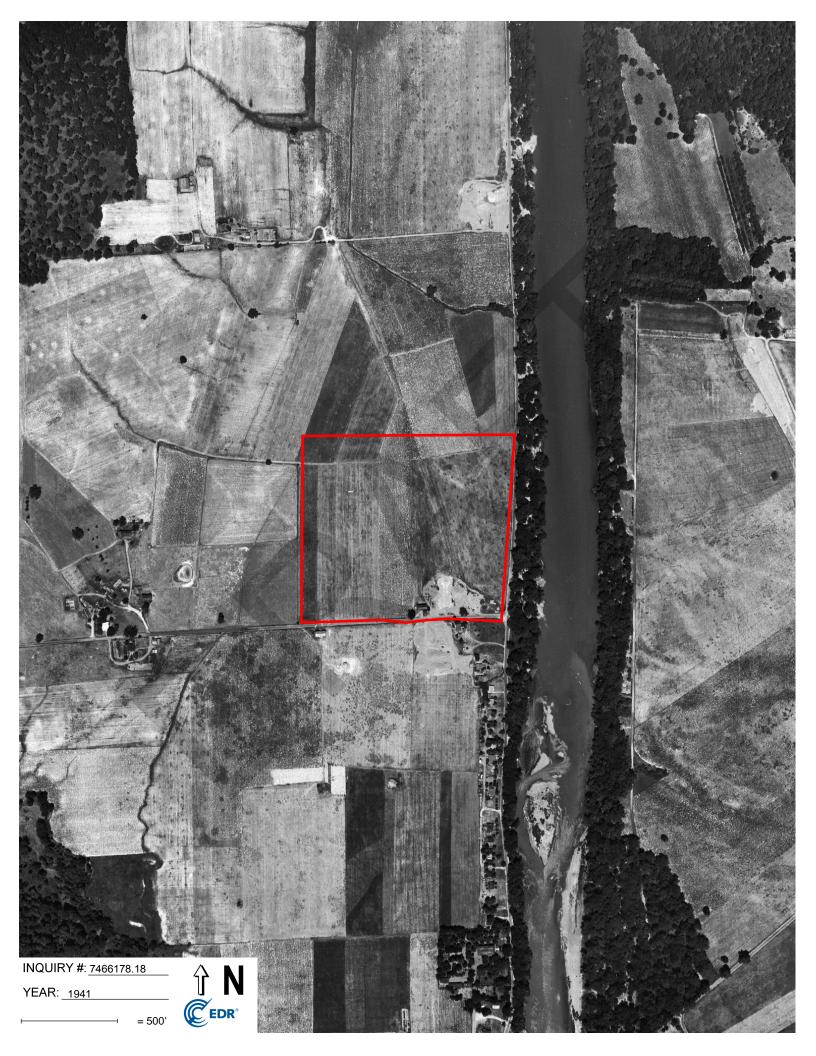














Reach 8

1210 Larkin Williams Rd Fenton, MO 63026

Inquiry Number: 7466178.18

October 10, 2023

The EDR Aerial Photo Decade Package



EDR Aerial Photo Decade Package

10/10/23

Site Name: Client Name:

Reach 8 U.S. Army Corps of Engineers

1210 Larkin Williams Rd Svc. Base,

Fenton, MO 63026 St. Louis, MO 63118

EDR Inquiry # 7466178.18 Contact: Michael Skrabacz



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

Search Results:

Year	Scale	Details	Source
2020	1"=500'	Flight Year: 2020	USDA/NAIP
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: January 01, 1996	USGS/DOQQ
1992	1"=500'	Flight Date: March 27, 1992	USGS
1990	1"=500'	Acquisition Date: April 08, 1990	USGS/DOQQ
1985	1"=500'	Flight Date: March 15, 1985	NHAP
1980	1"=500'	Flight Date: October 08, 1980	USDA
1974	1"=500'	Flight Date: May 01, 1974	USGS
1971	1"=500'	Flight Date: May 04, 1971	USDA
1968	1"=500'	Flight Date: March 17, 1968	USGS
1965	1"=500'	Flight Date: October 10, 1965	USDA
1958	1"=500'	Flight Date: May 13, 1958	USDA
1953	1"=500'	Flight Date: August 14, 1953	USDA
1941	1"=500'	Flight Date: July 30, 1941	ASCS
1937	1"=500'	Flight Date: September 17, 1937	USDA

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Reach 8 1210 Larkin Williams Rd Fenton, MO 63026

Inquiry Number: 7466178.13

October 10, 2023



with QuadMatch™





EDR Historical Topo Map Report

10/10/23

Site Name: Client Name:

Reach 8 U.S. Army Corps of Engineers

1210 Larkin Williams Rd Svc. Base,

Fenton, MO 63026 St. Louis, MO 63118

EDR Inquiry # 7466178.13 Contact: Michael Skrabacz



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Search Resi	ılts:	Coordinates:	
P.O.#	NA	Latitude:	38.529548 38° 31' 46" North
Project:	Fenton CAP 205 Reach 8	Longitude:	-90.43925 -90° 26' 21" West
-		UTM Zone:	Zone 15 North
		UTM X Meters:	723217.51
		UTM Y Meters:	4267680.52
		Elevation:	413.00' above sea level

Maps Provided:

20172015

1993

1982

1974

1968 1954

1940

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page 2

Topo Sheet Key

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2017 Source Sheets



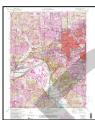
Kirkwood 2017 7.5-minute, 24000

2015 Source Sheets



Kirkwood 2015 7.5-minute, 24000

1993 Source Sheets



Kirkwood 1993 7.5-minute, 24000 Aerial Photo Revised 1990

1982 Source Sheets



Kirkwood 1982 7.5-minute, 24000 Aerial Photo Revised 1974

Topo Sheet Key

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

1974 Source Sheets



Kirkwood 1974 7.5-minute, 24000 Aerial Photo Revised 1974

1968 Source Sheets



Kirkwood 1968 7.5-minute, 24000 Aerial Photo Revised 1968

1954 Source Sheets

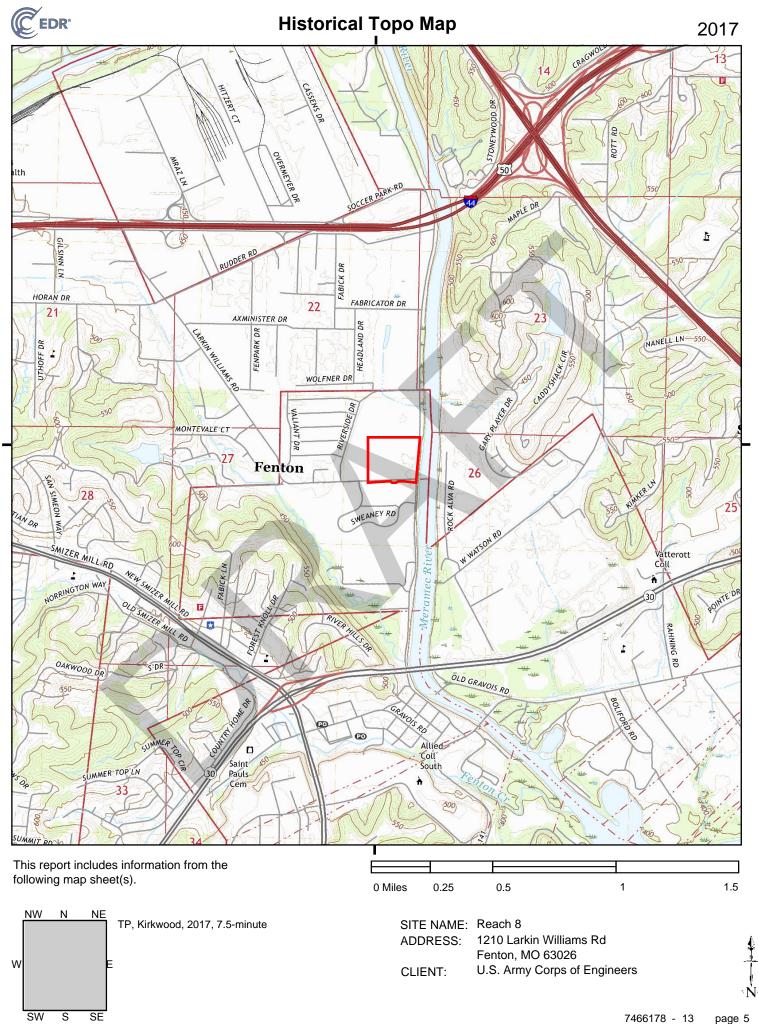


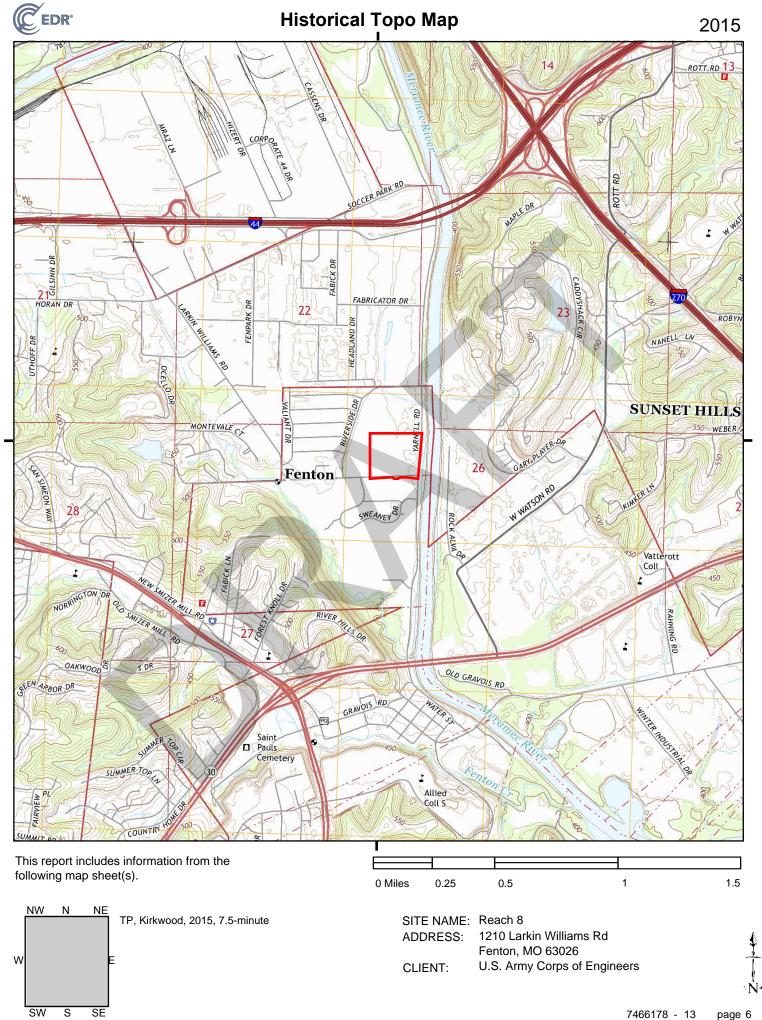
Kirkwood 1954 7.5-minute, 24000 Aerial Photo Revised 1952

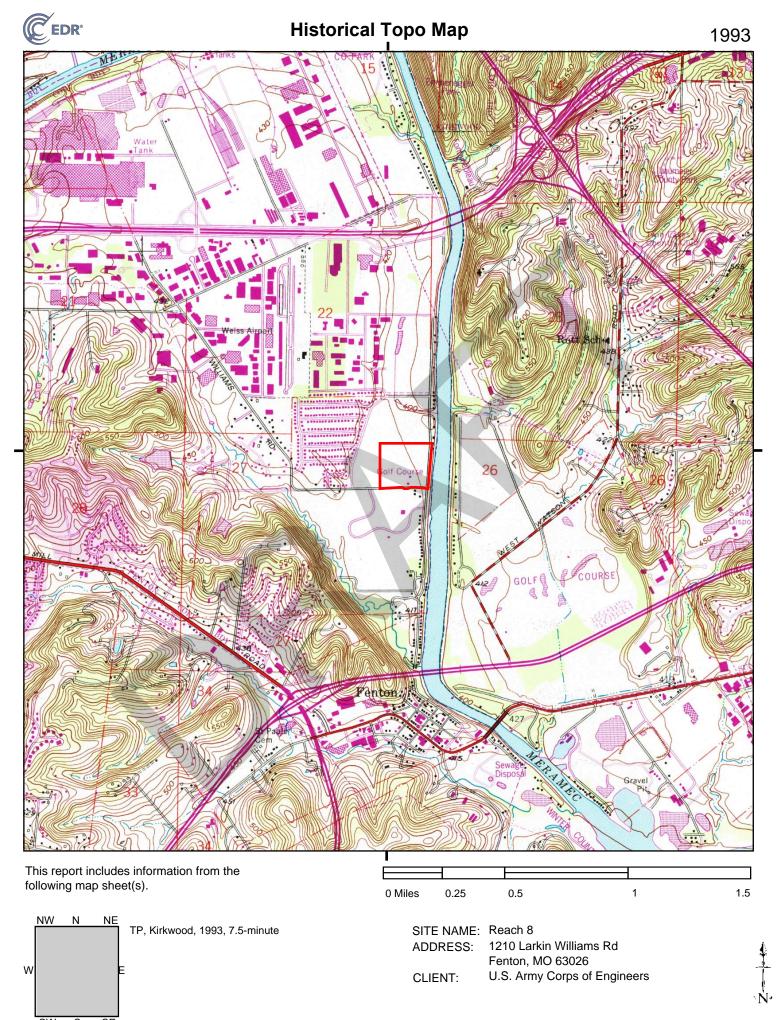
1940 Source Sheets

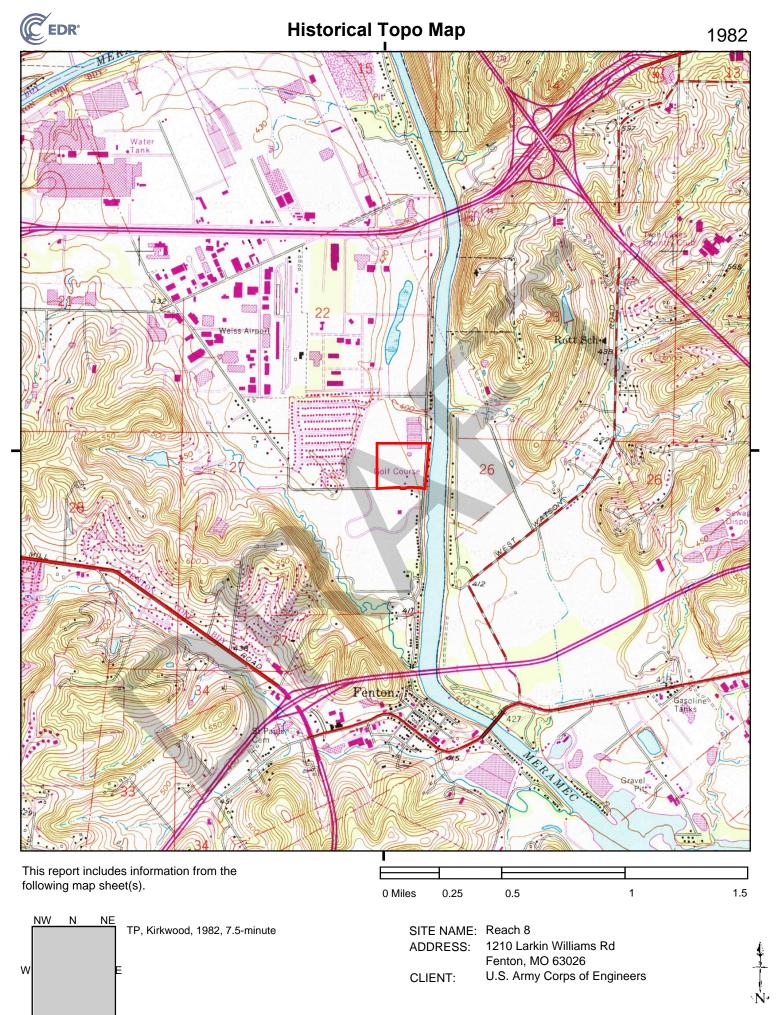


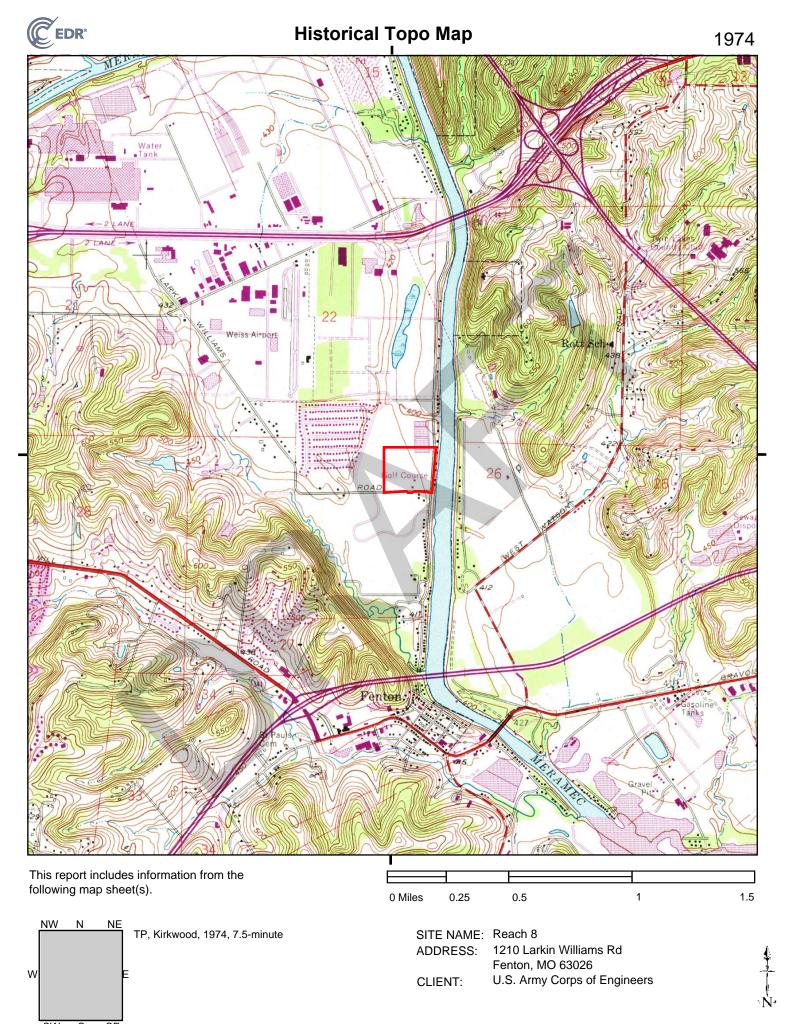
Kirkwood 1940 7.5-minute, 24000

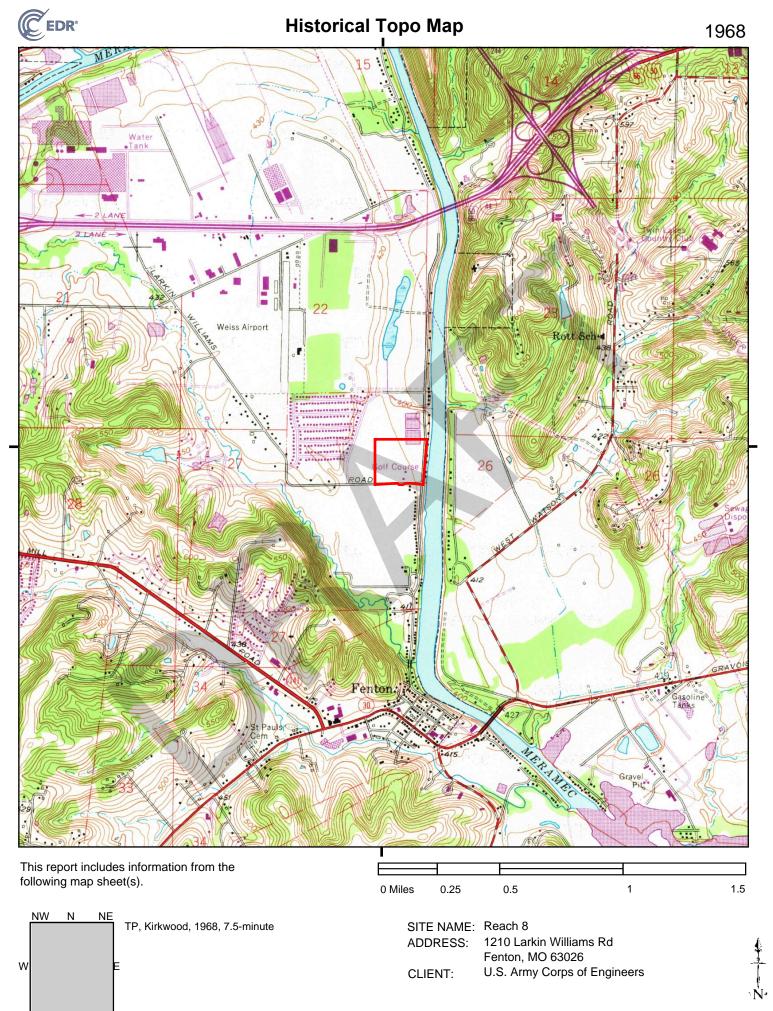


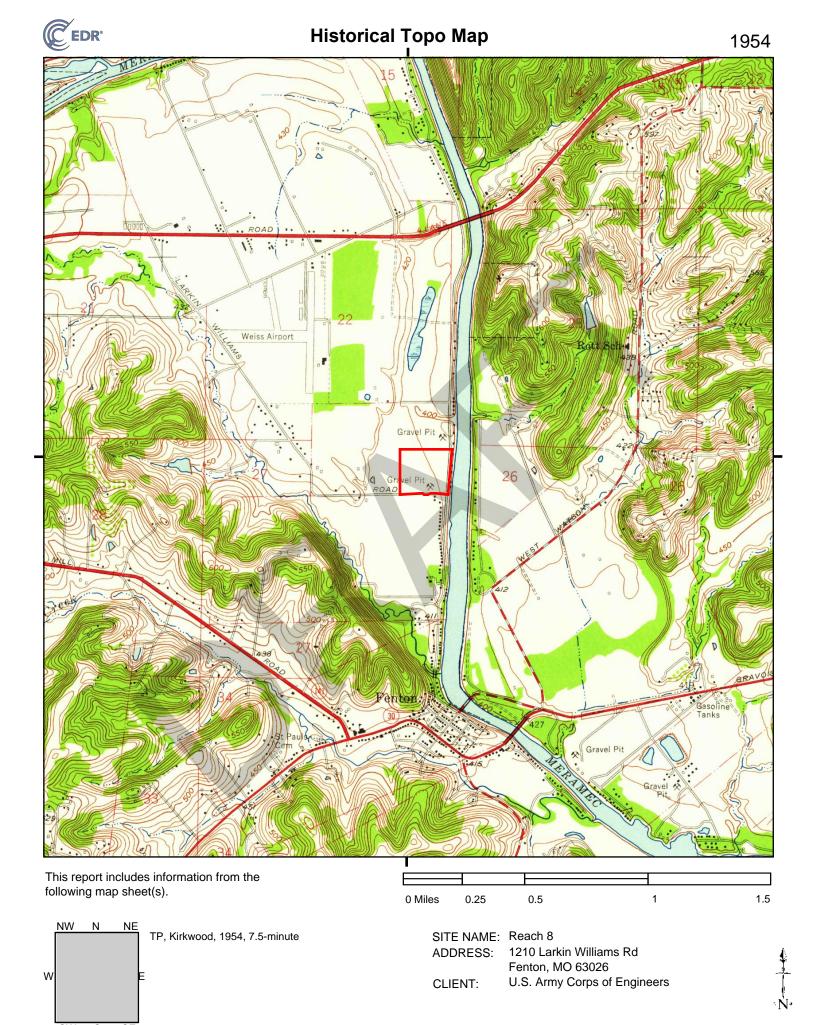


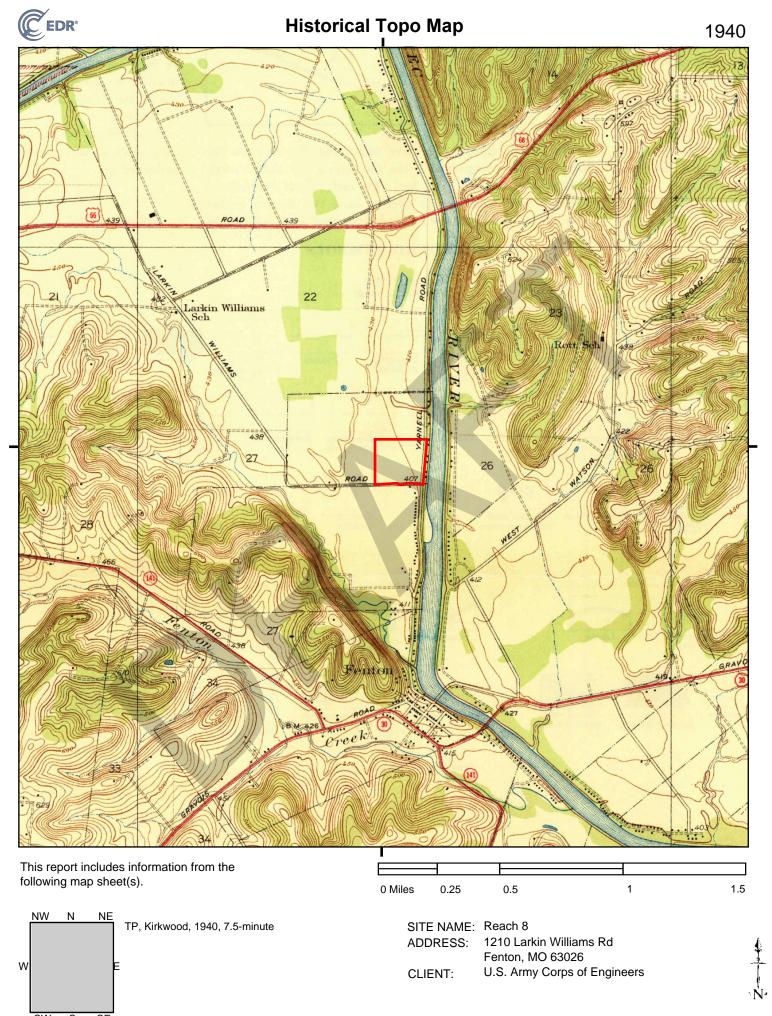












APPENDIX C: ENVIRONMENTAL DATA REPORT

Reach 5 412 Water St Fenton, MO 63026

Inquiry Number: 7466178.2s

October 10, 2023







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

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with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E2247 - 16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E1528 - 22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

412 WATER ST FENTON, MO 63026

COORDINATES

Latitude (North): 38.5140950 - 38° 30′ 50.74″ Longitude (West): 90.4360160 - 90° 26′ 9.65″

Universal Tranverse Mercator: Zone 15 UTM X (Meters): 723552.9 UTM Y (Meters): 4265766.5

Elevation: 415 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 10295933 KIRKWOOD, MO

Version Date: 2017

South Map: 10295943 MAXVILLE, MO

Version Date: 2017

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20200725, 20200713

Source: USDA

MAPPED SITES SUMMARY

Target Property Address: 412 WATER ST FENTON, MO 63026

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	412 WATER STREET	412 WATER STREET	US CDL		TP
Reg	SOUTHWEST JEFFERSON	SLVR LK TRL & THNDR	NPL, SEMS, US ENG CONTROLS, US INST CONTROL	S, RODSame	3393, 0.643, South
A2	FENTON ZEPHYR	65 GRAVOIS	EDR Hist Auto	Lower	1 ft.
B3	BUSH DAVID A	18 GRAVOIS	EDR Hist Auto	Higher	1 ft.
4		227 FERRY STREET	SPILLS	Higher	1 ft.
A5	MIKE'S AUTO REPAIR	64 GRAVOIS RD	LUST, UST	Lower	1 ft.
A6	MIKE'S AUTO REPAIR	64 GRAVOIS RD	RGA LUST	Lower	1 ft.
B7	FENTON TRANSMISSIONS	10 GRAVOIS RD	EDR Hist Auto	Higher	1 ft.
A8	SOUTHWESTERN BELL	211 GRAVIOS	LUST, UST	Higher	1 ft.
B9	J & S CLEANER INC	31 GRAVOIS BLUFF PLA	AIRS, DRYCLEANERS	Higher	1 ft.
A10	SOUTHWESTERN BELL	211 GRAVIOS	RGA LUST	Higher	1 ft.
A11		193 GRAVOIS BLUFF	CDL, SPILLS	Higher	1 ft.
B12	BUSH SERVICE STATION	16 GRAVOIS RD	EDR Hist Auto	Higher	1 ft.
A13	MIKE'S AUTO REPAIR	64 GRAVOIS ROAD	RGA LUST	Lower	1 ft.
A14	HAROLDS STANDARD & T	64 GRAVOIS	EDR Hist Auto	Lower	1 ft.
A15	FENTON AUTO REPAIR	126 GRAVOIS RD	EDR Hist Auto	Lower	12, 0.002, SSE
16	PAUL S STANDARD STAT	198 GRAVOIS RD	EDR Hist Auto	Lower	19, 0.004, South
B17	BUSH DAVID A	6 GRAVOIS	EDR Hist Auto	Higher	54, 0.010, SE
C18	PETRO MART	600 GRAVOIS RD	EDR Hist Auto	Higher	436, 0.083, WSW
C19	PHILLIPS 66 FENTON	600 GRAVOIS RD	LUST, UST	Higher	436, 0.083, WSW
D20	MSD FENTON WASTE WAT	75 OPPS LN	RCRA NonGen / NLR	Lower	471, 0.089, SE
D21	MSD FENTON WASTE WAT	75 OPPS LN	ICIS, FINDS, PFAS ECHO, BIOSOLIDS	Lower	471, 0.089, SE
C22	SHELL OIL CO	611 GRAVOIS	LUST, UST	Higher	563, 0.107, WSW
C23	NEALS SHELL SERVICE	611 GRAVOIS	EDR Hist Auto	Higher	563, 0.107, WSW
E24	KAY'S CLEANERS	54 WESTERN PLAZA	AIRS, DRYCLEANERS	Higher	709, 0.134, West
25	WALMART SUPERCENTER	653 GRAVOIS BLUFFS B	RCRA-SQG	Higher	781, 0.148, SSW
26	AFFTON MOVING & STG	345 S OLD HWY 141	UST	Higher	859, 0.163, SSE
E27	ROLLINS CHEMPAK INC	635 GRAVOIS RD	RCRA NonGen / NLR	Higher	877, 0.166, West
28	CALIBER COLLISION CE	645 E GRAVOIS BLUFFS	RCRA-SQG	Higher	1026, 0.194, South
29	AGCO CABINET SHOP IN	375 S OLD HWY 141	RCRA NonGen / NLR	Higher	1276, 0.242, SSE
F30	FENTON PLAZA 48	48 FENTON PLAZA	VCP, DRYCLEANERS, SMARS	Higher	1335, 0.253, WSW
F31	HN7 MOBIL SERVICE #7	701 GRAVOIS RD	LUST, UST, SPILLS	Higher	1517, 0.287, WSW
32	ROWE OUTLYING FIELD		FUDS	Lower	2052, 0.389, NE
33	FENTON 66	713 GRAVOIS RD	LUST, UST	Higher	2079, 0.394, WSW
34	CHRYSLER DUMP	478 SOUTH HIGHWAY 14	SMARS	Lower	2270, 0.430, SSE
35	TOM & MARILY CARNEY	425 NEW SMIZER RD	LUST, UST	Higher	2362, 0.447, West

TARGET PROPERTY SEARCH RESULTS

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

Site Database(s) EPA ID

412 WATER STREET
412 WATER STREET
FENTON, MO

Database(s)

US CDL

N/A

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superf	fund) sites
Proposed NPL NPL LIENS.	Proposed National Priority List Sites Federal Superfund Liens
Lists of Federal Delisted NP	L sites
Delisted NPL	National Priority List Deletions
Lists of Federal sites subjec	t to CERCLA removals and CERCLA orders
	Federal Facility Site Information listing Superfund Enterprise Management System
Lists of Federal CERCLA site	es with NFRAP
SEMS-ARCHIVE	Superfund Enterprise Management System Archive
Lists of Federal RCRA facilit	ies undergoing Corrective Action
CORRACTS	Corrective Action Report
Lists of Federal RCRA TSD f	acilities
RCRA-TSDF	RCRA - Treatment, Storage and Disposal
Lists of Federal RCRA gener	rators
	RCRA - Large Quantity Generators 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

Federal ERNS list

ERNS..... Emergency Response Notification System

Lists of state- and tribal hazardous waste facilities

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF..... Permitted Facility List

Lists of state and tribal leaking storage tanks

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

Lists of state and tribal registered storage tanks

State and tribal institutional control / engineering control registries

AUL..... Sites with Controls

Lists of state and tribal voluntary cleanup sites

INDIAN VCP...... Voluntary Cleanup Priority Listing

Lists of state and tribal brownfield sites

BROWNFIELDS______ Brownfields Site List

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY______Solid Waste Recycling Facilities
HIST LF_____Solid Waste Facility Database List

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

..... 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

DEL SHWS...... Registry Sites Withdrawn or Deleted

Local Land Records

LIENS 2..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

SPILLS 90...... SPILLS 90 data from FirstSearch

Other Ascertainable Records

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

RMP..... Risk Management Plans

RAATS....... RCRA Administrative Action Tracking System

PRP...... Potentially Responsible Parties

ICIS_____Integrated Compliance Information System

FTTS......FIFŘA/ TSCA Tracking System - FIFŘA (Federal Insecticide, Fungicide, & Rodenticide

Act)/TSCA (Toxic Substances Control Act)

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 MINES MRDS..... Mineral Resources Data System

ABANDONED MINES...... Abandoned Mines

FINDS..... Facility Index System/Facility Registry System ECHO..... Enforcement & Compliance History Information

UXO..... Unexploded Ordnance Sites

DOCKET HWC..... Hazardous Waste Compliance Docket Listing

FUELS PROGRAM..... EPA Fuels Program Registered Listing

PFAS NPL.....Superfund Sites with PFAS Detections Information

PFAS FEDERAL SITES..... Federal Sites PFAS Information PFAS TRIS...... List of PFAS Added to the TRI

PFAS TSCA..... PFAS Manufacture and Imports Information

PFAS RCRA MANIFEST...... PFAS Transfers Identified In the RCRA Database Listing

PFAS ATSDR______ PFAS Contamination Site Location Listing PFAS WQP_____ Ambient Environmental Sampling for PFAS

PFAS NPDES...... Clean Water Act Discharge Monitoring Information

PFAS ECHO FIRE TRAINING Facilities in Industries that May Be Handling PFAS Listing PFAS PART 139 AIRPORT... All Certified Part 139 Airports PFAS Information Listing

PFAS Detections

ASBESTOS______ Asbestos Notification Listing COAL ASH_____ Coal Ash Disposal Sites

Financial Assurance Information Listing

MINES..... Industrial Mineral Mines Database

NPDES..... Permitted Facility Listing

MO RRC..... Certified Hazardous Waste Resource Recovery Facilities

UIC...... Underground Injection Wells Database

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP..... EDR Proprietary Manufactured Gas Plants EDR Hist Cleaners 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

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

Lists of Federal NPL (Superfund) sites

NPL: Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 06/22/2023 has revealed that there is 1 NPL site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SOUTHWEST JEFFERSON Cerclis ID:: 705443	SLVR LK TRL & THNDR	S 1/2 - 1 (0.643 mi.)	0	8
EPA Id: MON000705443				

Lists of Federal RCRA generators

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

A review of the RCRA-SQG list, as provided by EDR, and dated 07/24/2023 has revealed that there are 2 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WALMART SUPERCENTER EPA ID:: MOR000523035	653 GRAVOIS BLUFFS B	SSW 1/8 - 1/4 (0.148 mi.)	25	73
CALIBER COLLISION CE FPA ID: MOR000566703	645 E GRAVOIS BLUFFS	S 1/8 - 1/4 (0.194 mi.)	28	97

Lists of state and tribal leaking storage tanks

LUST: Leaking Underground Storage Tanks.

A review of the LUST list, as provided by EDR, and dated 05/31/2023 has revealed that there are 7 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SOUTHWESTERN BELL Facility Id: ST0002522 Date Of NFA Letter From DNR: 1990-09-	211 GRAVIOS 06 00:00:00	0 - 1/8 (0.000 mi.)	A8	36
PHILLIPS 66 FENTON Facility Id: ST0013300	600 GRAVOIS RD	WSW 0 - 1/8 (0.083 mi.)	C19	46
SHELL OIL CO	611 GRAVOIS	WSW 0 - 1/8 (0.107 mi.)	C22	59

Facility Id: ST0012920

Date Of NFA Letter From DNR: 2009-11-02 00:00:00

MIKE'S AUTO REPAIR	64 GRAVOIS RD	0 - 1/8 (0.000 mi.)	A5	29
Lower Elevation	Address	Direction / Distance	Map ID	Page
TOM & MARILY CARNEY Facility Id: ST5800529	425 NEW SMIZER RD	W 1/4 - 1/2 (0.447 mi.)	35	136
FENTON 66 Facility Id: ST0012352	713 GRAVOIS RD	WSW 1/4 - 1/2 (0.394 mi.)	33	127
HN7 MOBIL SERVICE #7 Facility Id: ST0012404	701 GRAVOIS RD	WSW 1/4 - 1/2 (0.287 mi.)	F31	106
Date Of M A Letter From DM. 20	700 11 02 00.00.00			

Facility Id: ST0001103

Date Of NFA Letter From DNR: 2006-06-09 00:00:00

Lists of state and tribal registered storage tanks

UST: Underground Storage Tank Information.

A review of the UST list, as provided by EDR, and dated 05/31/2023 has revealed that there are 5 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SOUTHWESTERN BELL Facility Id: ST0002522 Tank Status: Removed	211 GRAVIOS	0 - 1/8 (0.000 mi.)	A8	36
PHILLIPS 66 FENTON Facility Id: ST0013300 Tank Status: Curently in use	600 GRAVOIS RD	WSW 0 - 1/8 (0.083 mi.)	C19	46
SHELL OIL CO Facility Id: ST0012920 Tank Status: Removed	611 GRAVOIS	WSW 0 - 1/8 (0.107 mi.)	C22	59
AFFTON MOVING & STG Facility Id: ST0001096 Tank Status: Removed	345 S OLD HWY 141	SSE 1/8 - 1/4 (0.163 mi.)	26	92
Lower Elevation	Address	Direction / Distance	Map ID	Page
MIKE'S AUTO REPAIR Facility Id: ST0001103 Tank Status: Removed	64 GRAVOIS RD	0 - 1/8 (0.000 mi.)	A5	29

Lists of state and tribal voluntary cleanup sites

VCP: Voluntary Cleanup Program Site Listing.

A review of the VCP list, as provided by EDR, and dated 05/04/2023 has revealed that there is 1 VCP

site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FENTON PLAZA 48	48 FENTON PLAZA	WSW 1/4 - 1/2 (0.253 mi.)	F30	105
Facility Status: Inactive/Withdrawn				

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

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

A review of the CDL list, as provided by EDR, and dated 12/05/2022 has revealed that there is 1 CDL site within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	193 GRAVOIS BLUFF	0 - 1/8 (0.000 mi.)	A11	41
Facility Id: 0301221600CRJ				
Spill Number: 0301221600CRJ				

Records of Emergency Release Reports

SPILLS: Environmental Response Tracking Database

A review of the SPILLS list, as provided by EDR, and dated 12/05/2022 has revealed that there are 2 SPILLS sites within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported Facility Id: 0107271125ADC Spill Number: 0107271125ADC	227 FERRY STREET	0 - 1/8 (0.000 mi.)	4	28
Not reported Facility Id: 0301221600CRJ Spill Number: 0301221600CRJ	193 GRAVOIS BLUFF	0 - 1/8 (0.000 mi.)	A11	41

Other Ascertainable Records

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

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 07/24/2023 has revealed that

there are 3 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ROLLINS CHEMPAK INC EPA ID:: MOP00001390	635 GRAVOIS RD	W 1/8 - 1/4 (0.166 mi.)	E27	94
AGCO CABINET SHOP IN EPA ID:: MOP00001321	375 S OLD HWY 141	SSE 1/8 - 1/4 (0.242 mi.)	29	102
Lower Elevation	Address	Direction / Distance	Map ID	Page
MSD FENTON WASTE WAT EPA ID:: MOR000560409	75 OPPS LN	SE 0 - 1/8 (0.089 mi.)	D20	52

FUDS: 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.

A review of the FUDS list, as provided by EDR, and dated 05/08/2023 has revealed that there is 1 FUDS site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
ROWE OUTLYING FIELD		NE 1/4 - 1/2 (0.389 mi.)	32	127

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

A review of the ROD list, as provided by EDR, and dated 06/22/2023 has revealed that there is 1 ROD site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SOUTHWEST JEFFERSON	SLVR LK TRL & THNDR	S 1/2 - 1 (0.643 mi.)	0	8
EPA ID: MON000705443				

PFAS ECHO: Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

A review of the PFAS ECHO list, as provided by EDR, and dated 07/05/2023 has revealed that there is 1 PFAS ECHO site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
MSD FENTON WASTE WAT	75 OPPS LN	SE 0 - 1/8 (0.089 mi.)	D21	55

AIRS: A listing of Air Pollution Control Program permits.

A review of the AIRS list, as provided by EDR, and dated 03/22/2023 has revealed that there is 1 AIRS site within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page	
J & S CLEANER INC Facility Id: AP200405020	31 GRAVOIS BLUFF PLA	0 - 1/8 (0.000 mi.)	В9	39	
Facility Id: AP200208104					

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

A review of the DRYCLEANERS list, as provided by EDR, and dated 11/30/2017 has revealed that there are 2 DRYCLEANERS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
J & S CLEANER INC Facility Status: Abandoned DC Number: 243	31 GRAVOIS BLUFF PLA	0 - 1/8 (0.000 mi.)	В9	39
KAY'S CLEANERS Facility Status: Abandoned DC Number: 253	54 WESTERN PLAZA	W 1/8 - 1/4 (0.134 mi.)	E24	71

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

A review of the SMARS list, as provided by EDR, and dated 04/04/2023 has revealed that there are 2 SMARS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FENTON PLAZA 48	48 FENTON PLAZA	WSW 1/4 - 1/2 (0.253 mi.)	F30	105
Lower Elevation	Address	Direction / Distance	Map ID	Page
CHRYSLER DUMP	478 SOUTH HIGHWAY 14	SSE 1/4 - 1/2 (0.430 mi.)	34	135

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk

Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 10 EDR Hist Auto sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page	
BUSH DAVID A	18 GRAVOIS	0 - 1/8 (0.000 mi.)	В3	27	
FENTON TRANSMISSIONS	10 GRAVOIS RD	0 - 1/8 (0.000 mi.)	B7	36	
BUSH SERVICE STATION	16 GRAVOIS RD	0 - 1/8 (0.000 mi.)	B12	43	
BUSH DAVID A	6 GRAVOIS	SE 0 - 1/8 (0.010 mi.)	B17	44	
PETRO MART	600 GRAVOIS RD	WSW 0 - 1/8 (0.083 mi.)	C18	45	
NEALS SHELL SERVICE	611 GRAVOIS	WSW 0 - 1/8 (0.107 mi.)	C23	71	
Lower Elevation	Address	Direction / Distance	Map ID	Page	
FENTON ZEPHYR	65 GRAVOIS	0 - 1/8 (0.000 mi.)	A2	27	
HAROLDS STANDARD & T	64 GRAVOIS	0 - 1/8 (0.000 mi.)	A14	43	
FENTON AUTO REPAIR	126 GRAVOIS RD	SSE 0 - 1/8 (0.002 mi.)	A15	44	
PAUL S STANDARD STAT	198 GRAVOIS RD	S 0 - 1/8 (0.004 mi.)	16	44	

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LUST: 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.

A review of the RGA LUST list, as provided by EDR, has revealed that there are 3 RGA LUST sites within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SOUTHWESTERN BELL Facility ID: ST0002522	211 GRAVIOS	0 - 1/8 (0.000 mi.)	A10	41
Lower Elevation	Address	Direction / Distance	Map ID	Page
MIKE'S AUTO REPAIR Facility ID: ST0001103	64 GRAVOIS RD	0 - 1/8 (0.000 mi.)	A6	35
MIKE'S AUTO REPAIR Facility ID: ST0001103	64 GRAVOIS ROAD	0 - 1/8 (0.000 mi.)	A13	43

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

Site Name

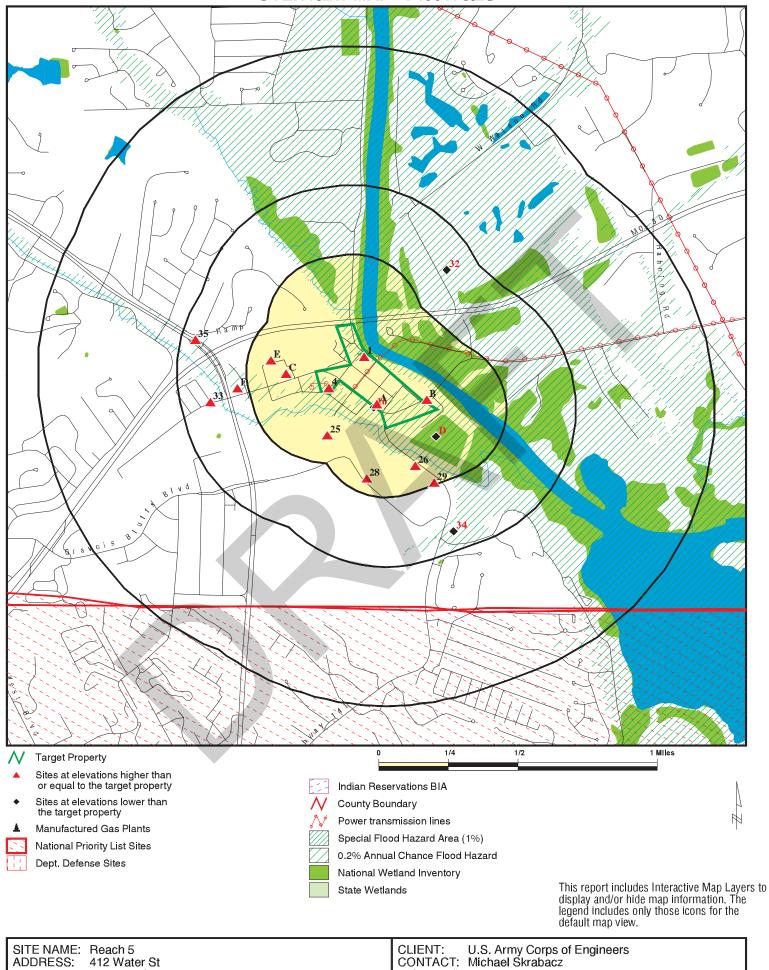
FENTON LOGISTICS PARK FENTON LOGISTICS BUILDING V

WINTERS BROTHER PARK GREGORY COURT SUBDIVISION

Database(s)

VCP, BROWNFIELDS, SMARS AUL, VCP, BROWNFIELDS, NPDES, SMARS SEMS-ARCHIVE SEMS-ARCHIVE

OVERVIEW MAP - 7466178.2S



Fenton MO 63026

38.514095 / 90.436016

LAT/LONG:

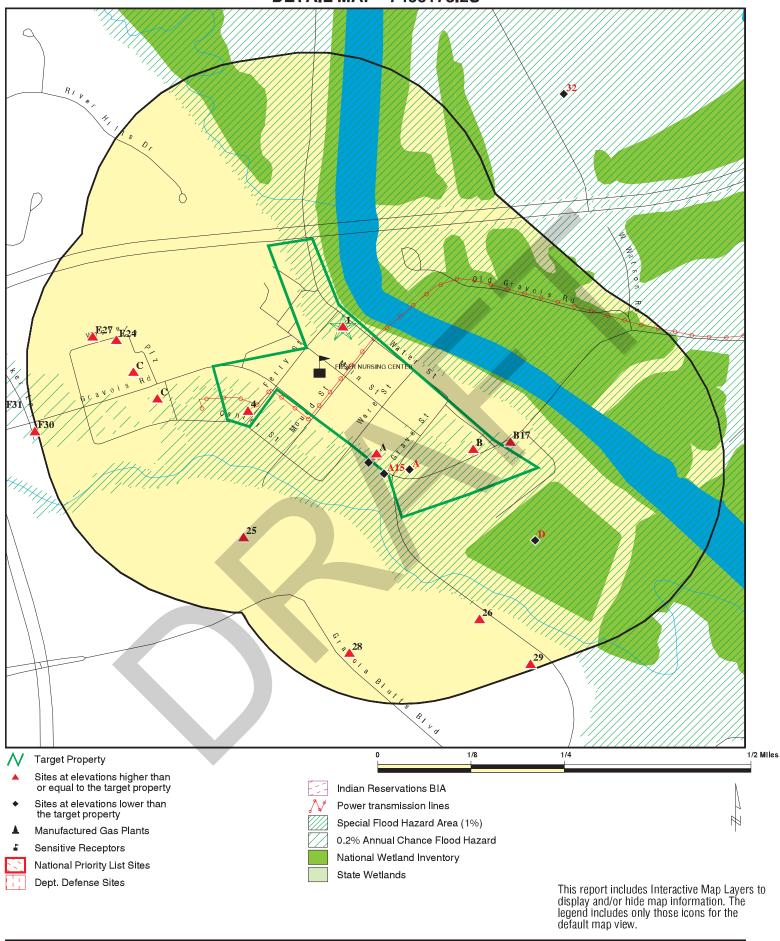
October 10, 2023 4:12 pm

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INQUIRY#: 7466178.2s

DATE:

DETAIL MAP - 7466178.2S



 SITE NAME:
 Reach 5
 CLIENT:
 U.S. Army Corps of Engineers

 ADDRESS:
 412 Water St
 CONTACT:
 Michael Skrabacz

 Fenton MO 63026
 INQUIRY #:
 7466178.2s

 LAT/LONG:
 38.514095 / 90.436016
 DATE:
 October 10, 2023 4:13 pm

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	>1	Total Plotted
STANDARD ENVIRONMENTA	AL RECORDS							
Lists of Federal NPL (Sup	erfund) sites	;						
NPL Proposed NPL NPL LIENS	1.000 1.000 1.000		0 0 0	0 0 0	0 0 0	1 0 0	NR NR NR	1 0 0
Lists of Federal Delisted I	NPL sites							
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subj CERCLA removals and Cl		rs						
FEDERAL FACILITY SEMS	0.500 0.500		0 0	0	0	NR NR	NR NR	0 0
Lists of Federal CERCLA	sites with NI	FRAP						
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA fac undergoing Corrective Ac								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TS	D facilities							
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA gen	nerators							
RCRA-LQG RCRA-SQG RCRA-VSQG	0.250 0.250 0.250		0 0 0	0 2 0	NR NR NR	NR NR NR	NR NR NR	0 2 0
Federal institutional contrengineering controls regis								
LUCIS US ENG CONTROLS US INST CONTROLS	0.500 0.500 0.500		0 0 0	0 0 0	0 0 0	NR NR NR	NR NR NR	0 0 0
Federal ERNS list								
ERNS Lists of state- and tribal	0.001		0	NR	NR	NR	NR	0
hazardous waste facilities			0	0	0	•	ND	0
SHWS Lists of state and tribal la	1.000 ndfills		0	0	0	0	NR	0
and solid waste disposal								
SWF/LF	0.500		0	0	0	NR	NR	0
Lists of state and tribal lea	aking storag	e tanks						
LAST	0.500		0	0	0	NR	NR	0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	<u>1/2 - 1</u>	> 1	Total Plotted
LUST INDIAN LUST	0.500 0.500		4 0	0 0	3 0	NR NR	NR NR	7 0
Lists of state and tribal re	egistered sto	rage tanks						
FEMA UST UST AST INDIAN UST TANKS	0.250 0.250 0.250 0.250 0.250		0 4 0 0	0 1 0 0	NR NR NR NR NR	NR NR NR NR NR	NR NR NR NR NR	0 5 0 0
State and tribal institutio control / engineering con		25						
AUL	0.500		0	0	0	NR	NR	0
Lists of state and tribal v		anup sites	· ·		· ·			· ·
VCP INDIAN VCP	0.500 0.500		0	0 0	1 0	NR NR	NR NR	1 0
Lists of state and tribal b	rownfield sit	es						
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMEN	TAL RECORD	<u>s</u>						
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / S			0	U	U	INIX	INIX	U
Waste Disposal Sites								
SWRCY HIST LF INDIAN ODI ODI DEBRIS REGION 9 IHS OPEN DUMPS	0.500 0.500 0.500 0.500 0.500 0.500		0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	NR NR NR NR NR	NR NR NR NR NR NR	0 0 0 0 0
Local Lists of Hazardous Contaminated Sites	waste /							
US HIST CDL CDL DEL SHWS US CDL	0.001 0.001 1.000 0.001	1	0 1 0 0	NR NR 0 NR	NR NR 0 NR	NR NR 0 NR	NR NR NR NR	0 1 0 1
Local Land Records								
LIENS 2	0.001		0	NR	NR	NR	NR	0
Records of Emergency R	Release Repo	rts						
HMIRS SPILLS SPILLS 90	0.001 0.001 0.001		0 2 0	NR NR NR	NR NR NR	NR NR NR	NR NR NR	0 2 0
Other Ascertainable Rec	ords							
RCRA NonGen / NLR	0.250		1	2	NR	NR	NR	3

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FUDS	1.000		0	0	1	0	NR	1
DOD	1.000		Ŏ	Ö	Ö	Õ	NR	Ö
SCRD DRYCLEANERS	0.500		Ö	Ō	0	NR	NR	0
US FIN ASSUR	0.001		Ö	NR	NR	NR	NR	Ö
EPA WATCH LIST	0.001		Ö	NR	NR	NR	NR	Ö
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	1	NR	1
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 INDIAN RESERV	1.000 1.000		0	0	0	0 0	NR NR	0 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		Ö	NR	NR	NR	NR	ő
US MINES	0.250		Ö	0	NR	NR	NR	Ö
MINES MRDS	0.250		Ö	Ö	NR	NR	NR	Ö
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	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
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0
PFAS TRIS	0.250		0	0	NR	NR	NR	0
PEAS ISCA	0.250		0	0	NR	NR	NR	0
PFAS RCRA MANIFEST PFAS ATSDR	0.250		0	0	NR	NR	NR	0
	0.250		0	0	NR	NR	NR	0
PFAS WQP PFAS NPDES	0.250 0.250		0 0	0 0	NR NR	NR NR	NR NR	0 0
PFAS ECHO	0.250		1	0	NR	NR	NR	1
PFAS ECHO FIRE TRAININ			0	0	NR NR	NR	NR	0
PFAS PART 139 AIRPORT			0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
BIOSOLIDS	0.001		0	NR	NR	NR	NR	ő
PFAS	0.250		Ö	0	NR	NR	NR	Ö

	Search Distance	Target						Total
Database	(Miles)	Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Plotted
AIRS	0.001		1	NR	NR	NR	NR	1
ASBESTOS	0.001		0	NR	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
DRYCLEANERS	0.250		1	1	NR	NR	NR	2
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	2	NR	NR	2
UIC	0.001		0	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICA	L RECORDS							
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		10	NR	NR	NR	NR	10
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERN	MENT ADCUIV	Ee						
EDR RECOVERED GOVERN	WENT ARCHIV	<u> </u>						
Exclusive Recovered Gov	t. Archives							
RGA HWS	0.001		0	NR	NR	NR	NR	0
RGA LF	0.001		Ö	NR	NR	NR	NR	0
RGA LUST	0.001		3	NR	NR	NR	NR	3
	3.331			(J
- Totals		1	28	6	7	2	0	44

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Direction Distance

Actual:

3393 ft.

415 ft.

Distance Elevation Site EDR ID Number

Database(s) EPA ID Number

1 412 WATER STREET US CDL 1012202153
Target 412 WATER STREET N/A

Property FENTON, MO

US CDL:

Address: 412 WATER ST City: FENTON

State: MO Seizure Date: 11/21/2005

Address: 412 WATER STREET

City: FENTON
State: MO
Seizure Date: 10/24/2006

NPL SOUTHWEST JEFFERSON COUNTY MINING
Region SLVR LK TRL & THNDR RDG RD,.5M W HWY WW

South JEFFERSON COUNTY, MO 63023 1/2-1

NPL 1009805672 SEMS MON000705443

US ENG CONTROLS
US INST CONTROLS
ROD

NPL:

EPA Region:

EPA ID: MON000705443

Site ID: 705443

Name: SOUTHWEST JEFFERSON COUNTY MINING
Address: SLVR LK TRL & THNDR RDG RD,.5M W HWY WW

City, State, Zip: JEFFERSON COUNTY, MO 63023

Federal:

 Final Date:
 2009-09-23 00:00:00

 Latitude:
 38.18679399999999

 Longitude:
 -90.758975000000007

 Site Score:
 70.709999999999994

NAI: Not reported Native American Entity: Not reported

Narr:

Site Name: Southwest Jefferson County Mining

Site EPA ID: MON000705443
Listing Date: 9/23/2009
Site Score: 70.71
Federal Facility Indicator: No

Site List URL: https://semspub.epa.gov/src/document/07/30296030

Site Progress URL: https://cumulis.epa.gov/supercpad/cursites/csitinfo.cfm?id=0705443 Federal Register URL: http://www.gpo.gov/fdsys/pkg/FR-2009-09-23/pdf/E9-22934.pdf

Site Location URL: https://epa.maps.arcgis.com/apps/webappviewer/index.html?id=33cebcdfdd

1b4c3a8b51d416956c41f1&query=Superfund_National_Priorities_List__NPL__ Sites_with_Status_Information_7557,SITE_EPA_ID=%27MON000705443%27

SEMS:

Site ID: 0705443 EPA ID: MON000705443

Name: SOUTHWEST JEFFERSON COUNTY MINING

Address: SLVR LK TRL & THNDR RDG RD,.5M W HWY WW

Address 2: Not reported

City, State, Zip: JEFFERSON COUNTY, MO 63023

Cong District: 03 FIPS Code: 29099

Direction Distance

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

SOUTHWEST JEFFERSON COUNTY MINING (Continued)

1009805672

Latitude: 38.186794 Longitude: -90.758975 Ν

FF:

NPL: Currently on the Final NPL

Non NPL Status: Not reported

SEMS Detail:

07 Region: Site ID: 0705443 EPA ID: MON000705443

SOUTHWEST JEFFERSON COUNTY MINING Site Name:

NPL: FF: Ν OU: 00 Action Code: AR

Action Name: ADMIN REC

SEQ:

Start Date: 2006-11-13 05:00:00 Finish Date: Not reported

Qual:

Current Action Lead: EPA Perf In-Hse

07 Region: Site ID: 0705443 EPA ID: MON000705443

Site Name: SOUTHWEST JEFFERSON COUNTY MINING

NPL: FF: Ν OU: 04 Action Code: ED Action Name: R/H ASMT

SEQ:

2012-04-24 04:00:00 Start Date: 2014-04-08 05:00:00 Finish Date: Not reported Qual: EPA Perf In-Hse Current Action Lead:

Region: Site ID: 0705443 MON000705443 EPA ID:

SOUTHWEST JEFFERSON COUNTY MINING Site Name:

NPL: FF: Ν OU: 00 Action Code: HX Action Name: PRE-CERC SEQ:

2006-08-02 04:00:00 Start Date: Finish Date: 2007-10-15 04:00:00 Not reported Qual: **Current Action Lead: EPA** Perf

Region: 07 Site ID: 0705443 EPA ID: MON000705443

Site Name: SOUTHWEST JEFFERSON COUNTY MINING

NPL: FF: Ν

Direction Distance

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

SOUTHWEST JEFFERSON COUNTY MINING (Continued)

1009805672

OU: 00 Action Code: DS Action Name: **DISCVRY**

SEQ:

Start Date: 2006-07-15 04:00:00 Finish Date: 2006-07-15 04:00:00 Not reported Qual: Current Action Lead: EPA Perf

Region: 07 Site ID: 0705443 EPA ID: MON000705443

Site Name: SOUTHWEST JEFFERSON COUNTY MINING

NPL: FF: Ν OU: 00 Action Code: RS

Action Name: **RV ASSESS**

SEQ:

2006-11-13 05:00:00 Start Date: Finish Date: 2007-10-15 04:00:00

Not reported Qual: Current Action Lead: **EPA Perf**

07 Region: 0705443 Site ID: EPA ID: MON000705443

Site Name: SOUTHWEST JEFFERSON COUNTY MINING

NPL: FF: Ν OU: 00 Action Code: RV Action Name: **RMVL** SEQ:

2007-10-01 04:00:00 Start Date: Finish Date: Not reported

Qual: Current Action Lead: **EPA Perf**

Region: 07 0705443 Site ID: EPA ID: MON000705443

Site Name: SOUTHWEST JEFFERSON COUNTY MINING

NPL: F FF: Ν OU: 00 Action Code: NF **NPL FINL** Action Name: SEQ:

Start Date: 2009-09-23 04:00:00 Finish Date: 2009-09-23 04:00:00 Qual: Not reported Current Action Lead: **EPA Perf**

Region: 07 Site ID: 0705443 EPA ID: MON000705443

Direction Distance

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

SOUTHWEST JEFFERSON COUNTY MINING (Continued)

1009805672

SOUTHWEST JEFFERSON COUNTY MINING Site Name:

NPL: F FF: Ν OU: 00 Action Code: PΑ Action Name: PΑ SEQ:

Start Date: 2008-01-29 05:00:00 Finish Date: 2008-05-13 04:00:00

Qual: **Current Action Lead: EPA Perf**

Region: 07 0705443 Site ID: EPA ID: MON000705443

SOUTHWEST JEFFERSON COUNTY MINING Site Name:

NPL: F FF: Ν OU: 00 Action Code: CR Action Name: CI SEQ:

2008-03-20 04:00:00 Start Date: Finish Date: Not reported Not reported Qual: **EPA** Perf **Current Action Lead:**

Region: 07 0705443 Site ID: EPA ID: MON000705443

SOUTHWEST JEFFERSON COUNTY MINING Site Name:

NPL: FF: Ν OU: 00 Action Code: HXAction Name: PRE-CERC

SEQ:

Start Date: 2007-10-15 04:00:00 Finish Date: 2007-10-15 04:00:00 Qual: Not reported Current Action Lead: EPA Perf

Region: 07 Site ID: 0705443 EPA ID: MON000705443

Site Name: SOUTHWEST JEFFERSON COUNTY MINING

NPL: FF: Ν OU: 00 Action Code: SI Action Name: SI SEQ:

Start Date: 2008-05-23 04:00:00 Finish Date: 2009-01-15 05:00:00

Qual: Current Action Lead: **EPA Perf**

Direction Distance

Elevation Site Database(s) EPA ID Number

SOUTHWEST JEFFERSON COUNTY MINING (Continued)

1009805672

EDR ID Number

 Region:
 07

 Site ID:
 0705443

 EPA ID:
 MON000705443

Site Name: SOUTHWEST JEFFERSON COUNTY MINING

 NPL:
 F

 FF:
 N

 OU:
 00

 Action Code:
 HR

 Action Name:
 HAZRANK

SEQ: 1

 Start Date:
 2009-04-09 04:00:00

 Finish Date:
 2009-04-09 04:00:00

Qual: O
Current Action Lead: EPA Perf

 Region:
 07

 Site ID:
 0705443

 EPA ID:
 MON000705443

Site Name: SOUTHWEST JEFFERSON COUNTY MINING

 NPL:
 F

 FF:
 N

 OU:
 03

 Action Code:
 CO

 Action Name:
 RI/FS

 SEQ:
 3

 Start Date:
 2010-04-07 04:00:00

 Finish Date:
 2012-09-12 05:00:00

 Qual:
 Not reported

Current Action Lead: Rot Teport

EPA Perf

Region: 07
Site ID: 0705443
EPA ID: MON000705443

Site Name: SOUTHWEST JEFFERSON COUNTY MINING

 NPL:
 F

 FF:
 N

 OU:
 03

 Action Code:
 RO

 Action Name:
 ROD

 SEQ:
 3

 Start Date:
 2012-09-12 05:00:00

 Finish Date:
 2012-09-12 05:00:00

 Qual:
 Not reported

 Current Action Lead:
 EPA Perf

 Region:
 07

 Site ID:
 0705443

 EPA ID:
 MON000705443

Site Name: SOUTHWEST JEFFERSON COUNTY MINING

 NPL:
 F

 FF:
 N

 OU:
 03

 Action Code:
 RD

 Action Name:
 RD

 SEQ:
 3

 Start Date:
 2012-09-24 05:00:00

 Finish Date:
 2012-12-12 05:00:00

Direction Distance

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

SOUTHWEST JEFFERSON COUNTY MINING (Continued)

1009805672

Qual: Not reported Current Action Lead: EPA Perf

Region: 07 Site ID: 0705443 EPA ID: MON000705443

Site Name: SOUTHWEST JEFFERSON COUNTY MINING

NPL: FF: Ν OU: 03 Action Code: RA Action Name: RA SEQ:

Start Date: 2013-09-27 05:00:00 2015-09-30 05:00:00 Finish Date:

Qual: Not reported EPA Perf **Current Action Lead:**

Region: 07 0705443 Site ID: EPA ID: MON000705443

Site Name: SOUTHWEST JEFFERSON COUNTY MINING

NPL: FF: Ν OU: 02 Action Code: RV Action Name: **RMVL** SEQ:

2008-05-05 04:00:00 Start Date: 2013-12-19 05:00:00 Finish Date:

Qual: **EPA Perf Current Action Lead:**

Region: 07 0705443 Site ID: EPA ID: MON000705443

Site Name: SOUTHWEST JEFFERSON COUNTY MINING

NPL: F FF: Ν OU: 03 Action Code: RV Action Name: **RMVL** SEQ:

Start Date: 2008-07-14 05:00:00 Finish Date: 2013-12-19 05:00:00

Qual: С

Current Action Lead: EPA Perf

Region: 07 Site ID: 0705443 EPA ID: MON000705443

SOUTHWEST JEFFERSON COUNTY MINING Site Name:

NPL: FF: Ν OU: 01 Action Code: CO Action Name: RI/FS

Direction Distance

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

SOUTHWEST JEFFERSON COUNTY MINING (Continued)

1009805672

SEQ:

Start Date: 2010-04-07 04:00:00 Finish Date: 2012-09-12 05:00:00 Qual: Not reported **EPA Perf** Current Action Lead:

Region: 07 Site ID: 0705443 EPA ID: MON000705443

Site Name: SOUTHWEST JEFFERSON COUNTY MINING

NPL: FF: Ν OU: 01 Action Code: RO ROD Action Name: SEQ:

2012-09-12 05:00:00 Start Date: Finish Date: 2012-09-12 05:00:00 Qual: Not reported Current Action Lead: EPA Perf

Region: 07 0705443 Site ID: EPA ID: MON000705443

SOUTHWEST JEFFERSON COUNTY MINING Site Name:

NPL: F FF: Ν OU: 01 Action Code: RD Action Name: RD SEQ:

2012-09-24 05:00:00 Start Date: Finish Date: 2013-07-22 04:00:00 Qual: Not reported **EPA Perf** Current Action Lead:

Region: 07 Site ID: 0705443 MON000705443 EPA ID:

Site Name: SOUTHWEST JEFFERSON COUNTY MINING

NPL: Ν FF: OU: 01 Action Code: RA Action Name: RA SEQ:

Start Date: 2013-09-27 05:00:00 2018-09-28 05:00:00 Finish Date: Not reported Qual: EPA Perf **Current Action Lead:**

07 Region: Site ID: 0705443 EPA ID: MON000705443

Site Name: SOUTHWEST JEFFERSON COUNTY MINING

NPL: FF: Ν

Direction Distance

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

SOUTHWEST JEFFERSON COUNTY MINING (Continued)

1009805672

OU: 02 Action Code: CO Action Name: RI/FS SEQ:

Start Date: 2010-04-07 04:00:00 Finish Date: 2012-09-12 05:00:00 Not reported Qual: Current Action Lead: EPA Perf

Region: 07 Site ID: 0705443 EPA ID: MON000705443

Site Name: SOUTHWEST JEFFERSON COUNTY MINING

NPL: FF: Ν OU: 02 Action Code: RO Action Name: ROD SEQ:

2012-09-12 05:00:00 Start Date: Finish Date: 2012-09-12 05:00:00

Not reported Qual: Current Action Lead: **EPA Perf**

07 Region: 0705443 Site ID: EPA ID: MON000705443

Site Name: SOUTHWEST JEFFERSON COUNTY MINING

NPL: FF: Ν OU: 02 Action Code: RD Action Name: RD SEQ:

Start Date: 2012-09-24 05:00:00 Finish Date: 2012-12-12 05:00:00 Qual: Not reported Current Action Lead: **EPA Perf**

07 Region: 0705443 Site ID: EPA ID: MON000705443

SOUTHWEST JEFFERSON COUNTY MINING Site Name:

NPL: FF: Ν OU: 02 Action Code: RΑ Action Name: RA SEQ:

Start Date: 2013-09-27 05:00:00 Finish Date: 2015-09-30 05:00:00 Qual: Not reported Current Action Lead: **EPA Perf**

Region: 07 Site ID: 0705443 EPA ID: MON000705443

Direction Distance

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

SOUTHWEST JEFFERSON COUNTY MINING (Continued)

1009805672

SOUTHWEST JEFFERSON COUNTY MINING Site Name:

NPL: F FF: Ν OU: 00 Action Code: NP

PROPOSED Action Name:

SEQ:

Start Date: 2009-04-09 04:00:00 Finish Date: 2009-04-09 04:00:00 Qual: Not reported EPA Perf **Current Action Lead:**

07 Region: Site ID: 0705443 EPA ID: MON000705443

SOUTHWEST JEFFERSON COUNTY MINING Site Name:

NPL: F FF: Ν OU: 04 Action Code: ED R/H ASMT Action Name:

SEQ:

2012-09-13 05:00:00 Start Date: Finish Date: Not reported Not reported Qual: **EPA** Perf **Current Action Lead:**

Region: 07 0705443 Site ID: EPA ID: MON000705443

SOUTHWEST JEFFERSON COUNTY MINING Site Name:

NPL: FF: Ν OU: 00 Action Code: TA

Action Name: TECH ASSIST

SEQ:

2013-06-21 05:00:00 Start Date: Finish Date: Not reported Not reported Qual: Current Action Lead: EPA Perf

Region: 07 Site ID: 0705443 EPA ID: MON000705443

Site Name: SOUTHWEST JEFFERSON COUNTY MINING

NPL: FF: Ν OU: 04 Action Code: TS

Action Name: **TRTSTUDY**

SEQ:

Start Date: 2015-08-17 05:00:00 Finish Date: 2018-11-16 06:00:00 Qual: Not reported Current Action Lead: **EPA Perf**

Direction Distance

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

SOUTHWEST JEFFERSON COUNTY MINING (Continued)

1009805672

Region: 07 Site ID: 0705443 EPA ID: MON000705443

Site Name: SOUTHWEST JEFFERSON COUNTY MINING

NPL: FF: Ν OU: 00 Action Code: FΕ Action Name: 5 YEAR SEQ:

Start Date: 2019-05-30 04:00:00 Finish Date: 2020-06-19 05:00:00 Not reported Qual: **Current Action Lead: EPA Perf**

07 Region: Site ID: 0705443 EPA ID: MON000705443

SOUTHWEST JEFFERSON COUNTY MINING Site Name:

NPL: FF: Ν OU: 04 Action Code: RS

RV ASSESS Action Name:

SEQ:

2015-02-27 05:00:00 Start Date: Finish Date: 2015-06-15 04:00:00 Qual: Not reported **Current Action Lead: EPA Perf**

Region: 07 Site ID: 0705443 MON000705443 EPA ID:

SOUTHWEST JEFFERSON COUNTY MINING Site Name:

NPL: F FF: Ν OU: 08 Action Code: ED Action Name: R/H ASMT

SEQ:

2015-02-25 05:00:00 Start Date: Finish Date: Not reported Qual: Not reported EPA Perf Current Action Lead:

Region: 07 Site ID: 0705443 EPA ID: MON000705443

SOUTHWEST JEFFERSON COUNTY MINING Site Name:

NPL: FF: Ν OU: 04 Action Code: RV Action Name: **RMVL** SEQ:

Start Date: 2015-06-29 04:00:00 Finish Date: 2016-09-13 05:00:00

Direction Distance

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

SOUTHWEST JEFFERSON COUNTY MINING (Continued)

1009805672

Qual: S

Current Action Lead: **EPA Perf**

Region: 07 Site ID: 0705443 EPA ID: MON000705443

Site Name: SOUTHWEST JEFFERSON COUNTY MINING

NPL: FF: Ν OU: 04 Action Code: TS

Action Name: **TRTSTUDY**

SEQ:

2017-05-15 05:00:00 Start Date: Not reported Finish Date: Not reported Qual: EPA Perf **Current Action Lead:**

Region: 07 Site ID: 0705443 EPA ID: MON000705443

Site Name: SOUTHWEST JEFFERSON COUNTY MINING

NPL: FF: Ν OU: 04 Action Code: RS

Action Name: **RV ASSESS**

SEQ:

Start Date: 2016-03-23 04:00:00 2016-08-18 05:00:00 Finish Date: Qual: Not reported **Current Action Lead: EPA Perf**

Region: 07 0705443 Site ID: EPA ID: MON000705443

Site Name: SOUTHWEST JEFFERSON COUNTY MINING

NPL: F FF: Ν OU: 05 Action Code: CO Action Name: RI/FS SEQ:

Start Date: 2011-08-30 04:00:00 Finish Date: Not reported Not reported Qual: Current Action Lead: **EPA Perf**

Region: 07 Site ID: 0705443 EPA ID: MON000705443

SOUTHWEST JEFFERSON COUNTY MINING Site Name:

NPL: FF: Ν OU: 04 Action Code: CO Action Name: RI/FS

Direction Distance

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

SOUTHWEST JEFFERSON COUNTY MINING (Continued)

SEQ: 5

Start Date: 2012-04-24 04:00:00 Finish Date: Not reported Qual: Not reported **EPA Perf** Current Action Lead:

Region: 07 Site ID: 0705443 EPA ID: MON000705443

Site Name: SOUTHWEST JEFFERSON COUNTY MINING

NPL: FF: Ν OU: 01 Action Code: RΑ Action Name: RA SEQ:

2018-11-08 06:00:00 Start Date: Finish Date: 2020-09-25 05:00:00 Qual: Not reported Current Action Lead: **EPA Perf**

Region: 07 0705443 Site ID: EPA ID: MON000705443

SOUTHWEST JEFFERSON COUNTY MINING Site Name:

NPL: F FF: Ν OU: 00 Action Code: TA

Action Name: TECH ASSIST

SEQ:

Start Date: Not reported Finish Date: 2019-03-23 05:00:00 Qual: Not reported **EPA Perf** Current Action Lead:

Region: 07 Site ID: 0705443 MON000705443 EPA ID:

Site Name: SOUTHWEST JEFFERSON COUNTY MINING

NPL: F Ν FF: OU: 06 Action Code: CO Action Name: RI/FS SEQ:

2022-08-24 05:00:00 Start Date: Finish Date: Not reported Qual: Not reported EPA Perf **Current Action Lead:**

07 Region: Site ID: 0705443 EPA ID: MON000705443

Site Name: SOUTHWEST JEFFERSON COUNTY MINING

NPL: FF: Ν

TC7466178.2s Page 19

1009805672

Direction Distance

Elevation Site Database(s) EPA ID Number

SOUTHWEST JEFFERSON COUNTY MINING (Continued)

1009805672

EDR ID Number

 OU:
 08

 Action Code:
 CO

 Action Name:
 RI/FS

 SEQ:
 7

Start Date: 2013-09-18 05:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

 Region:
 07

 Site ID:
 0705443

 EPA ID:
 MON000705443

Site Name: SOUTHWEST JEFFERSON COUNTY MINING

 NPL:
 F

 FF:
 N

 OU:
 08

 Action Code:
 RS

Action Name: RV ASSESS

SEQ: 4

Start Date: Not reported Finish Date: 2022-09-30 05:00:00

Qual: Not reported Current Action Lead: EPA Perf

 Region:
 07

 Site ID:
 0705443

 EPA ID:
 MON000705443

Site Name: SOUTHWEST JEFFERSON COUNTY MINING

 NPL:
 F

 FF:
 N

 OU:
 01

 Action Code:
 RA

 Action Name:
 RA

 SEQ:
 8

Start Date: 2019-09-17 05:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

SIte:

Name: SOUTHWEST JEFFERSON COUNTY MINING

Address: SLVR LK TRL & THNDR RDG RD,.5M W HWY WW

Address 2: Not reported

City, State, Zip: JEFFERSON COUNTY, MO 63023

Event Code: Not reported
Action Taken Date: 09/12/2012
EPA ID: MON000705443
Action Name: Record of Decision

Action ID: 1
Operable Unit: 01
Contaminated Media: Soil
Contact Name: Not

Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported

Federal Facility: N Fiscal Year: 2012

Distance
Elevation Site Database(s)

SOUTHWEST JEFFERSON COUNTY MINING (Continued)

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement: N Latitude: 38.18

Latitude: 38.186794 Longitude: -90.758975

Media:

EPA ID: MON000705443

Contaminated Media: Soil
Action ID: 1
Operable Unit: 01

Action Name:
Action Taken Date:

Event Code:
Contact Name:
Contact Telephone:

Event:

Record of Decision
09/12/2012

Not reported
Not reported
Not reported
Not reported

Not reported

Not reported

Federal Facility: N Fiscal Year: 2012

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement: N

Latitude: 38.186794 Longitude: -90.758975

EPA ID: MON000705443
Contaminated Media: Soil

Action ID: 1
Operable Unit: 01

Action Name:

Action Taken Date:

Event Code:

Contact Name:

Contact Telephone:

Event:

Record of Decision

09/12/2012

Not reported

Fiscal Year: 2012

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement: N Latitude: 38.1867

Latitude: 38.186794 Longitude: -90.758975

EPA ID: MON000705443

Contaminated Media: Soil
Action ID: 1
Operable Unit: 01

Action Name:

Action Taken Date:

Event Code:

Contact Name:

Contact Telephone:

Event:

Record of Decision

09/12/2012

Not reported

Not reported

Not reported

Not reported

Not reported

Federal Facility: N Fiscal Year: 2012

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement: N

Latitude: 38.186794 Longitude: -90.758975

EPA ID: MON000705443

1009805672

EDR ID Number

EPA ID Number

MAP FINDINGS Map ID Direction

Contaminated Media:

Action ID:

Operable Unit:

Distance

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

SOUTHWEST JEFFERSON COUNTY MINING (Continued)

Soil 1 01

Action Name: Record of Decision 09/12/2012 Action Taken Date: **Event Code:** Not reported Contact Name: Not reported Contact Telephone: Not reported Event: Not reported

Federal Facility: 2012 Fiscal Year:

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement:

Latitude: 38.186794 -90.758975 Longitude:

MON000705443 EPA ID:

Contaminated Media: Soil Action ID: Operable Unit: 01

Record of Decision Action Name: Action Taken Date: 09/12/2012 **Event Code:** Not reported Contact Name: Not reported

Not reported Contact Telephone: Not reported Event: Federal Facility:

Fiscal Year: 2012

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement:

Latitude: 38.186794 Longitude: -90.758975

MON000705443 EPA ID:

Contaminated Media: Soil Action ID: 2 Operable Unit: 02

Action Name: Record of Decision Action Taken Date: 09/12/2012 Not reported Event Code: Not reported Contact Name: Contact Telephone: Not reported Event: Not reported

Federal Facility: Fiscal Year: 2012

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement:

38.186794 Latitude: Longitude: -90.758975

MON000705443 EPA ID:

Contaminated Media: Soil Action ID: 2 Operable Unit: 02

Record of Decision Action Name: Action Taken Date: 09/12/2012 Event Code: Not reported

1009805672

Distance Elevation Sit

Site Database(s) EPA ID Number

SOUTHWEST JEFFERSON COUNTY MINING (Continued)

1009805672

EDR ID Number

Contact Name: Not reported Contact Telephone: Not reported Event: Not reported

Federal Facility: N Fiscal Year: 2012

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement: N

Latitude: 38.186794 Longitude: -90.758975

EPA ID: MON000705443

Contaminated Media: Soil Action ID: 2
Operable Unit: 02

Action Name:

Action Taken Date:

Event Code:

Contact Name:

Contact Telephone:

Event:

Record of Decision

09/12/2012

Not reported

Not reported

Not reported

Not reported

Not reported

Federal Facility: N Fiscal Year: 2012

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement:

Latitude: 38.186794 Longitude: -90.758975

EPA ID: MON000705443

Contaminated Media: Soil
Action ID: 2
Operable Unit: 02

Action Name:

Action Taken Date:

Event Code:

Contact Name:

Contact Telephone:

Event:

Action Taken Date:

09/12/2012

Not reported

Not reported

Not reported

Not reported

Not reported

Federal Facility: N Fiscal Year: 2012

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement: N

Latitude: 38.186794 Longitude: -90.758975

EPA ID: MON000705443

Contaminated Media: Soil
Action ID: 2
Operable Unit: 02

Action Name: Record of Decision
Action Taken Date: 09/12/2012
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported

Federal Facility: N Fiscal Year: 2012

Event:

NPL Status: Currently on the Final NPL

Not reported

Distance Elevation Site

Site Database(s) EPA ID Number

SOUTHWEST JEFFERSON COUNTY MINING (Continued)

Superfund Alternative Agreement: N

Latitude: 38.186794 Longitude: -90.758975

EPA ID: MON000705443

Contaminated Media: Soil Action ID: 3
Operable Unit: 03

Action Name:

Action Taken Date:

Event Code:

Contact Name:

Contact Telephone:

Event:

Record of Decision

09/12/2012

Not reported

Not reported

Not reported

Not reported

Not reported

Federal Facility: N Fiscal Year: 2012

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement:

Latitude: 38.186794 Longitude: -90.758975

EPA ID: MON000705443

Contaminated Media: Soil Action ID: 3
Operable Unit: 03

Action Name:

Action Taken Date:

Event Code:

Contact Name:

Contact Telephone:

Event:

Federal Facility:

Record of Decision

09/12/2012

Not reported

Not reported

Not reported

Not reported

Not reported

Not reported

Federal Facility: N
Fiscal Year: 2012

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement: N

Latitude: 38.186794 Longitude: -90.758975

EPA ID: MON000705443

Contaminated Media: Soil
Action ID: 3
Operable Unit: 03

Action Name:

Action Taken Date:

Event Code:

Contact Name:

Contact Telephone:

Event:

Record of Decision

09/12/2012

Not reported

Not reported

Not reported

Not reported

Event:

Not reported

Not reported

Not reported

Not reported

Not reported

Fiscal Year: 2012

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement: N
Latitude: 38.186794
Longitude: -90.758975

EPA ID: MON000705443

Contaminated Media: Soil

EDR ID Number

1009805672

Direction Distance

Elevation Site Database(s) EPA ID Number

SOUTHWEST JEFFERSON COUNTY MINING (Continued)

Action ID: 3
Operable Unit: 03

Action Name:

Action Taken Date:

Event Code:

Contact Name:

Contact Telephone:

Event:

Record of Decision

09/12/2012

Not reported

Not reported

Not reported

Not reported

Not reported

Federal Facility: N Fiscal Year: 2012

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement: N

Latitude: 38.186794 Longitude: -90.758975

EPA ID: MON000705443

Contaminated Media: Soil
Action ID: 3
Operable Unit: 03

Action Name: Record of Decision

Action Taken Date: 09/12/2012
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N

Fiscal Year: 2012

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement:

Latitude: 38.186794 Longitude: -90.758975

US INST CONTROLS:

Name: SOUTHWEST JEFFERSON COUNTY MINING
Address: SLVR LK TRL & THNDR RDG RD,.5M W HWY WW

Address 2: Not reported

City, State, Zip: JEFFERSON COUNTY, MO 63023

EPA ID: MON000705443
Action Name: Record of Decision

Action ID: 1
Operable Unit: 01
Actual Date: 09/12/2012
Contaminated Media: Soil

Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported

Federal Facility: N Fiscal Year: 2012

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement: N Latitude: 38.186794 Longitude: -90.758975

Name: SOUTHWEST JEFFERSON COUNTY MINING
Address: SLVR LK TRL & THNDR RDG RD, 5M W HWY WW

EDR ID Number

1009805672

Direction Distance

Elevation Site Database(s) EPA ID Number

SOUTHWEST JEFFERSON COUNTY MINING (Continued)

1009805672

EDR ID Number

Address 2: Not reported

City,State,Zip: JEFFERSON COUNTY, MO 63023

EPA ID: MON000705443
Action Name: Record of Decision

Action ID: 2
Operable Unit: 02
Actual Date: 09/13

Actual Date: 09/12/2012 Contaminated Media: Soil

Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported

Federal Facility: N Fiscal Year: 2012

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement: N
Latitude: 38.186794
Longitude: -90.758975

Name: SOUTHWEST JEFFERSON COUNTY MINING
Address: SLVR LK TRL & THNDR RDG RD,.5M W HWY WW

Address 2: Not reported

City, State, Zip: JEFFERSON COUNTY, MO 63023

EPA ID: MON000705443
Action Name: Record of Decision

Action ID: 3
Operable Unit: 03
Actual Date: 09/12/2012
Contaminated Media: Soil

Event Code:

Contact Name:

Not reported

Federal Facility: N Fiscal Year: 2012

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement: N
Latitude: 38.186794
Longitude: -90.758975

ROD:

Name: SOUTHWEST JEFFERSON COUNTY MINING
Address: SLVR LK TRL & THNDR RDG RD, 5M W HWY WW

City, State, Zip: JEFFERSON COUNTY, MO 63023

EPA ID: MON000705443

RG: 7 Site ID: 705443

Action: GOVT Decision Document (ROD)
Operable Unit Number: HISTORIAL MINING-RESID. SOILS

SEQ ID: 1

Action Completion: 2012-09-12 00:00:00

NPL Status: Final
Non NPL Status: Not reported

Name: SOUTHWEST JEFFERSON COUNTY MINING
Address: SLVR LK TRL & THNDR RDG RD, 5M W HWY WW

City, State, Zip: JEFFERSON COUNTY, MO 63023

Direction Distance

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

SOUTHWEST JEFFERSON COUNTY MINING (Continued)

EPA ID: MON000705443

RG: Site ID: 705443

Action: GOVT Decision Document (ROD) Operable Unit Number: LUBBERS-RESIDENTIAL SOILS

SEQ ID:

Action Completion: 2012-09-12 00:00:00

NPL Status: Final Non NPL Status: Not reported

SOUTHWEST JEFFERSON COUNTY MINING Name: SLVR LK TRL & THNDR RDG RD,.5M W HWY WW Address:

JEFFERSON COUNTY, MO 63023 City, State, Zip:

EPA ID: MON000705443

RG: Site ID: 705443

GOVT Decision Document (ROD) Action: STEWART-RESIDENTIAL SOILS Operable Unit Number:

SEQ ID:

Action Completion: 2012-09-12 00:00:00

NPL Status: Final

Non NPL Status: Not reported

EDR Hist Auto A2 FENTON ZEPHYR 1021043259 N/A

65 GRAVOIS < 1/8 FENTON, MO 63026

1 ft.

Site 1 of 9 in cluster A

Relative: **EDR Hist Auto**

Lower

Year: Name: Actual:

FENTON ZEPHYR Gasoline Service Stations 414 ft. 1975 Gasoline Service Stations 1976 FENTON ZEPHYR Gasoline Service Stations 1977 **FENTON ZEPHYR** VAUGHN KEN 1978 Gasoline Service Stations

1979 FENTON ZEPHYR **Gasoline Service Stations FENTON ZEPHYR** 1980 Gasoline Service Stations

BUSH DAVID A B3 EDR Hist Auto 1020782600 18 GRAVOIS N/A

FENTON, MO 63026 < 1/8

1 ft.

Site 1 of 5 in cluster B

Relative: Higher

EDR Hist Auto

Name: Year: Type: Actual: 415 ft. 1969 BUSH DAVID A

Gasoline Service Stations **BUSH DAVID A** Gasoline Service Stations 1971 1972 **BUSH DAVID A Gasoline Service Stations** 1973 BUSH DAVID A Gasoline Service Stations 1974 BUSH DAVID A Gasoline Service Stations 1975 **BUSH DAVID A** Gasoline Service Stations

1009805672

Direction Distance

Elevation Site Database(s) EPA ID Number

4 SPILLS S105361508 227 FERRY STREET N/A

< 1/8 FENTON, MO

1 ft.

SPILLS:

Relative: Name: Not reported Higher 227 FERRY STREET Address: City,State,Zip: FENTON, MO Actual: Facility ID: 0107271125ADC 416 ft. Spill Number: 0107271125ADC Reported Date: 07/27/2001 Reported Time: 11:25:00

Regional Office: SLRO
Latitude: 38.5134277
Property Code: 14

Property Sub Category: Not reported Longitude: -90.437797

UTM Zone For GPS: 15

Cause Sub Category:

Email:

Ongoing:

Is A Chemical Pickup Needed?:

Cause:

Not reported
False
False
False
False
8

Contact Name: Erich Abraham
Contact Phone #: 6363059433
Contact Id: 16303

Organization Name: **Professional Floors** 227 Ferry Street Organization Address1: Discovery Date: 07/27/2001 Organization Address2: Not reported Discovery Time: Not reported Organization City: Fenton Incident Date: Not reported Organization State: MO Incident Time: Not reported Not reported Organization Zip:

GPS Code: AO
Date Of Incident Search: 07/27/2001

UTM North: 4265894.9075197103
UTM East: 723394.005243227
Cause Description: Improper Disposal
Cause Sub Category: Not reported

Report Origin: 64

Lead Agency: Anonymous

Additional Information: Spill Summary: THE CALLER REPORTS HIS FORMER EMPLOYER PLACES PAINT

SOLVENTS DOWN THE DRAIN AT WORK SITES AND AT HIS BUSINESS. Response Summary: THE EER REFERRED THIS INCIDENT TO THE ST. LOUIS REGIONAL

OFFICE AS A CITIZEN'S COMPLAINT.

Entity Telephone: 6363059433

Property Code Description: Other - Fixed Facility

Property Sub Category: Not reported

Description: Address Matching - Other Address Matching

Job Code: Not reported

Cleanup Actions:

Spill Number: 0107271125ADC

Incident ID: 16303 Cleanup Action Code: 14 **EDR ID Number**

Direction Distance

Elevation Site Database(s) EPA ID Number

(Continued) S105361508

Cleanup Action Description: Pending

Report Distribution:

Spill Number: 0107271125ADC

Incident ID: 16303 Agent Code: 16

Agency: DNR - WPP - Water Pollution Branch

Spill Number: 0107271125ADC

Incident ID: 16303 Agent Code: 22

Agency: DNR - St. Louis Regional Office

A5 MIKE'S AUTO REPAIR LUST U001159090
64 GRAVOIS RD UST N/A

< 1/8 FENTON, MO 63026 1 ft.

Site 2 of 9 in cluster A

Relative: LUST:

Lower Name: MIKE'S AUTO REPAIR
Actual: Address: 64 GRAVOIS RD
412 ft. City,State,Zip: FENTON, MO 63026

Facility ID: ST0001103

Region: SL - St. Louis Regional Office

Lat/Long (dms):

Spill Number:

Release Date:

Not reported
Not reported
05/04/1993

Release Type: UNDERGROUND STORAGE TANK

Date Cleanup Started: 04/28/1993
Date Cleanup Finished: 05/25/2006
Expedited: No
Expedited Date: Not reported

Expenditures From The American Recovery and Reinvestment Act of 2009No

Reopened Date: Not reported

Number Of Remediation Monitoring Wells: 0
Active: No

Date Of NFA Letter From DNR: 2006-06-09 00:00:00

Date Record Meets Archive Criteria: 09/05/2007
Remediation ID: R003909
Rank: Not reported
Emergency Response Date: Not reported
Emergency Cleanup Start: Not reported
Referred To DGLS for Investigation: Not reported

Contractor Performing Clean Up: 37
RBCA NFA: Yes
Project Manager: L

Next Correspondence/Update With Fac:
Date Added:

Date Record Edited:

Person Adding Or Editing Record:
Facility Sent To State Archive:

Date Remediation Unit Closed The File:

Not reported
Not reported
Not reported

Site Affectd By Funding Level From PSTIF: No

General Comments: 1-12-95 - JM - RECEIVED 12/17/94 CORRESPONDENCE. REQUESTED

CAP FOR B-2, B-8, & B-11 ALONG WITH MONITORING OF B-1, B-5,

EDR ID Number

Direction Distance Elevation

Site Database(s) EPA ID Number

MIKE'S AUTO REPAIR (Continued)

U001159090

EDR ID Number

B-10, AND B-12. 5/27/99. HM: requested WP for 5 borings and one round of GW results. 12/1/99. HM: Reqstd. WP for soil borings, and GW sample results from all wells. 12/16/99. HM: letter returned. Sent e-mail to Fred Hutosn regesting RO help in getting current address for owner. 5/19/2001. HM: e-mail to Bill wilder for help to get a good owner address. 7/9/2001. HM: Reqesd soil borings in areas where contam was detected. 9/14/2001.HM:responde to letter of August 22, 2001 with recommendations to proceed. 5/22/2002:HM:Regestd site update. 8/26/2002:HM:Approvd SA WP of August 9, 2002. 5/15/03:HM:Request SC report. 11/03/03:HM:Reqestd SC report. 4/7/04:HM:Recvd SA report of March 29, 04. Sig contam in soil and GW. Reqestd WP for further SC. 11/05/04:HM:Regestd site update. 05/10/05 -Approved WP with changes to the locations of the three borings. Site needs to be delineated to show no offsite impact on the north, west, and south sides. - LL 5/25/06:HM:Revd T-1 RA report of 2/20/06 and GW report of 4/26/06. Issued NFRA. 6/29/06: TC - NFRA issued June 9, 2006 08/16/06 - Received work plan for well abandonment and well abandonment documentation. - LL

UST:

 Facility ID:
 \$T0001103

 Region:
 \$L

 Easting:
 723694.959

 Northing:
 4265606.99

Owner Of Geospatial Data: Hazardous Waste Program Geospatial Data Collected By: VANCE, S

Date GIS Data Collected: 08/27/2013 Lat/Long: 38.5116043 / -90.433510

Lat/Long (dms): Not reported

Tanks:

Owner:

Owner ID: OW00988

Owner Name:

Owner Address:

Owner City,St,Zip:

Owner County Code:

MIKE R THOMPSON
64 GRAVOIS ROAD []
FENTON, MO 63026
Not reported

Owner Phone: 3439535
Mail Was Not Deliverable: Yes
Is Owner Active?: No

Date Registration Received:Not reportedDate Record Added:1995-06-30 00:00:00Date Record Edited:1998-02-27 00:00:00

Name of Person Editing Record: N\$ATKIG

Tank ID: 1
Tank Double Wall: 0

Tank Type: Below Ground
Tank Status: Removed
Meet 98 Update Requirements: Not reported
Date Tank Installed: 01/01/1988
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported

Direction Distance Elevation

ion Site Database(s) EPA ID Number

MIKE'S AUTO REPAIR (Continued)

U001159090

Not reported

EDR ID Number

Code for Tank Installer: Not reported Not reported Other Type Of Tank Material: Tank Internal Protection: Not reported Other Tank Internal Protection: Not reported Tank Internal Protection Date: Not reported Not reported Tank External Protection: Not reported Other Type Tank Extrn Protec: Tank External Protec Date: Not reported 03/01/1992 Date Tank Last Used: Date Tank Permanently Closed/ Removed: 04/27/1993

Dt Tk Exp Brought InUse/Internal Tracking:
Tank Fees Waived:
Expedite Closure On Tank?:
No

Responsible Person Expediting Closure: Not reported Temporary Status Verified Date: Not reported Admin Fee 585: Not reported Date Administratively Closed: Not reported 06/30/1995 Date Record Added: Date Record Edited: 05/22/1996 Person Adding/Editing Record: Not reported Date Of NFA Letter: 04/27/1993 Is Tank Used For Emergency Generator: No

Date Closure Notice Received: 03/09/1993
Date Of Aprroval Letter: 04/27/1993

Firm Closing Tank: ACTION ENVIRONMENTAL

Date Closure Report Received:
Registration End Date:
LockOut Flag:
Comments:

Not reported
No
Not reported

Tank Compartment:

Tanks Use: False
Compartment No: 1
Tank Compartment PK: 2789
Tank PK: 2789
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 6000

Substance: Gasoline, Including Blends

Substance Other:
Hazardous Substance:
Mixture:
Not reported
Not reported
False

Date of Last Use: 1992-03-01 00:00:00
Pipe Installation Date: Not reported

Pipe System: Not reported Pipe Material: 0

Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported

Pipe Double Wall: 0
Spill Protection: False

Owner:

Owner ID: OW00988

Owner Name: MIKE R THOMPSON

MAP FINDINGS Map ID Direction

Distance Elevation

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

MIKE'S AUTO REPAIR (Continued)

U001159090

EDR ID Number

64 GRAVOIS ROAD [] Owner Address: FENTON, MO 63026 Owner City, St, Zip:

Owner County Code: Not reported Owner Phone: 3439535 Mail Was Not Deliverable: Yes Is Owner Active?: No

Date Registration Received: Not reported Date Record Added: 1995-06-30 00:00:00 Date Record Edited: 1998-02-27 00:00:00

Name of Person Editing Record: **N\$ATKIG**

2 Tank ID: Tank Double Wall: 0 Tank Type: Below Ground

Tank Status: Removed Meet 98 Update Requirements: Not reported 01/01/1988 Date Tank Installed: Tank Material: Steel Code for Tank Material Manufacturer: Not reported Code for Tank Installer: Not reported Other Type Of Tank Material: Not reported Tank Internal Protection: Not reported Other Tank Internal Protection: Not reported Not reported Tank Internal Protection Date: Tank External Protection: Not reported Not reported Other Type Tank Extrn Protec:

Tank External Protec Date: Not reported 03/01/1992 Date Tank Last Used: Date Tank Permanently Closed/ Removed: 04/27/1993 Dt Tk Exp Brought InUse/Internal Tracking:

Tank Fees Waived: No Expedite Closure On Tank?: No Responsible Person Expediting Closure: Not reported Temporary Status Verified Date: Not reported Admin Fee 585:

Not reported Date Administratively Closed: Not reported Date Record Added: 06/30/1995 Date Record Edited: 05/22/1996 Person Adding/Editing Record: Not reported Date Of NFA Letter: 04/27/1993

Is Tank Used For Emergency Generator: No

Date Closure Notice Received: 03/09/1993 Date Of Aprroval Letter: 04/27/1993

Firm Closing Tank: **ACTION ENVIRONMENTAL**

Date Closure Report Received: Not reported Registration End Date: Not reported LockOut Flag:

Comments: Not reported

Tank Compartment:

False Tanks Use: Compartment No: Tank Compartment PK: 2790 Tank PK: 2790 Case Number: Not reported Compartment Status: Removed Compartment Temp Verified Dt: Not reported

Not reported

Direction Distance Elevation

tion Site Database(s) EPA ID Number

MIKE'S AUTO REPAIR (Continued)

Capacity: 6000

Substance: Gasoline, Including Blends

Substance Other: Not reported Hazardous Substance: Not reported Mixture: False

Date of Last Use: 1992-03-01 00:00:00
Pipe Installation Date: Not reported
Pipe System: Not reported

Pipe Material: 0

Pipe Material Other:

Pipe Protection:

Not reported

Not reported

Not reported

Not reported

Pipe Double Wall: 0
Spill Protection: False

Owner:

Owner ID: OW00988

Owner Name: MIKE R THOMPSON
Owner Address: 64 GRAVOIS ROAD []
Owner City,St,Zip: FENTON, MO 63026

Owner County Code:
Owner Phone:
Mail Was Not Deliverable:
Is Owner Active?:
Not reported
3439535
Yes
No

Date Registration Received:

Date Record Added:

Date Record Edited:

Not reported
1995-06-30 00:00:00
1998-02-27 00:00:00

Name of Person Editing Record: N\$ATKIG

Tank ID: 3 Tank Double Wall: 0 Tank Type: Below Ground Tank Status: Removed Meet 98 Update Requirements: Not reported Date Tank Installed: 01/01/1988 Tank Material: Steel Code for Tank Material Manufacturer: Not reported Code for Tank Installer: Not reported

Other Type Of Tank Material: Not reported Tank Internal Protection: Not reported Other Tank Internal Protection: Not reported Tank Internal Protection Date: Not reported Tank External Protection: Not reported Other Type Tank Extrn Protec: Not reported Tank External Protec Date: Not reported 03/01/1992 Date Tank Last Used: Date Tank Permanently Closed/ Removed: 04/27/1993

Dt Tk Exp Brought InUse/Internal Tracking:
Tank Fees Waived:
No
Expedite Closure On Tank?:
No

Responsible Person Expediting Closure:
Temporary Status Verified Date:
Admin Fee 585:
Date Administratively Closed:
Date Record Added:
Not reported
Not reported
Not reported
06/30/1995

U001159090

EDR ID Number

Not reported

Direction
Distance
Elevation

ance EDR ID Number ration Site Database(s) EPA ID Number

MIKE'S AUTO REPAIR (Continued)

U001159090

Date Record Edited: 05/22/1996
Person Adding/Editing Record: Not reported
Date Of NFA Letter: 04/27/1993

Is Tank Used For Emergency Generator: No

Date Closure Notice Received: 03/09/1993
Date Of Aprroval Letter: 04/27/1993

Firm Closing Tank: ACTION ENVIRONMENTAL

Date Closure Report Received: Not reported Registration End Date: Not reported LockOut Flag: No

Comments: Not reported

Tank Compartment:

Tanks Use: False
Compartment No: 1
Tank Compartment PK: 2791
Tank PK: 2791
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 6000

Substance: Gasoline, Including Blends

Substance Other: Not reported Hazardous Substance: Not reported Mixture: False

Date of Last Use: 1992-03-01 00:00:00

Pipe Installation Date: Not reported Pipe System: Not reported

Pipe Material: 0

Pipe Material Other:

Pipe Protection:

Not reported

Not reported

Not reported

Not reported

Not reported

Pipe Double Wall:

Spill Protection:

False

Tank Aug 2011:

Facility Id: ST0001103
Tank Id: 1

Not reported Site Usage: Risk Type: Not reported Soil Type: Not reported GW Flow: Not reported Offsite Impact: Not reported Free Product: Not reported **Drinking Water:** Not reported Closed Under: Not reported

No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0001103

Tank ld: 2

Direction Distance Elevation

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

MIKE'S AUTO REPAIR (Continued)

U001159090

Site Usage: Not reported Risk Type: Not reported Soil Type: Not reported GW Flow: Not reported Offsite Impact: Not reported Free Product: Not reported Drinking Water: Not reported Closed Under: Not reported

No Drinking Wells: No No Buildings: No Vapor Barrier: 0 St Louis Mo: No Special Well Area: No Surface Cap: No No Excavation: No

Facility Id: ST0001103 Tank ld: 3 Site Usage: Not reported Risk Type: Not reported Soil Type: Not reported GW Flow: Not reported Offsite Impact: Not reported Free Product: Not reported Drinking Water: Not reported Closed Under: Not reported

No Drinking Wells: No No Buildings: No Vapor Barrier: 0 St Louis Mo: No Special Well Area: No Surface Cap: No No Excavation: No

MIKE'S AUTO REPAIR RGA LUST S116103889 **64 GRAVOIS RD** N/A

64 GRAVOIS RD

64 GRAVOIS RD

< 1/8 **FENTON, MO** 1 ft.

Α6

Site 3 of 9 in cluster A

Relative: RGA LUST: Lower

2012 MIKE'S AUTO REPAIR 64 GRAVOIS RD 64 GRAVOIS RD 2011 MIKE'S AUTO REPAIR Actual: 2010 MIKE'S AUTO REPAIR 64 GRAVOIS RD 412 ft. MIKE'S AUTO REPAIR 64 GRAVOIS RD 2008 2007 MIKE'S AUTO REPAIR 64 GRAVOIS RD 2006 MIKE'S AUTO REPAIR 64 GRAVOIS RD 2005 64 GRAVOIS RD MIKE'S AUTO REPAIR 2004 MIKE'S AUTO REPAIR 64 GRAVOIS RD 2003 MIKE'S AUTO REPAIR 64 GRAVOIS RD 2002 MIKE'S AUTO REPAIR 64 GRAVOIS RD

MIKE'S AUTO REPAIR

MIKE'S AUTO REPAIR

2000

1999

Direction Distance

Distance EDR ID Number Elevation Site EDR ID Number Database(s) EPA ID Number

B7 FENTON TRANSMISSIONS EDR Hist Auto 1020415634
10 GRAVOIS RD N/A

Type:

Automotive Transmission Repair Shops

Automotive Transmission Repair Shops Automotive Transmission Repair Shops

Automotive Transmission Repair Shops

Automotive Transmission Repair Shops

Automotive Transmission Repair Shops

Automotive Transmission Repair Shops

Automotive Transmission Repair Shops

Automotive Transmission Repair Shops

Automotive Transmission Repair Shops

Automotive Transmission Repair Shops

Automotive Transmission Repair Shops

< 1/8 FENTON, MO 63026

1 ft.

Site 2 of 5 in cluster B

Relative: EDR Hist Auto

Higher
Actual: Year: Name:

417 ft.

1989 TOSTE S TRANSMISSION 1990 TOSTE S TRANSMISSION 1991 **TOSTE S TRANSMISSION** 1992 TOSTIS TRANSMISSION 1993 **TOSTIS TRANSMISSION** 1994 TOSTIS TRANSMISSION 1995 TOSTIS TRANSMISSION 1997 **FENTON TRANSMISSION** 1998 FENTON TRANSMISSION 1999 FENTON TRANSMISSION 2000 **FENTON TRANSMISSION** 2001 FENTON TRANSMISSION 2002 FENTON TRANSMISSION 2003 FENTON TRANSMISSION 2004 **FENTON TRANSMISSION** 2005 FENTON TRANSMISSION 2006 FENTON TRANSMISSIONS

2006 FENTON TRANSMISSIONS
2007 FENTON TRANSMISSIONS
2008 FENTON TRANSMISSIONS
2009 FENTON TRANSMISSIONS
2010 FENTON TRANSMISSIONS
2011 FENTON TRANSMISSIONS
2012 FENTON TRANSMISSIONS
2013 FENTON TRANSMISSIONS

FENTON TRANSMISSIONS

SOUTHWESTERN BELL

211 GRAVIOS < 1/8 FENTON, MO 63026

2014

1 ft.

Actual:

416 ft.

A8

Site 4 of 9 in cluster A

Relative: LUST: Higher Name:

Address: City,State,Zip:

Facility ID: ST0002522
Region: SL - St. Louis Regional Office

Lat/Long (dms): Not reported Spill Number: Not reported Release Date: 01/03/1990

Release Type: UNDERGROUND STORAGE TANK

SOUTHWESTERN BELL

FENTON, MO 63026

211 GRAVIOS

Date Cleanup Started: 01/03/1990
Date Cleanup Finished: 09/06/1990
Expedited: No
Expedited Date: Not reported

Expenditures From The American Recovery and Reinvestment Act of 2009No

Reopened Date: Not reported

Number Of Remediation Monitoring Wells: 0
Active: No

Date Of NFA Letter From DNR: 1990-09-06 00:00:00

TC7466178.2s Page 36

LUST

UST

U000753228

N/A

Direction Distance Elevation

e EDR ID Number on Site Database(s) EPA ID Number

SOUTHWESTERN BELL (Continued)

U000753228

Date Record Meets Archive Criteria:

Remediation ID:

Rank:

Emergeny Response Date:

Emergency Cleanup Start:

Referred To DGLS for Investigation:

Contractor Performing Clean Up:

Not reported

Not reported

Not reported

Not reported

Not reported

RBCA NFA: No Project Manager: L

Next Correspondence/Update With Fac:
Date Added:
Date Record Edited:
Person Adding Or Editing Record:
Facility Sent To State Archive:
Date Remediation Unit Closed The File:
Not reported
106/30/1995
03/29/2016
LUTHER, L
Yes
Date Remediation Unit Closed The File:
Not reported

Site Affectd By Funding Level From PSTIF: No

General Comments: Not reported

UST:

Facility ID: ST0002522 Region: SL

Easting: 723612.535 Northing: 4265731.60

Owner Of Geospatial Data: Hazardous Waste Program

Geospatial Data Collected By: RANGEN, K Date GIS Data Collected: 08/10/2020

Lat/Long: 38.5117575 / -90.435556

Lat/Long (dms): Not reported

Tanks:

Owner:

Owner ID: OW04700

Owner Name: SOUTHWESTERN BELL TELEPHONE DBA ATT SERS INC

Owner Address: 3 BELL PLZA/308 S AKARD/RM 1700

Owner City,St,Zip: DALLAS, TX 75202 5399

Owner County Code: 59

Owner Phone: 5669347

Mail Was Not Deliverable: No
Is Owner Active?: Yes

Date Registration Received: Not reported

Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2019-05-14 00:00:00
Name of Person Editing Record: BERVE, TRISHA

Tank ID: 1
Tank Double Wall: 0

Below Ground Tank Type: Tank Status: Removed Meet 98 Update Requirements: Not reported Date Tank Installed: 01/01/1965 Tank Material: Steel Code for Tank Material Manufacturer: Not reported Code for Tank Installer: Not reported Other Type Of Tank Material: Not reported Tank Internal Protection: Not reported Other Tank Internal Protection: Not reported

Direction Distance

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

SOUTHWESTERN BELL (Continued)

U000753228

Tank Internal Protection Date: Not reported Not reported Tank External Protection: Other Type Tank Extrn Protec: Not reported Tank External Protec Date: Not reported Date Tank Last Used: 11/01/1989 Date Tank Permanently Closed/ Removed: 09/06/1990

Not reported Dt Tk Exp Brought InUse/Internal Tracking:

Tank Fees Waived: Yes Expedite Closure On Tank?: No

Responsible Person Expediting Closure: Not reported Temporary Status Verified Date: Not reported Admin Fee 585: Not reported Not reported Date Administratively Closed: Date Record Added: 06/30/1995 08/19/1996 Date Record Edited: Person Adding/Editing Record: N\$HOEGR Date Of NFA Letter: 09/06/1990

Is Tank Used For Emergency Generator: No

Date Closure Notice Received: 11/14/1989 Date Of Aprroval Letter: 09/06/1990

SOUTHWESTERN BELL TELE Firm Closing Tank:

Date Closure Report Received: 05/17/1990 Registration End Date: Not reported

LockOut Flag: No

SENT TO LAB - LAB APPROVED Comments:

Tank Compartment:

Tanks Use: False Compartment No: 6340 Tank Compartment PK: 6340 Tank PK: Case Number: Not reported Compartment Status: Removed Compartment Temp Verified Dt: Not reported Capacity: 5000

Gasoline, Including Blends Substance:

Substance Other: Not reported Not reported Hazardous Substance:

Mixture: False 1989-11-01 00:00:00 Date of Last Use:

Pipe Installation Date: Not reported Not reported Pipe System:

Pipe Material:

Pipe Material Other: Not reported Pipe Protection: Not reported Pipe Protection Date: Not reported

Pipe Double Wall: Spill Protection: False

Tank Aug 2011:

Facility Id: ST0002522

Tank Id:

Site Usage: Not reported Risk Type: Not reported Soil Type: Not reported GW Flow: Not reported

Direction Distance

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

SOUTHWESTERN BELL (Continued)

U000753228

S106875968

N/A

AIRS

DRYCLEANERS

Offsite Impact: Not reported Free Product: Not reported Drinking Water: Not reported Closed Under: Not reported

No Drinking Wells: No No Buildings: No Vapor Barrier: 0 St Louis Mo: No Special Well Area: No Surface Cap: No No Excavation: No

В9 J & S CLEANER INC

31 GRAVOIS BLUFF PLAZA

< 1/8 FENTON, MO 63026

1 ft.

Site 3 of 5 in cluster B

Relative: AIRS: Higher Year: Not reported

Name: J & S DRYCLEANING Actual: Address: 31 GRAVOIS BLUFF PLAZA 417 ft.

> FENTON, MO City,State,Zip: AP200405020 Facility ID: Start Review Date: Not reported Program ID: Not reported Complete Date: Not reported Country: Not reported Permit Number: OP

Step Name: AP: Operating Permit Terminated

Permitee Name: AOP: Basic Operating Permit Amendment

SA Description: Not reported

31 Gravois Bluff Plaza Locator X:

Expiration Date: Not reported Not reported Received Submittal Date:

Description: New Owner-Dry Cleaner

Contact Name: Not reported Not reported Cons Name: Not reported Port Cnty: Permit Code: Not reported FIPS Plant: Not reported Contact Code: Not reported Days From Start: Not reported Days From Completion: Not reported Number of Days: Not reported Organization Formal Name: Not reported Affiliation Type Code: Not reported Facility Category Code: Not reported Facility Site Status Code: Not reported Facility Site Status Code Year: Not reported Facility Site Comment: Not reported NAICS Code: Not reported Supplemental Location Text: Not reported Latitude: Not reported Longitude: Not reported

Year: Not reported

Name: E & L DRYCLEANING

Direction Distance Elevation

nce EDR ID Number ttion Site Database(s) EPA ID Number

J & S CLEANER INC (Continued)

S106875968

Address: 31 GRAVOIS BLUFF PLAZA

City,State,Zip: FENTON, MO
Facility ID: AP200208104
Start Review Date: Not reported
Program ID: Not reported
Complete Date: Not reported
Country: Not reported

Permit Number: OP

Step Name: AP: Operating Permit Terminated Permitee Name: AOP: Basic Operating Permit

Not reported

SA Description: Not reported

Locator X: 31 Gravois Bluff Plaza

Expiration Date: Not reported Received Submittal Date: Not reported

Description: General OP - Drycleaner

Contact Name: Not reported Cons Name: Not reported Not reported Port Cnty: Permit Code: Not reported FIPS Plant: Not reported Not reported Contact Code: Days From Start: Not reported Days From Completion: Not reported Number of Days: Not reported Not reported Organization Formal Name: Affiliation Type Code: Not reported Facility Category Code: Not reported Facility Site Status Code: Not reported Facility Site Status Code Year: Not reported Facility Site Comment: Not reported NAICS Code: Not reported Supplemental Location Text: Not reported Latitude: Not reported

DRYCLEANERS:

Longitude:

Plant Number: 189-1517
DC Number: 243
Facility Status: Abandoned
Facility Contact: John Hwang
Facility Phone: 636-326-1605

Site NA: No
Dry Store: No
DC Plant: Yes
Supplier: 0
Chlorinated: -1
Non Chlorinated: 0

Supplier ID: Not reported OUID: 3501
Party ID: 10061

Direction Distance

Elevation Site Database(s) EPA ID Number

A10 SOUTHWESTERN BELL RGA LUST S116106428

211 GRAVIOS N/A

< 1/8 FENTON, MO 1 ft.

Site 5 of 9 in cluster A

Relative: RGA LUST:

Higher 2012 SOUTHWESTERN BELL 211 GRAVIOS 2011 SOUTHWESTERN BELL 211 GRAVIOS Actual: 2010 SOUTHWESTERN BELL 211 GRAVIOS 416 ft. 2008 SOUTHWESTERN BELL 211 GRAVIOS 2007 SOUTHWESTERN BELL 211 GRAVIOS 2006 SOUTHWESTERN BELL 211 GRAVIOS 2005 SOUTHWESTERN BELL 211 GRAVIOS SOUTHWESTERN BELL 2004 211 GRAVIOS 2003 SOUTHWESTERN BELL 211 GRAVIOS 211 GRAVIOS 2002 SOUTHWESTERN BELL 2000 SOUTHWESTERN BELL 211 GRAVIOS 1999 SOUTHWESTERN BELL 211 GRAVIOS 211 GRAVIOS 1998 SOUTHWESTERN BELL 1997 SOUTHWESTERN BELL 211 GRAVIOS

A11 CDL S106145553
193 GRAVOIS BLUFF SPILLS N/A

Not reported

< 1/8 FENTON, MO

1 ft.

Site 6 of 9 in cluster A

Relative: CDL: Higher Name:

 Actual:
 Address:
 193 GRAVOIS BLUFF

 415 ft.
 City,State,Zip:
 FENTON, MO

 Facility ID:
 0301221600CRJ

 Spill Number:
 0301221600CRJ

 Chemical Name:
 Drug Lab Materials

 Reported Date:
 01/22/2003

 Quantity:
 29

 Reported Time:
 16:00:00

 Units:
 25

 Cause:
 3

Discovery Date: 01/23/2003
Discovery Time: Not reported
Material: 12

Materials: Drug Lab Materials

Cleanup Actions:

Spill Number: 0301221600CRJ

Incident ID: 21616
Cleanup Action Code: 16

Cleanup Action Description: Removed/Recovered

Spill Number: 0301221600CRJ

Incident ID: 21616
Cleanup Action Code: 8
Cleanup Action Description: Neutralized

Report Distribution:

Spill Number: 0301221600CRJ

Incident ID: 21616 Agent Code: 22

Agency: DNR - St. Louis Regional Office

EDR ID Number

MAP FINDINGS Map ID Direction

Distance

Elevation Site Database(s) **EPA ID Number**

(Continued) S106145553

SPILLS:

Contact Id:

Name: Not reported

193 GRAVOIS BLUFF Address: City, State, Zip: FENTON, MO Facility ID: 0301221600CRJ Spill Number: 0301221600CRJ Reported Date: 01/22/2003 Reported Time: 16:00:00 Regional Office: **SLRO** Latitude: 38.6715011 Property Code: 20

Property Sub Category: Not reported Longitude: -90.537246

UTM Zone For GPS: 15 Cause Sub Category: Not reported Email: False Ongoing: False Is A Chemical Pickup Needed?: False Cause: Contact Name: Unknown Contact Phone #: 000000000

National Response Center Organization Name: 2100 Second Street Southwest Organization Address1:

21616

01/23/2003 Discovery Date:

Organization Address2: C/O United States Coast Guard

Discovery Time: Not reported Organization City: Washington Incident Date: Not reported Organization State: DC Incident Time:

Not reported Organization Zip: 20593-0001 AO

GPS Code:

01/22/2003 Date Of Incident Search:

UTM North: 4283201.9364971099 UTM East: 714251.29144933098 Confiscated Drug Lab Mat. Cause Description:

Cause Sub Category: Not reported

Report Origin: 60

Lead Agency: Local - Law Enforcement

Additional Information: Spill Summary: THE CALLER REPORTS THAT DRUG LAB MATERIALS HAVE BEEN

ACCEPTED AT THE CHESTERFIELD CLANDESTINE DRUG LAB COLLECTION STATION.

Response Summary: THE DRUG LAB MATERIALS WILL BE PROCESSED AND

DISPOSED OF PROPERLY.

Entity Telephone: 8004248802 Property Code Description: Retail Facility Property Sub Category: Not reported

Description: Address Matching - Other Address Matching

Job Code: Not reported

Cleanup Actions:

Spill Number: 0301221600CRJ

21616 Incident ID: Cleanup Action Code:

Cleanup Action Description: Removed/Recovered **EDR ID Number**

Direction Distance

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

(Continued) S106145553

Spill Number: 0301221600CRJ

21616 Incident ID: Cleanup Action Code: 8 Cleanup Action Description: Neutralized

Report Distribution:

Spill Number: 0301221600CRJ

Incident ID: 21616 Agent Code: 22

Agency: DNR - St. Louis Regional Office

B12 **BUSH SERVICE STATION EDR Hist Auto** 1009111111

16 GRAVOIS RD N/A

< 1/8 FENTON, MO

1 ft.

Site 4 of 5 in cluster B

Relative: **EDR Hist Auto**

Higher

Year: Name: Type: Actual:

1961 **BUSH SERVICE STATION GASOLINE STATIONS** 416 ft.

A13 **MIKE'S AUTO REPAIR RGA LUST** S116103890

64 GRAVOIS ROAD

< 1/8 FENTON, MO

1 ft.

Site 7 of 9 in cluster A

Relative: **RGA LUST:**

Lower MIKE'S AUTO REPAIR 64 GRAVOIS ROAD 1998

1997 MIKE'S AUTO REPAIR 64 GRAVOIS ROAD Actual:

412 ft.

A14 HAROLDS STANDARD & TOWING INC **EDR Hist Auto** 1021411215

64 GRAVOIS **FENTON, MO 63026**

< 1/8 1 ft.

Site 8 of 9 in cluster A

EDR Hist Auto

Relative: Lower

Year: Name: Type: Actual:

1975 **BOBS STANDARD SERVICE** Gasoline Service Stations 412 ft. 1976 **BOBS STANDARD SERVICE** Gasoline Service Stations 1977 HAROLD RAMADA INN STANDARD **Gasoline Service Stations** 1978 HAROLDS STANDARD STATION Gasoline Service Stations 1979 HAROLDS STANDARD STATION **Gasoline Service Stations** 1980 HAROLDS STANDARD STATION Gasoline Service Stations 1982 HAROLDS STANDARD & TOWING INC **Gasoline Service Stations**

1983 HAROLDS STANDARD & TOWING INC **Gasoline Service Stations** 1985 HAROLDS STANDARD & TOWING INC Gasoline Service Stations HAROLDS STANDARD & TOWING INC Gasoline Service Stations 1986 1987 HAROLDS SUNOCO & TOWING INC Gasoline Service Stations 1988 HAROLDS SUNOCO & TOWING INC Gasoline Service Stations

1989 MIKES SUNOCO Gasoline Service Stations, NEC N/A

N/A

Direction Distance

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

HAROLDS STANDARD & TOWING INC (Continued)

1021411215

1990 MIKES SUNOCO Gasoline Service Stations, NEC MIKES SUNOCO Gasoline Service Stations, NEC 1991 1992 MIKES SUNOCO Gasoline Service Stations, NEC 1993 MIKES SUNOCO Gasoline Service Stations, NEC 1994 MIKES SUNOCO Gasoline Service Stations, NEC

A15 **FENTON AUTO REPAIR EDR Hist Auto** 1009111543 N/A

SSE 126 GRAVOIS RD FENTON, MO < 1/8

0.002 mi.

12 ft. Site 9 of 9 in cluster A

Relative: Lower

EDR Hist Auto

Actual:

Year: Name:

1961 **FENTON AUTO REPAIR** 412 ft.

Type:

AUTOMOBILE REPAIRING

16 **PAUL S STANDARD STATION** 198 GRAVOIS RD South

EDR Hist Auto 1009111285

N/A

N/A

< 1/8 FENTON, MO

0.004 mi. 19 ft.

Relative: **EDR Hist Auto**

Lower Actual:

Year: Name:

PAUL S STANDARD STATION 413 ft. 1961

GASOLINE STATIONS

B17 BUSH DAVID A EDR Hist Auto 1020836795

6 GRAVOIS SE < 1/8

0.010 mi.

FENTON, MO 63026

54 ft.

Site 5 of 5 in cluster B

Relative: Higher

EDR Hist Auto

1991

1993

Actual:

421 ft.

Year: Name: 1976 BUSH DAVID A 1977 **BUSH DAVID A BUSH DAVID A** 1978 1979 **BUSH DAVID A BUSH DAVID A** 1980 1982 **BUSH DAVID A** 1983 **BUSH DAVID A** 1985 **BUSH DAVID A** 1986 **BUSH DAVID A** 1987 **BUSH DAVID A** 1988

BUSH DAVID A 1989 BUSH DAVID A 1990 **BUSH DAVID A** BUSH DAVID A 1992

BUSH DAVID A **BUSH DAVID A**

Type:

Gasoline Service Stations **Gasoline Service Stations** Gasoline Service Stations Gasoline Service Stations Gasoline Service Stations Gasoline Service Stations **Gasoline Service Stations Gasoline Service Stations Gasoline Service Stations** Gasoline Service Stations Gasoline Service Stations Gasoline Service Stations, NEC Gasoline Service Stations, NEC Gasoline Service Stations, NEC Gasoline Service Stations, NEC Gasoline Service Stations, NEC

Direction Distance

Elevation **EPA ID Number** Site Database(s)

C18 **PETRO MART EDR Hist Auto** 1020293696 **WSW 600 GRAVOIS RD** N/A

< 1/8 0.083 mi.

436 ft. Site 1 of 4 in cluster C

Relative: Higher

EDR Hist Auto

2013

2013

2014

WESTERN OIL INC

WESTERN OIL INC

WESTERN OIL INC

FENTON, MO 63026

Actual: 419 ft.

Year: Name: 1972 SHAW SKELLY 1973 SHAW SKELLY 1974 SHAW SKELLY 1975 SHAW SKELLY 1976 SHAW SKELLY 1977 SHAW SKELLY 1978 SHAW SKELLY 1979 SHAW SKELLY 1996 PETRO MART 1997 PETRO MART 1998 WESTERN OIL 1999 WESTERN OIL 2000 PETRO MART 2000 WESTERN OIL 2001 PETRO MART 2001 WESTERN OIL 2002 PETRO MART 2002 WESTERN OIL 2003 WESTERN OIL 2003 PETRO MART 2004 WESTERN OIL INC 2004 PETRO MART 2005 PETRO MART 2005 WESTERN OIL INC 2006 PETRO MART 2006 WESTERN OIL INC 2007 PETRO MART 2007 WESTERN OIL INC 2008 PETRO MART 2008 WESTERN OIL INC 2009 PETRO MART 2009 WESTERN OIL INC 2010 WESTERN OIL INC 2010 PETRO MART 2011 PETRO MART 2011 WESTERN OIL INC 2012 WESTERN OIL INC 2012 WESTERN OIL INC

Type: Gasoline Service Stations Gasoline Service Stations Gasoline Service Stations **Gasoline Service Stations** Gasoline Service Stations **Gasoline Service Stations** Gasoline Service Stations **Gasoline Service Stations** Gasoline Service Stations Gasoline Service Stations Gasoline Service Stations Gasoline Service Stations **Gasoline Service Stations Gasoline Service Stations** Gasoline Service Stations Gasoline Service Stations **Gasoline Service Stations Gasoline Service Stations** Gasoline Service Stations Gasoline Service Stations Gasoline Service Stations Gasoline Service Stations **Gasoline Service Stations** Gasoline Service Stations Gasoline Service Stations Gasoline Service Stations

Gasoline Service Stations

EDR ID Number

Direction Distance

Elevation Site Database(s) EPA ID Number

C19 PHILLIPS 66 FENTON LUST U001159097 WSW 600 GRAVOIS RD UST N/A

< 1/8 FENTON, MO 63026

0.083 mi.

436 ft. Site 2 of 4 in cluster C

 Relative:
 LUST:

 Higher
 Name:
 PHILLIPS 66 FENTON

 Actual:
 Address:
 600 GRAVOIS RD

 419 ft.
 City,State,Zip:
 FENTON, MO 63026

Facility ID: ST0013300

Region: SL - St. Louis Regional Office

Lat/Long (dms): Not reported Spill Number: Not reported Release Date: 08/09/1993

Release Type: UNDERGROUND STORAGE TANK

Date Cleanup Started: 06/16/1993
Date Cleanup Finished: 08/18/1993
Expedited: No

Expedited Date: Not reported

Expenditures From The American Recovery and Reinvestment Act of 2009No

Reopened Date: Not reported

Number Of Remediation Monitoring Wells: 0
Active:

Date Of NFA Letter From DNR: Not reported Date Record Meets Archive Criteria: Not reported R004107 Remediation ID: Rank: Not reported Not reported Emergeny Response Date: **Emergency Cleanup Start:** Not reported Referred To DGLS for Investigation: Not reported Contractor Performing Clean Up: Not reported **RBCA NFA:** No Project Manager:

Next Correspondence/Update With Fac:
Date Added:
Date Record Edited:
Person Adding Or Editing Record:
Not reported
06/30/1995
03/15/1999
NREQHW-PEARJ

Facility Sent To State Archive: Yes
Date Remediation Unit Closed The File: Not reported

Site Affectd By Funding Level From PSTIF: No

General Comments: Not reported

UST:

Facility ID: ST0013300 Region: SL

Easting: 723208.594 Northing: 4265838.90

Owner Of Geospatial Data: Hazardous Waste Program

Geospatial Data Collected By: CON_Fortin,Joel Date GIS Data Collected: 04/21/2014

Lat/Long: 38.51297 / -90.43994 Lat/Long (dms): Not reported

3 (* 3)

Tanks:

Owner:

Owner ID: OW22911

Owner Name: SHREEJI OF FENTON
Owner Address: 600 GRAVOIS RD

EDR ID Number

Direction Distance Elevation

n Site Database(s) EPA ID Number

PHILLIPS 66 FENTON (Continued)

U001159097

EDR ID Number

Owner City,St,Zip: FENTON, MO 63026

Owner County Code:

Owner Phone:

Mail Was Not Deliverable:

Is Owner Active?:

No

Yes

Date Registration Received:

Date Record Added:

Date Record Edited:

Date Record Edited:

Date Record Edited:

VANDEPOPUL, C

Tank ID: 1
Tank Double Wall: 0

Tank Type: Below Ground Tank Status: Curently in use Meet 98 Update Requirements: Not reported Date Tank Installed: 01/01/1986 Tank Material: **Fiberglass** Code for Tank Material Manufacturer: Not reported Code for Tank Installer: Not reported Other Type Of Tank Material: Not reported Tank Internal Protection: Not reported Other Tank Internal Protection: Not reported Tank Internal Protection Date: Not reported Not reported Tank External Protection: Other Type Tank Extrn Protec: Not reported Not reported Tank External Protec Date:

Date Tank Permanently Closed/ Removed: Not reported

Dt Tk Exp Brought InUse/Internal Tracking:

Date Tank Last Used:

Tank Fees Waived: No Expedite Closure On Tank?: No

Responsible Person Expediting Closure: Not reported Temporary Status Verified Date: Not reported Admin Fee 585: Not reported Date Administratively Closed: Not reported Date Record Added: 01/22/2013 Date Record Edited: 03/30/2023 Person Adding/Editing Record: VANDEPOPUL, C Date Of NFA Letter: Not reported

Not reported

Is Tank Used For Emergency Generator: No

Date Closure Notice Received:

Date Of Aprroval Letter:

Not reported

Og/30/2024

LockOut Flag: No

Comments: Not reported

Tank Compartment:

Tanks Use: False
Compartment No: 1
Tank Compartment PK: 33763
Tank PK: 33764
Case Number: Not reported
Compartment Status: Curently in use
Compartment Temp Verified Dt: Not reported
Capacity: 8000

Not reported

Direction
Distance
Elevation

stance EDR ID Number evation Site Database(s) EPA ID Number

PHILLIPS 66 FENTON (Continued)

U001159097

Substance: F

Substance Other:

Hazardous Substance:

Mixture:

Date of Last Use:

Not reported

Not reported

Not reported

Not reported

Not reported

Pipe Installation Date: 1986-01-01 00:00:00

Pipe System: 1
Pipe Material: 2

Pipe Material Other: Not reported Pipe Protection: Not reported Pipe Protection Date: Not reported

Pipe Double Wall: 0
Spill Protection: True

Owner:

Owner ID: OW22911

Owner Name: SHREEJI OF FENTON
Owner Address: 600 GRAVOIS RD
Owner City,St,Zip: FENTON, MO 63026

Owner County Code:

Owner Phone:

Mail Was Not Deliverable:

Is Owner Active?:

Not reported
4749352

No
Yes

Date Registration Received:

Date Record Added:

Date Record Edited:

Not reported
2023-03-30 00:00:00
2023-03-30 00:00:00

Name of Person Editing Record:

VANDEPOPUL, C

Tank ID: 2
Tank Double Wall: 0
Tank Type: Below Ground

Tank Status: Curently in use Meet 98 Update Requirements: Not reported 01/01/1986 Date Tank Installed: Tank Material: **Fiberglass** Code for Tank Material Manufacturer: Not reported Not reported Code for Tank Installer: Other Type Of Tank Material: Not reported Tank Internal Protection: Not reported Other Tank Internal Protection: Not reported Tank Internal Protection Date: Not reported Tank External Protection: Not reported Other Type Tank Extrn Protec: Not reported Tank External Protec Date: Not reported Date Tank Last Used: Not reported Date Tank Permanently Closed/ Removed: Not reported

Dt Tk Exp Brought InUse/Internal Tracking:

Tank Fees Waived: No Expedite Closure On Tank?: No

Responsible Person Expediting Closure:
Temporary Status Verified Date:
Admin Fee 585:
Not reported
Date Administratively Closed:
Not reported
Not reported
Not reported
Not reported
Not reported
Not reported
Oatle Record Added:
01/22/2013
Date Record Edited:
03/30/2023

Not reported

Direction
Distance
Elevation

tion Site Database(s) EPA ID Number

PHILLIPS 66 FENTON (Continued)

U001159097

EDR ID Number

Person Adding/Editing Record: VANDEPOPUL, C
Date Of NFA Letter: Not reported

Is Tank Used For Emergency Generator: No

Date Closure Notice Received:

Date Of Aprroval Letter:

Not reported

Comments: Not reported

Tank Compartment:

Tanks Use: False Compartment No: 33764 Tank Compartment PK: Tank PK: 33765 Case Number: Not reported Curently in use Compartment Status: Compartment Temp Verified Dt: Not reported 10000 Capacity: Substance: R

Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported

Pipe Installation Date: 1986-01-01 00:00:00

Pipe System: 1
Pipe Material: 2

Pipe Material Other:
Pipe Protection:
Not reported
Not reported
Not reported
Not reported

Pipe Double Wall: 0
Spill Protection: True

Owner:

Owner ID: OW22911

Owner Name: SHREEJI OF FENTON
Owner Address: 600 GRAVOIS RD
Owner City, St, Zip: FENTON, MO 63026
Owner County Code: Net reported

Owner County Code:

Owner Phone:

Mail Was Not Deliverable:

Is Owner Active?:

Not reported
4749352

No
Yes

Date Registration Received: Not reported
Date Record Added: 2023-03-30 00:

Date Record Added:2023-03-30 00:00:00Date Record Edited:2023-03-30 00:00:00Name of Person Editing Record:VANDEPOPUL, C

Tank ID: 3
Tank Double Wall: 0

Tank Type: Below Ground
Tank Status: Curently in use
Meet 98 Update Requirements: Not reported
Date Tank Installed: 01/01/1986
Tank Material: Fiberglass

Direction Distance

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

PHILLIPS 66 FENTON (Continued)

U001159097

Code for Tank Material Manufacturer: Not reported Not reported Code for Tank Installer: Other Type Of Tank Material: Not reported Tank Internal Protection: Not reported Other Tank Internal Protection: Not reported Not reported Tank Internal Protection Date: Not reported Tank External Protection: Other Type Tank Extrn Protec: Not reported Tank External Protec Date: Not reported Date Tank Last Used: Not reported Date Tank Permanently Closed/ Removed: Not reported

Dt Tk Exp Brought InUse/Internal Tracking: Tank Fees Waived: No Expedite Closure On Tank?: No Responsible Person Expediting Closure: Not reported

Temporary Status Verified Date: Not reported Admin Fee 585: Not reported Date Administratively Closed: Not reported Date Record Added: 01/22/2013 Date Record Edited: 03/30/2023 Person Adding/Editing Record: VANDEPOPUL, C Date Of NFA Letter: Not reported

Is Tank Used For Emergency Generator: No

Date Closure Notice Received: Not reported Date Of Aprroval Letter: Not reported Firm Closing Tank: Not reported Not reported Date Closure Report Received: Registration End Date: 09/30/2024 LockOut Flag: Comments: Not reported

Tank Compartment:

Tanks Use: False Compartment No: Tank Compartment PK: 33765 Tank PK: 33766 Case Number: Not reported Compartment Status: Curently in use Compartment Temp Verified Dt: Not reported 12000 Capacity: Substance:

Substance Other: Not reported Hazardous Substance: Not reported Mixture: False Date of Last Use: Not reported

Pipe Installation Date: 1986-01-01 00:00:00

Pipe System: 8 Pipe Material:

Pipe Material Other: Not reported Pipe Protection: Not reported Pipe Protection Date: Not reported

Pipe Double Wall: Spill Protection: True

Tank Aug 2011:

Facility Id: ST0013300

Not reported

Map ID MAP FINDINGS
Direction

Distance Elevation

Site Database(s) EPA ID Number

PHILLIPS 66 FENTON (Continued)

U001159097

EDR ID Number

Tank ld:

Site Usage: Not reported Risk Type: Not reported Soil Type: Not reported GW Flow: Not reported Offsite Impact: Not reported Free Product: Not reported Drinking Water: Not reported Closed Under: Not reported

No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0013300

Tank ld: 2

Site Usage: Not reported Risk Type: Not reported Soil Type: Not reported GW Flow: Not reported Offsite Impact: Not reported Free Product: Not reported Drinking Water: Not reported Closed Under: Not reported

No Drinking Wells:
No No Buildings:
Vapor Barrier:
OSt Louis Mo:
No Special Well Area:
No Surface Cap:
No No Excavation:

Facility Id: ST0013300

Tank ld:

Site Usage: Not reported Risk Type: Not reported Not reported Soil Type: GW Flow: Not reported Offsite Impact: Not reported Free Product: Not reported Drinking Water: Not reported Closed Under: Not reported

No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Direction Distance

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

D20 MSD FENTON WASTE WATER TREATMENT PLANT RCRA NonGen / NLR 1024888779 MOR000560409

SE 75 OPPS LN FENTON, MO 63026 < 1/8

0.089 mi.

471 ft. Site 1 of 2 in cluster D

Relative: RCRA Listings:

Lower Date Form Received by Agency: 20200316

Msd Fenton Waste Water Treatment Plant Handler Name: Actual:

75 OPPS LN Handler Address: 406 ft. Handler City, State, Zip:

FENTON, MO 63026-4156 EPA ID: MOR000560409

TODD HELLER Contact Name: 1000 GRAND GLAIZE PKWY Contact Address:

VALLEY PARK, MO 63088-1952 Contact City, State, Zip: Contact Telephone: 636-861-6701

Contact Fax: Not reported

Contact Email: THELLER@STLMSD.COM

Contact Title: **OPERATIONS DIVISION MANAGER**

EPA Region: Land Type: District

Federal Waste Generator Description: Not a generator, verified

Non-Notifier: Not reported Biennial Report Cycle: Not reported Not reported Accessibility: Active Site Indicator: Not reported State District Owner: Not reported Not reported State District:

Mailing Address: 1000 GRAND GLAIZE PKWY Mailing City, State, Zip: VALLEY PARK, MO 63088-1952 Owner Name: Metropolitan Saint Louis Sewer Dis

Owner Type: District

Operator Name: Metropolitan Saint Louis Sewer Dis

Operator Type: District Short-Term Generator Activity: No Importer Activity: No Mixed Waste Generator: No Transporter Activity: No Transfer Facility Activity: No Recycler Activity with Storage: No Small Quantity On-Site Burner Exemption: No Smelting Melting and Refining Furnace Exemption: No **Underground Injection Control:** No No

Off-Site Waste Receipt: Universal Waste Indicator: No Universal Waste Destination Facility: No Federal Universal Waste: No Active Site State-Reg Handler:

Federal Facility Indicator: Not reported

Hazardous Secondary Material Indicator:

Sub-Part K Indicator: Not reported 2018 GPRA Permit Baseline: Not on the Baseline 2018 GPRA Renewals Baseline: Not on the Baseline

202 GPRA Corrective Action Baseline: No Subject to Corrective Action Universe: No Non-TSDFs Where RCRA CA has Been Imposed Universe: No

Corrective Action Priority Ranking: No NCAPS ranking

Environmental Control Indicator: No Institutional Control Indicator: No

Direction Distance Elevation

tance EDR ID Number vation Site Database(s) EPA ID Number

MSD FENTON WASTE WATER TREATMENT PLANT (Continued)

1024888779

Human Exposure Controls Indicator:

N/A
Groundwater Controls Indicator:

N/A
Significant Non-Complier Universe:

No
Unaddressed Significant Non-Complier Universe:

No
Addressed Significant Non-Complier Universe:

No
Significant Non-Complier With a Compliance Schedule Universe:

No

Financial Assurance Required: Not reported Handler Date of Last Change: 20210107 Recognized Trader-Importer: No Recognized Trader-Exporter: No Importer of Spent Lead Acid Batteries: No Exporter of Spent Lead Acid Batteries: No Recycler Activity Without Storage: No Manifest Broker: No Sub-Part P Indicator: No

Hazardous Waste Summary:

Waste Code: D002

Waste Description: Corrosive Waste

Handler - Owner Operator:

Owner/Operator Indicator:
Owner/Operator Name: METROPOLITAN SAINT LOUIS SEWER DIS
Legal Status:
Date Became Current:
Date Ended Current:
Owner/Operator Address:
Operator
Oper

Owner/Operator City, State, Zip: ST LOUIS, MO 63103-2519

Owner/Operator Telephone: 314-768-6200
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator:
Owner/Operator Name: METROPOLITAN SAINT LOUIS SEWER DIS
Legal Status:
Date Became Current:
Date Ended Current:
Owner/Operator Address:
Owner/Operator Address:
Owner

Owner/Operator City, State, Zip: ST LOUIS, MO 63103-2519

Owner/Operator Telephone: 314-768-6200
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator:
Owner/Operator Name: METROPOLITAN SAINT LOUIS SEWER DIS
Legal Status:
Date Became Current:
Date Ended Current:
Owner/Operator Address:
Owner/Operator Address:
Owner/Operator Address:
Owner/Operator Indicator:
Owner/Operator In

Owner/Operator City, State, Zip: ST LOUIS, MO 63103-2519

Owner/Operator Telephone: 314-768-6200
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported

Direction Distance

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

MSD FENTON WASTE WATER TREATMENT PLANT (Continued)

1024888779

Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator Owner/Operator Name: METROPOLITAN SAINT LOUIS SEWER DIS Legal Status: District Date Became Current: 20180706 Date Ended Current: Not reported Owner/Operator Address: 2350 MARKET ST

Owner/Operator City, State, Zip: ST LOUIS, MO 63103-2519

Owner/Operator Telephone: 314-768-6200 Owner/Operator Telephone Ext: Not reported Owner/Operator Fax: Not reported Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator Owner/Operator Name: METROPOLITAN SAINT LOUIS SEWER DIS Legal Status: District Date Became Current: 20180706 Date Ended Current: Not reported 2350 MARKET ST Owner/Operator Address:

Owner/Operator City, State, Zip: ST LOUIS, MO 63103-2519

Owner/Operator Telephone: 314-768-6200 Owner/Operator Telephone Ext: Not reported Owner/Operator Fax: Not reported Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner Owner/Operator Name: METROPOLITAN SAINT LOUIS SEWER DIS Legal Status: District 20180706 Date Became Current: Date Ended Current: Not reported 2350 MARKET ST Owner/Operator Address:

Owner/Operator City, State, Zip: ST LOUIS, MO 63103-2519

Owner/Operator Telephone: 314-768-6200 Owner/Operator Telephone Ext: Not reported Owner/Operator Fax: Not reported Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 20180711

MSD FENTON WASTE WATER TREATMENT PLANT Handler Name: Federal Waste Generator Description: Small Quantity Generator

State District Owner: Not reported

Large Quantity Handler of Universal Waste: No Recognized Trader Importer: Nο Recognized Trader Exporter: No Spent Lead Acid Battery Importer: No Spent Lead Acid Battery Exporter: No Current Record: No Non Storage Recycler Activity:

Not reported Electronic Manifest Broker: Not reported

Receive Date: 20180706

MSD FENTON WASTE WATER TREATMENT PLANT Handler Name: Federal Waste Generator Description: Small Quantity Generator

State District Owner: Not reported

Large Quantity Handler of Universal Waste: No

Direction Distance

Elevation Site Database(s) EPA ID Number

MSD FENTON WASTE WATER TREATMENT PLANT (Continued)

1024888779

EDR ID Number

Recognized Trader Importer:

Recognized Trader Exporter:

No
Spent Lead Acid Battery Importer:

No
Spent Lead Acid Battery Exporter:

No
Current Record:

No

Non Storage Recycler Activity: Not reported Electronic Manifest Broker: Not reported

Receive Date: 20200316

Handler Name: MSD FENTON WASTE WATER TREATMENT PLANT Federal Waste Generator Description: Not a generator, verified

State District Owner: Not reported

Large Quantity Handler of Universal Waste:

Recognized Trader Importer:

No
Recognized Trader Exporter:

No
Spent Lead Acid Battery Importer:

No
Spent Lead Acid Battery Exporter:

No
Current Record:

No

Non Storage Recycler Activity: Not reported Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 22132

NAICS Description: SEWAGE TREATMENT FACILITIES

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

D21 MSD FENTON WASTE WATER TREATMENT PLANT ICIS 1016121844

SE 75 OPPS LN FINDS N/A

< 1/8 FENTON, MO 63026 PFAS ECHO

0.089 mi.

0.089 mi.

471 ft. Site 2 of 2 in cluster D

Relative: ICIS:

 Lower
 Enforcement Action ID:
 07-2003-0343

 Actual:
 FRS ID:
 110000576500

406 ft. Action Name: METROPOLITAN ST LOUIS SEWER DISTRICT; MSD

Facility Name: FENTON WASTEWATER TREATMENT PLANT

Facility Address: 75 OPPS LANE

FENTON, MO 63026
Enforcement Action Type: Civil Judicial Action
Facility County: Not reported

Program System Acronym: ICIS
Enforcement Action Forum Desc: Judicial
EA Type Code: CIV

Facility SIC Code:
Federal Facility ID:
Latitude in Decimal Degrees:
Longitude in Decimal Degrees:
Permit Type Desc:
Program System Acronym:

Not reported
Not reported
Not reported
S870973

Map ID MAP FINDINGS
Direction

Distance Elevation

ation Site Database(s) EPA ID Number

MSD FENTON WASTE WATER TREATMENT PLANT (Continued)

1016121844

EDR ID Number

Facility NAICS Code: Not reported Tribal Land Code: Not reported

Facility Name: FENTON WASTEWATER TREATMENT PLANT

Address: 75 OPPS LANE

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

Facility Name: FENTON WASTEWATER TREATMENT PLANT

Address: 75 OPPS LANE

Tribal Indicator: N
Fed Facility: No
NAIC Code: Not re

NAIC Code: Not reported SIC Code: Not reported

Facility Name: FENTON WASTEWATER TREATMENT PLANT

Address: 75 OPPS LANE

Tribal Indicator: N
Fed Facility: No

NAIC Code: Not reported SIC Code: Not reported

Facility Name: FENTON WASTEWATER TREATMENT PLANT

Address: 75 OPPS LANE

Tribal Indicator: N
Fed Facility: No

NAIC Code: Not reported SIC Code: Not reported

Facility Name: FENTON WASTEWATER TREATMENT PLANT

Address: 75 OPPS LANE

Tribal Indicator: N
Fed Facility: No

NAIC Code: Not reported SIC Code: Not reported

FINDS:

Registry ID: 110000576500

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:

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

The Risk Management Plan (RMP) database stores the risk management plans reported by companies that handle, manufacture, use, or store certain flammable or toxic substances, as required under section 112(r) of the Clean Air Act (CAA).

The Air Facility System (AFS) contains compliance and permit data for stationary sources of air pollution regulated by the EPA, state, and

Direction Distance Elevation

Site Database(s) EPA ID Number

MSD FENTON WASTE WATER TREATMENT PLANT (Continued)

1016121844

EDR ID Number

local air pollution agencies.

ICIS-Air (AIR) AIR is the modernization of the Air Facility System (AFS) into the Integrated Compliance Information System (ICIS). AIR contains enforcement, compliance, and permit data for stationary sources of air pollution regulated by the EPA, State, and Local air pollution agencies.

The Integrated Compliance Information System (ICIS) provides a database that, when complete, will contain integrated enforcement and compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions and a subset of the Permit Compliance System (PCS), which supports the National Pollutant Discharge Elimination System (NPDES). This information is maintained in ICIS by EPA in the Regional offices and it at Headquarters. A future release of ICIS will completely replace PCS and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities that support compliance and enforcement programs, including incident tracking, compliance assistance, and compliance monitoring.

The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.

The National Pollutant Discharge Elimination System (NPDES) module of the Integrated Compliance Information System (ICIS). Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

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

PFAS ECHO:

Name: MSD FENTON WASTE WATER TREATMENT PLANT

Address: Not reported
City, State, Zip: FENTON, MO
Latitude: 38.508833
Longitude: -90.429833

Count:

County: ST LOUIS Status: Active Region: 07

Industry: Waste Management

ECHO Facility Report: https://echo.epa.gov/detailed-facility-report?fid=110000576500

Facility Percent Minority: 5.823
Facility Derived Tribes: -

Facility Population: 1400.64

EPA Programs: CAA; CWA; RCRA

Federal Facility:

Federal Agency:

Facility FIPS Code:

Facility Indian Country Flag:

N

No

29189

N

Direction Distance

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

MSD FENTON WASTE WATER TREATMENT PLANT (Continued)

1016121844

Facility Collection Method: GPS CARRIER PHASE STATIC RELATIVE POSITION

Facility Derived HUC: 07140102 Facility Derived WBD: 071401021003

Facility Derived CD113: 02

Facility Derived CB2010: 291892214232042

Facility Major Flag: Facility Active Flag: Υ Facility Inspection Count:

Facility Date Last Inspection: 8/11/2022 Facility Days Last Inspection: 324 Facility Informal Count: 0 Facility Date Last Informal Action: Facility Formal Action Count: 0

Facility Date Last Formal Action: 4/27/2012 Facility Total Penalties: 0

Facility Penalty Count:

Facility Date Last Penalty: 4/27/2012 Facility Last Penalty AMT: 1,200,000 Facility QTRS With NC: Facility Programs With SNC: 0

Facility Compliance Status: No Violation Identified

Facility SNC Flag: AIR Flag: NPDES Flag: SDWIS Flag: Ν RCRA Flag: TRI Flag: Ν GHG Flag:

MO000002918901208 AIR IDS:

CAA Permit Types: Minor Emissions CAA NAICS: 221320 CAA SICS: 4953 NPDES IDS: MO0086126 CWA Permit Types: Major CWA NAICS:

CWA SICS: 4952

RCRA Permit Types:

RCRA IDS: MOR000560409

RCRA NAICS: 22132 SDWA IDS: SDWA System Types: SDWA Compliance Status: SDWA SNC Flag: Ν TRI IDS: TRI Releases Transfers:

TRI On Site Releases: TRI Off Site Transfers: TRI Reporter: Facility IMP Water Flag: Υ **EJSCREEN Flag US:**

https://ejscreen.epa.gov/mapper/mobile/EJSCREEN mobile.aspx?geometry=% **EJSCREEN Report:**

7B%22x%22:-90.429833,%22y%22:38.508833,%22spatialReference%22:%7B%22wk id%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=

Other

BIOSOLIDS:

MO0086126 NPDES ID:

Direction Distance

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

MSD FENTON WASTE WATER TREATMENT PLANT (Continued)

1016121844

Registry ID: 110000576500 CWP Name: MSD FENTON WWTP

CWP Street: 75 OPPS LN CWP City, State, Zip: FENTON, MO 63026

CWP County: ST. LOUIS

CWP EPA Region: CWP Indian Country: Ν

CWP Tribal Land Code: Not reported

CWP Version Number: CWP Permit Status Code: ADC

CWP Permit Status Description: Admin Continued

CWP Permit Type Code: NPD

CWP Permit Type Description: NPDES Individual Permit **CWP Expiration Date:** 2022-12-31 00:00:00

CWP Facility Type Indicator: **POTW** Master External Permit Number: Not reported Issuing Agency: State

CWP Issue Date: 2018-01-01 00:00:00 CWP Effective Date: 2018-10-01 00:00:00

CWP Termination Date: Not reported

Biosolids, POTW, Pretreatment Permit Components:

Biosolids:

U001159095 C22 SHELL OIL CO LUST **WSW 611 GRAVOIS UST** N/A

< 1/8

0.107 mi.

FENTON, MO 63026

563 ft.

Site 3 of 4 in cluster C

Relative: LUST: Higher Name: SHELL OIL CO 611 GRAVOIS Address: Actual: FENTON, MO 63026 City,State,Zip: 428 ft. Facility ID: ST0012920

Region: SL - St. Louis Regional Office

Lat/Long (dms): Not reported Spill Number: Not reported 11/21/1989 Release Date:

UNDERGROUND STORAGE TANK Release Type:

Date Cleanup Started: 04/04/1990 Date Cleanup Finished: 11/02/2009 Expedited: No **Expedited Date:** Not reported

Expenditures From The American Recovery and Reinvestment Act of 2009No

Reopened Date: Not reported

Number Of Remediation Monitoring Wells: 0 Active: No

Date Of NFA Letter From DNR: 2009-11-02 00:00:00

Date Record Meets Archive Criteria: 05/10/2011 Remediation ID: R001374 Rank: 32

Emergeny Response Date: Not reported **Emergency Cleanup Start:** Not reported Referred To DGLS for Investigation: Not reported

Contractor Performing Clean Up: 83 RBCA NFA: Yes Project Manager:

Next Correspondence/Update With Fac: Not reported Map ID MAP FINDINGS
Direction

Distance Elevation Site

Site Data

EDR ID Number
Database(s) EPA ID Number

SHELL OIL CO (Continued)

Date Added: 06/30/1995
Date Record Edited: 02/03/2010
Person Adding Or Editing Record: GARRETT, V

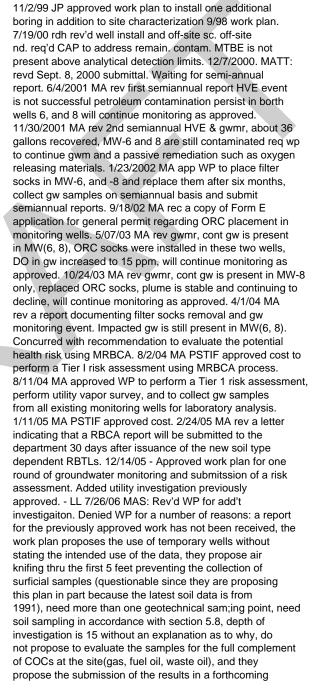
Facility Sent To State Archive: Yes

Date Remediation Unit Closed The File: Not reported

Site Affectd By Funding Level From PSTIF: No

General Comments:

U001159095



Map ID Direction Distance Elevation

Site

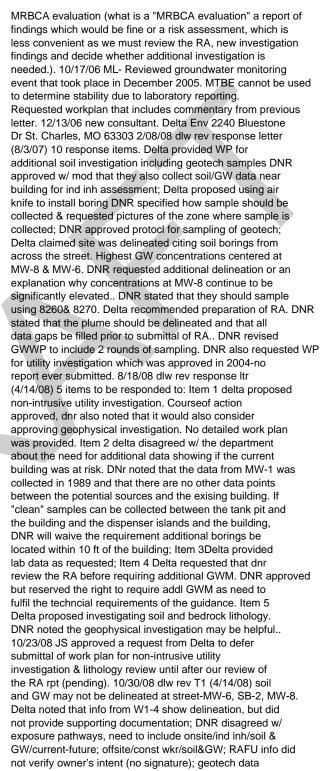
MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

SHELL OIL CO (Continued)

U001159095



Direction Distance Elevation

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

SHELL OIL CO (Continued)

U001159095

EDR ID Number

collected too shallow (4' bgs). DNR requested the following: map showing hypothetical building with eval of future building pathway; WP for collecting ind inh/soil GW data for existing building-dept has requested on multiple occasions; documentation for W1 - W4; updated exposure model, RAFU verification. 1/29/09 dlw rev WP/response letter (1/12/09) delta responded appropriately to the items noted in the previous letter and provided work plan for additional well, hypothetical building etc. DNR requested updated exposure model 9/29/09 dlw rev t1 addendum (6/10/09) updated rep cons & discussion of pathways. Recommend NFRA 11/2/09 Issued NFRA 12/17/09 AC rev wp for monitoring well abandonment. Approved as written. 2/3/10 vg rev well abandonment report, wells properly closed.

UST:

ST0012920 Facility ID:

Region:

Easting: 723049.227 4265864.45 Northing:

Owner Of Geospatial Data: Hazardous Waste Program

Geospatial Data Collected By: CON Fortin, Joel Date GIS Data Collected: 04/21/2014

38.51324 / -90.441758 Lat/Long:

Lat/Long (dms): Not reported

Tanks:

Owner:

Owner ID: OW04256

Owner Name: SHELL OIL COMPANY

Owner Address: 500 CHESTERFIELD CTR STE 350 Owner City, St, Zip: CHESTERFIELD, MO 63017

Owner County Code: Not reported Owner Phone: 5372100 Mail Was Not Deliverable: No Is Owner Active?: No

Date Registration Received: Not reported Date Record Added: 1995-06-30 00:00:00 1998-11-23 00:00:00 Date Record Edited:

Name of Person Editing Record: **NRESSD**

Tank ID: Tank Double Wall: n

Tank Type: Below Ground **Tank Status:** Removed Meet 98 Update Requirements: Not reported Date Tank Installed: Not reported Tank Material: Fiberglass Code for Tank Material Manufacturer: Not reported Not reported Code for Tank Installer: Other Type Of Tank Material: Not reported Tank Internal Protection: Not reported Other Tank Internal Protection: Not reported Tank Internal Protection Date: Not reported Tank External Protection: Not reported Other Type Tank Extrn Protec: Not reported

Direction Distance

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

SHELL OIL CO (Continued) U001159095

Tank External Protec Date: Not reported 12/19/1989 Date Tank Last Used: Date Tank Permanently Closed/ Removed: 12/19/1989

Dt Tk Exp Brought InUse/Internal Tracking: Not reported

Tank Fees Waived: Expedite Closure On Tank?: No

Responsible Person Expediting Closure: Not reported Temporary Status Verified Date: Not reported Admin Fee 585: Not reported Date Administratively Closed: Not reported 06/30/1995 Date Record Added: Date Record Edited: 12/14/2009 Person Adding/Editing Record: CLARK, HILLARY Date Of NFA Letter: 12/19/1989

Is Tank Used For Emergency Generator: Date Closure Notice Received: 05/30/1989 Date Of Aprroval Letter: 12/19/1989

SHELL OIL COMPANY Firm Closing Tank:

Date Closure Report Received: 11/21/1989 Registration End Date: Not reported LockOut Flag: No

FROM LAB. One (1) 8,000-gallon gasoline,m three (3) 4,000-gallon Comments:

gasoline, one 550-gallon used oil and one 550-gallon fuel oil heatin oil tank were removed from the site between August 9 - 16, 19898. All tanks considered unregulated since removed prior to

deadline.

Tank Compartment:

Tanks Use: False Compartment No: 32458 Tank Compartment PK: Tank PK: 32458 Case Number: Not reported Compartment Status: Removed Compartment Temp Verified Dt: Not reported Capacity: 7700

Substance: Gasoline, Including Blends

Substance Other: Not reported Hazardous Substance: Not reported

False Mixture: 1989-12-19 00:00:00 Date of Last Use:

Pipe Installation Date: Not reported Pipe System: Not reported Pipe Material:

Pipe Material Other: Not reported Pipe Protection: Not reported Pipe Protection Date: Not reported

Pipe Double Wall: Spill Protection: False

Owner:

OW04256 Owner ID:

Owner Name: SHELL OIL COMPANY

Owner Address: 500 CHESTERFIELD CTR STE 350 Owner City.St.Zip: CHESTERFIELD, MO 63017

Owner County Code: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

SHELL OIL CO (Continued) U001159095

Owner Phone: 5372100
Mail Was Not Deliverable: No
Is Owner Active?: No

Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 1998-11-23 00:00:00

Name of Person Editing Record: NRESSD

Tank ID: 2
Tank Double Wall: 0

Tank Type: Below Ground
Tank Status: Removed
Meet 98 Update Requirements: Not reported
Date Tank Installed: Not reported
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported

Code for Tank Installer: Not reported Other Type Of Tank Material: Not reported Tank Internal Protection: Not reported Other Tank Internal Protection: I Lining SW1856 Tank Internal Protection Date: Not reported Tank External Protection: Not reported Other Type Tank Extrn Protec: Not reported Not reported Tank External Protec Date: Date Tank Last Used: 12/19/1989 Date Tank Permanently Closed/ Removed: 12/19/1989

Dt Tk Exp Brought InUse/Internal Tracking:

Not reported

Tank Fees Waived: No Expedite Closure On Tank?: No Responsible Person Expediting Closure: Not reported Temporary Status Verified Date: Not reported Admin Fee 585: Not reported Date Administratively Closed: Not reported 06/30/1995 Date Record Added: Date Record Edited: 12/14/2009 CLARK, HILLARY

Person Adding/Editing Record: CLARK, HILL Date Of NFA Letter: 12/19/1989
Is Tank Used For Emergency Generator: No

Date Closure Notice Received: 05/30/1989
Date Of Aprroval Letter: 12/19/1989

Firm Closing Tank: SHELL OIL COMPANY

Date Closure Report Received: 11/21/1989
Registration End Date: Not reported

LockOut Flag: No

Comments: FROM LAB One (1) 8,000-gallon gasoline,m three (3) 4,000-gallon gasoline, one 550-gallon used oil and one 550-gallon fuel oil -

heatin oil tank were removed from the site between August 9 - 16, 19898. All tanks considered unregulated since removed prior to

deadline.

Tank Compartment:

Tanks Use: False
Compartment No: 1
Tank Compartment PK: 32459
Tank PK: 32459
Case Number: Not reported
Compartment Status: Removed

EDR ID Number

Distance Elevation

Site Database(s) EPA ID Number

SHELL OIL CO (Continued)

U001159095

EDR ID Number

Compartment Temp Verified Dt: Not reported Capacity: 4000

Substance: Gasoline, Including Blends

Substance Other: Not reported Hazardous Substance: Not reported Mixture: False

Date of Last Use: 1989-12-19 00:00:00
Pipe Installation Date: Not reported

Pipe System: Not reported Pipe Material: 2

Pipe Material Other: Not reported Pipe Protection: Not reported Pipe Protection Date: Not reported

Pipe Double Wall: 0
Spill Protection: False

Owner:

Owner ID: OW04256

Owner Name: SHELL OIL COMPANY

Owner Address: 500 CHESTERFIELD CTR STE 350
Owner City, St, Zip: CHESTERFIELD, MO 63017

Owner County Code:

Owner Phone:

Mail Was Not Deliverable:

Is Owner Active?:

Not reported

5372100

No

No

Date Registration Received:

Date Record Added:

Date Record Edited:

Not reported
1995-06-30 00:00:00
1998-11-23 00:00:00

Name of Person Editing Record: NRESSD

Tank ID: 3
Tank Double Wall: 0

Tank Type: Below Ground
Tank Status: Removed
Meet 98 Update Requirements: Not reported
Date Tank Installed: Not reported
Tank Material: Steel

Tank Material: Steel Code for Tank Material Manufacturer: Not reported Not reported Code for Tank Installer: Other Type Of Tank Material: Not reported Tank Internal Protection: Not reported Other Tank Internal Protection: Not reported Tank Internal Protection Date: Not reported Tank External Protection: Not reported Other Type Tank Extrn Protec: Not reported Tank External Protec Date: Not reported 12/19/1989 Date Tank Last Used: Date Tank Permanently Closed/ Removed: 12/19/1989

Dt Tk Exp Brought InUse/Internal Tracking:

Tank Fees Waived: No Expedite Closure On Tank?: No

Responsible Person Expediting Closure:
Temporary Status Verified Date:
Admin Fee 585:
Date Administratively Closed:
Not reported
Not reported
Not reported

Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

SHELL OIL CO (Continued) U001159095

Date Record Added: 06/30/1995
Date Record Edited: 12/14/2009
Person Adding/Editing Record: CLARK, HILLARY
Date Of NFA Letter: 12/19/1989

Date Of NFA Letter: 12/19/1989 Is Tank Used For Emergency Generator: No

Date Closure Notice Received: 05/30/1989
Date Of Aprroval Letter: 12/19/1989

Firm Closing Tank: SHELL OIL COMPANY

Date Closure Report Received: 11/21/1989
Registration End Date: Not reported

LockOut Flag: No

Comments: FROM LAB One (1) 8,000-gallon gasoline,m three (3) 4,000-gallon

gasoline, one 550-gallon used oil and one 550-gallon fuel oil heatin oil tank were removed from the site between August 9 - 16, 19898. All tanks considered unregulated since removed prior to

deadline.

Tank Compartment:

Tanks Use: False
Compartment No: 1
Tank Compartment PK: 32460
Tank PK: 32460
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported

Capacity: 4000

Substance: Gasoline, Including Blends

Substance Other: Not reported Hazardous Substance: Not reported Mixture: False

Date of Last Use: 1989-12-19 00:00:00

Pipe Installation Date: Not reported
Pipe System: Not reported

Pipe Material: 2

Pipe Material Other:
Pipe Protection:
Not reported
Not reported
Not reported
Pipe Protection Date:
Not reported
Not reported
O

Spill Protection: False

Owner:

Owner ID: OW04256

Owner Name: SHELL OIL COMPANY

Owner Address: 500 CHESTERFIELD CTR STE 350 Owner City, St, Zip: CHESTERFIELD, MO 63017

Owner County Code:
Owner Phone:
Mail Was Not Deliverable:
No
Is Owner Active?:
Not reported
5372100
No

Date Registration Received:

Date Record Added:

Date Record Edited:

Not reported
1995-06-30 00:00:00
1998-11-23 00:00:00

Name of Person Editing Record: NRESSD

Tank ID: 4

EDR ID Number

Direction Distance Elevation

nce EDR ID Number ttion Site Database(s) EPA ID Number

SHELL OIL CO (Continued) U001159095

Tank Double Wall:

Tank Type: Below Ground
Tank Status: Removed
Meet 98 Update Requirements: Not reported
Date Tank Installed: Not reported
Tank Material: Steel

Code for Tank Material Manufacturer: Not reported Code for Tank Installer: Not reported Other Type Of Tank Material: Not reported Tank Internal Protection: Not reported Other Tank Internal Protection: Not reported Not reported Tank Internal Protection Date: Tank External Protection: Not reported Other Type Tank Extrn Protec: Not reported Tank External Protec Date: Not reported 12/19/1989 Date Tank Last Used: Date Tank Permanently Closed/ Removed: 12/19/1989

Dt Tk Exp Brought InUse/Internal Tracking:

Tank Fees Waived: No Expedite Closure On Tank?: No

Responsible Person Expediting Closure: Not reported Temporary Status Verified Date: Not reported Admin Fee 585: Not reported Date Administratively Closed: Not reported 06/30/1995 Date Record Added: Date Record Edited: 12/14/2009 Person Adding/Editing Record: CLARK, HILLARY Date Of NFA Letter: 12/19/1989

Is Tank Used For Emergency Generator: No
Date Closure Notice Received: 05/30/1989
Date Of Aprroval Letter: 12/19/1989

Firm Closing Tank: SHELL OIL COMPANY

Date Closure Report Received: 11/21/1989
Registration End Date: Not reported

LockOut Flag: No

Comments: FROM LAB One (1) 8,000-gallon gasoline,m three (3) 4,000-gallon gasoline, one 550-gallon used oil and one 550-gallon fuel oil - heatin oil tank were removed from the site between August 9 - 16,

19898. All tanks considered unregulated since removed prior to

Not reported

deadline.

Tank Compartment:

Tanks Use: False
Compartment No: 1
Tank Compartment PK: 32461
Tank PK: 32461
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 4000

Substance: Gasoline, Including Blends

Substance Other: Not reported Hazardous Substance: Not reported Mixture: False

Date of Last Use: 1989-12-19 00:00:00

Pipe Installation Date: Not reported Pipe System: Not reported

Pipe Material: 2

Direction Distance

Elevation Site Database(s) **EPA ID Number**

SHELL OIL CO (Continued)

U001159095

EDR ID Number

Pipe Material Other: Not reported Pipe Protection: Not reported Pipe Protection Date: Not reported

Pipe Double Wall: Spill Protection: False

Owner:

Owner ID: OW04256

SHELL OIL COMPANY Owner Name:

Owner Address: 500 CHESTERFIELD CTR STE 350 Owner City,St,Zip: CHESTERFIELD, MO 63017

Owner County Code: Not reported Owner Phone: 5372100 Mail Was Not Deliverable: No Is Owner Active?: No

Date Registration Received: Not reported Date Record Added: 1995-06-30 00:00:00 Date Record Edited: 1998-11-23 00:00:00

Name of Person Editing Record: **NRESSD**

Tank ID: 5 Tank Double Wall: O

Tank Type: **Below Ground Tank Status:** Removed Meet 98 Update Requirements: Not reported Date Tank Installed: Not reported Tank Material: Steel Code for Tank Material Manufacturer: Not reported Code for Tank Installer: Not reported Other Type Of Tank Material: Not reported Not reported Tank Internal Protection: Other Tank Internal Protection: Not reported Tank Internal Protection Date: Not reported Tank External Protection: Not reported Other Type Tank Extrn Protec: Not reported Tank External Protec Date: Not reported

Date Tank Permanently Closed/ Removed: 12/19/1989 Dt Tk Exp Brought InUse/Internal Tracking:

Date Tank Last Used:

Not reported

12/19/1989

Tank Fees Waived: No Expedite Closure On Tank?: No

Responsible Person Expediting Closure: Not reported Temporary Status Verified Date: Not reported Admin Fee 585: Not reported Date Administratively Closed: Not reported 06/30/1995 Date Record Added: Date Record Edited: 12/14/2009 Person Adding/Editing Record: CLARK, HILLARY Date Of NFA Letter: 12/19/1989

Is Tank Used For Emergency Generator:

Date Closure Notice Received: 05/30/1989 Date Of Aprroval Letter: 12/19/1989

Firm Closing Tank: SHELL OIL COMPANY

Date Closure Report Received: 11/21/1989 Registration End Date: Not reported

Direction Distance Elevation

n Site Database(s) EPA ID Number

SHELL OIL CO (Continued)

LockOut Flag: No

Comments: FROM LAB One (1) 8,000-gallon gasoline,m three (3) 4,000-gallon

gasoline, one 550-gallon used oil and one 550-gallon fuel oil heatin oil tank were removed from the site between August 9 - 16, 19898. All tanks considered unregulated since removed prior to

deadline.

Tank Compartment:

Tanks Use: False Compartment No: Tank Compartment PK: 32462 Tank PK: 32462 Case Number: Not reported Compartment Status: Removed Compartment Temp Verified Dt: Not reported Capacity: 1000 Other Substance: Substance Other: Not reported Not reported

Hazardous Substance: Not re Mixture: False

Date of Last Use: 1989-12-19 00:00:00

Pipe Installation Date: Not reported Pipe System: Not reported

Pipe Material: 1

Pipe Material Other: Not reported Pipe Protection: Not reported Pipe Protection Date: Not reported

Pipe Double Wall: 0
Spill Protection: False

Tank Aug 2011:

Facility Id: ST0012920

Tank ld: 1

Not reported Site Usage: Risk Type: Not reported Soil Type: Not reported GW Flow: Not reported Offsite Impact: Not reported Free Product: Not reported Drinking Water: Not reported Closed Under: Not reported

No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0012920

Tank Id: 2

Site Usage: Not reported Risk Type: Not reported Soil Type: Not reported GW Flow: Not reported Offsite Impact: Not reported

EDR ID Number

U001159095

Direction Distance Elevation

Site Database(s) EPA ID Number

SHELL OIL CO (Continued)

U001159095

EDR ID Number

Free Product: Not reported Drinking Water: Not reported Closed Under: Not reported

No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0012920

Tank ld: 3

Site Usage: Not reported Risk Type: Not reported Not reported Soil Type: GW Flow: Not reported Not reported Offsite Impact: Free Product: Not reported Drinking Water: Not reported Closed Under: Not reported

No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0012920
Tank Id: 4

Site Usage: Not reported Risk Type: Not reported Soil Type: Not reported GW Flow: Not reported Offsite Impact: Not reported

Free Product:

Drinking Water:

Closed Under:

No Drinking Wells:

No Product:

Not reported

No Proported

No No

No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0012920 Tank Id: 5

Site Usage: Not reported Risk Type: Not reported Soil Type: Not reported GW Flow: Not reported Offsite Impact: Not reported Free Product: Not reported Drinking Water: Not reported Closed Under: Not reported

Direction Distance

Elevation Site Database(s) **EPA ID Number**

SHELL OIL CO (Continued) U001159095

No Drinking Wells: No No Buildings: No Vapor Barrier: O St Louis Mo: No Special Well Area: No Surface Cap: No No Excavation: No

1020473794 C23 **NEALS SHELL SERVICE EDR Hist Auto** wsw **611 GRAVOIS** N/A

FENTON, MO 63026 < 1/8

0.107 mi.

563 ft. Site 4 of 4 in cluster C

Relative: Higher

EDR Hist Auto

Year: Name: Type: Actual:

1973 428 ft.

NEALS SHELL SERVICE Gasoline Service Stations 1974 **NEALS SHELL SERVICE** Gasoline Service Stations Gasoline Service Stations 1975 **NEALS SHELL SERVICE** 1976 **NEALS SHELL SERVICE** Gasoline Service Stations 1977 **NEALS SHELL SERVICE** Gasoline Service Stations **NEALS SHELL SERVICE** Gasoline Service Stations 1978 Gasoline Service Stations 1979 **NEALS SHELL SERVICE NEALS SHELL SERVICE** 1980 **Gasoline Service Stations**

NEALS SHELL SERVICE Gasoline Service Stations 1982 1983 **NEALS SHELL SERVICE** Gasoline Service Stations 1985 **NEALS SHELL SERVICE** Gasoline Service Stations 1986 **NEALS SHELL SERVICE** Gasoline Service Stations 1987 **NEALS SHELL SERVICE** Gasoline Service Stations 1988 **NEALS SHELL SERVICE** Gasoline Service Stations

1989 **NEALS SHELL SERVICE** Gasoline Service Stations **NEALS SHELL SERVICE** 1990 **Gasoline Service Stations NEALS SHELL SERVICE** 1991 Gasoline Service Stations

KAY'S CLEANERS S106875979 E24 AIRS West **54 WESTERN PLAZA DRYCLEANERS** N/A

1/8-1/4 **FENTON, MO 63026** 0.134 mi.

709 ft. Site 1 of 2 in cluster E AIRS:

Relative:

Higher Year: Not reported Name: KAY'S CLEANERS Actual: Address: **54 WESTERN PLAZA** 436 ft.

> City,State,Zip: FENTON, MO 63026 Facility ID: AP0001891414 Start Review Date: 06/28/2004 Program ID: AP200406103 Complete Date: 07/09/2004 Country: Not reported Permit Number: OP1414

Step Name: AP: Operating Permit Issued Permitee Name: AOP: Basic Operating Permit

SA Description: Not reported 54 Western Plaza Locator X:

EDR ID Number

Distance Elevation Site

Database(s)

S106875979

EDR ID Number

EPA ID Number

KAY'S CLEANERS (Continued)

Expiration Date: Jun 27 2009
Received Submittal Date: 06/28/2004
Description: Not reported

Contact Name: St. Louis County Air Program

Cons Name: KIM KWON Port Cnty: Not reported Permit Code: AOPB. FIPS Plant: 1891414 Contact Code: **APSTL** Days From Start: 4004 Days From Completion: 11 4004 Number of Days: Organization Formal Name: Not reported Affiliation Type Code: Not reported Facility Category Code: Not reported Facility Site Status Code: Not reported Facility Site Status Code Year: Not reported Facility Site Comment: Not reported NAICS Code: Not reported Supplemental Location Text: Not reported Latitude: Not reported Longitude: Not reported

Year: Not reported KAY S CLEANERS Name: Address: **54 WESTERN PLAZA** City,State,Zip: FENTON, MO Facility ID: AP200406103 Start Review Date: Not reported Program ID: Not reported Not reported Complete Date: Country: Not reported Permit Number: OP1414

Step Name: AP: Operating Permit Issued Permitee Name: AOP: Basic Operating Permit

SA Description:

Locator X:

Expiration Date:

Received Submittal Date:

Not reported

Not reported

Not reported

Description: General OP - Dry Cleaner

Contact Name: Not reported Cons Name: Not reported Port Cnty: Not reported Permit Code: Not reported FIPS Plant: Not reported Contact Code: Not reported Days From Start: Not reported Days From Completion: Not reported Number of Days: Not reported Organization Formal Name: Not reported Affiliation Type Code: Not reported Facility Category Code: Not reported Facility Site Status Code: Not reported Facility Site Status Code Year: Not reported Facility Site Comment: Not reported NAICS Code: Not reported Supplemental Location Text: Not reported

TC7466178.2s Page 72

Direction Distance

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

KAY'S CLEANERS (Continued) S106875979

Latitude: Not reported Not reported Longitude:

DRYCLEANERS:

Plant Number: 189-1414 253 DC Number: Abandoned Facility Status: Facility Contact: Kwon Kim Facility Phone: 636-305-9484

Site NA: No Dry Store: No DC Plant: Yes Supplier: 0 Chlorinated: -1 Non Chlorinated: 0

Supplier ID: Not reported OUID: 3370 Party ID: 370

WALMART SUPERCENTER #805 25 SSW 653 GRAVOIS BLUFFS BLVD

1/8-1/4 FENTON, MO 63026

0.148 mi. 781 ft.

Relative: RCRA Listings:

Higher Date Form Received by Agency:

Handler Name: Actual: Handler Address 480 ft. Handler City, State, Zip:

> EPA ID: Contact Name: Contact Address: Contact City, State, Zip: Contact Telephone: Contact Fax:

Contact Email: Contact Title: EPA Region: Land Type:

Federal Waste Generator Description:

Non-Notifier: Biennial Report Cycle: Accessibility: Active Site Indicator:

State District Owner: State District: Mailing Address:

Mailing City, State, Zip: Owner Name:

Owner Type: Operator Name: Operator Type:

Short-Term Generator Activity: Importer Activity: Mixed Waste Generator: Transporter Activity:

RCRA-SQG 1010322694 MOR000523035

20210524

Walmart Supercenter #805

653 GRAVOIS BLUFFS BLVD FENTON, MO 63026-7715

MOR000523035 **ROSE ARNOLD** PO BOX 8041 MS 0505 BENTONVILLE, AR 72712-8041

479-277-8972 Not reported

ROSE.ARNOLD@WALMART.COM

SENIOR MANAGER

07 Private

Small Quantity Generator

Not reported Not reported Not reported Handler Activities Not reported Not reported

PO BOX 8041 MS 0505 BENTONVILLE, AR 72712-8041

Walmart Stores East Lp

Private

Walmart Stores East Lp

Private No No No No

MAP FINDINGS Map ID Direction

Distance Elevation

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

WALMART SUPERCENTER #805 (Continued)

1010322694

EDR ID Number

Transfer Facility Activity: No Recycler Activity with Storage: No Small Quantity On-Site Burner Exemption: No Smelting Melting and Refining Furnace Exemption: No **Underground Injection Control:** No Off-Site Waste Receipt: No Universal Waste Indicator: No Universal Waste Destination Facility: Nο Federal Universal Waste: No Active Site State-Reg Handler: Federal Facility Indicator: Not reported

Hazardous Secondary Material Indicator: Sub-Part K Indicator: Not reported 2018 GPRA Permit Baseline: Not on the Baseline 2018 GPRA Renewals Baseline: Not on the Baseline

202 GPRA Corrective Action Baseline: No Subject to Corrective Action Universe: Nο Non-TSDFs Where RCRA CA has Been Imposed Universe: No

No NCAPS ranking Corrective Action Priority Ranking:

Environmental Control Indicator: No Institutional Control Indicator: No Human Exposure Controls Indicator: N/A Groundwater Controls Indicator: N/A Significant Non-Complier Universe: No Unaddressed Significant Non-Complier Universe: No Addressed Significant Non-Complier Universe: No Significant Non-Complier With a Compliance Schedule Universe: No

Financial Assurance Required: Not reported Handler Date of Last Change: 20220117 Recognized Trader-Importer: No Recognized Trader-Exporter: No

Importer of Spent Lead Acid Batteries: No Exporter of Spent Lead Acid Batteries: No Recycler Activity Without Storage: No Manifest Broker: No Sub-Part P Indicator: No

Hazardous Waste Summary:

Waste Code: D001

Waste Description: Ignitable Waste

Waste Code: D002

Waste Description: Corrosive Waste

Waste Code:

Waste Description: Reactive Waste

D004 Waste Code: Waste Description: Arsenic

Waste Code: D005 Waste Description: Barium

Waste Code: D006 Waste Description: Cadmium Map ID MAP FINDINGS
Direction

Distance EDR ID Number
Elevation Site EDR ID Number
Database(s) EPA ID Number

WALMART SUPERCENTER #805 (Continued)

1010322694

Waste Code: D007
Waste Description: Chromium

Waste Code: D008 Waste Description: Lead

Waste Code: D009
Waste Description: Mercury

Waste Code: D010
Waste Description: Selenium

Waste Code: D011
Waste Description: Silver

Waste Code: D013

Waste Description: Lindane (1,2,3,4,5,6-Hexa-Chlorocyclohexane, Gamma Isomer)

Waste Code: D016

Waste Description: 2,4-D (2,4-Dichlorophenoxyacetic Acid)

Waste Code: D018
Waste Description: Benzene

Waste Code: D022
Waste Description: Chloroform

Waste Code: D024
Waste Description: M-Cresol

Waste Code: D025
Waste Description: P-Cresol

Waste Code: D026 Waste Description: Cresol

Waste Code: D027

Waste Description: 1,4-Dichlorobenzene

Waste Code: D030

Waste Description: 2,4-Dinitrotoluene

Waste Code: D035

Waste Description: Methyl Ethyl Ketone

Waste Code: D039

Waste Description: Tetrachloroethylene

Waste Code: D040

Waste Description: Trichlorethylene

Waste Code: D043

Waste Description: Vinyl Chloride

Waste Code: P001

Waste Description: 2h-1-Benzopyran-2-One, 4-Hydroxy-3-(3-Oxo-1-Phenylbutyl)-, & Salts,

When Present At Concentrations Greater Than 0.3% (Or) Warfarin, &

Direction Distance Elevation

Site Database(s) EPA ID Number

WALMART SUPERCENTER #805 (Continued)

1010322694

EDR ID Number

Salts, When Present At Concentrations Greater Than 0.3%

Waste Code: P075

Waste Description: Nicotine, & Salts (Or) Pyridine, 3-(1-Methyl-2-Pyrrolidinyl)-,(S)-, &

Salts

Waste Code: U002

Waste Description: 2-Propanone (I) (Or) Acetone (I)

Waste Code: U034

Waste Description: Acetaldehyde, Trichloro- (Or) Chloral

Waste Code: U035

Waste Description: Benzenebutanoic Acid, 4-[Bis(2-Chloroethyl)Amino]- (Or) Chlorambucil

Waste Code: U044

Waste Description: Chloroform (Or) Methane, Trichloro-

Waste Code: U058

Waste Description: 2h-1,3,2-Oxazaphosphorin-2-Amine, N,N-Bis(2-Chloroethyl)Tetrahydro-,

2-Oxide (Or) Cyclophosphamide

Waste Code: U072

Waste Description: Benzene, 1,4-Dichloro- (Or) P-Dichlorobenzene

Waste Code: U080

Waste Description: Methane, Dichloro- (Or) Methylene Chloride

Waste Code: U089

Waste Description: Diethylstilbesterol (Or) Phenol, 4,4'-(1,2-Diethyl-1,2-Ethenediyl)Bis,

(E)-

Waste Code: U112

Waste Description: Acetic Acid, Ethyl Ester (I) (Or) Ethyl Acetate (I)

Waste Code: U122 Waste Description: Formaldehyde

Waste Code: U129

Waste Description: Cyclohexane, 1,2,3,4,5,6-Hexachloro-, (1alpha, 2alpha, 3beta, 4alpha,

5alpha, 6beta)- (Or) Lindane

Waste Code: U132

Waste Description: Hexachlorophene (Or) Phenol, 2,2'-Methylenebis[3,4,6-Trichloro-

Waste Code: U13

Waste Description: Hydrofluoric Acid (C,T) (Or) Hydrogen Fluoride (C,T)

Waste Code: U150

Waste Description: L-Phenylalanine, 4-[Bis(2-Chloroethyl)Amino]- (Or) Melphalan

Waste Code: U154

Waste Description: Methanol (I) (Or) Methyl Alcohol (I)

Waste Code: U159

Waste Description: 2-Butanone (I,T) (Or) Methyl Ethyl Ketone (Mek) (I,T)

Direction Distance

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

WALMART SUPERCENTER #805 (Continued)

1010322694

Waste Code: U165 Waste Description: Naphthalene

U188 Waste Code: Waste Description: Phenol

U200 Waste Code:

Waste Description: Reserpine (Or) Yohimban-16-Carboxylic Acid,

11,17-Dimethoxy-18-[(3,4,5-Trimethoxybenzoyl)Oxy]-, Methyl Ester,

(3beta, 16beta, 17alpha, 18beta, 20alpha)-

U201 Waste Code:

Waste Description: 1,3-Benzenediol (Or) Resorcinol

Waste Code:

Waste Description: Selenium Sulfide (Or) Selenium Sulfide Ses2 (R,T)

Waste Code: U210

Waste Description: Ethene, Tetrachloro- (Or) Tetrachloroethylene

Waste Code:

Waste Description: Zinc Phosphide Zn3p2, When Present At Concentrations Of 10% Or Less

Waste Code: U279 Waste Description: U279

Waste Code: U409

Waste Description: Carbamic Acid, [1,2-Phenylenebis (Iminocarbonothioyl)]Bis-, Dimethyl

Ester (Or) Thiophanate-Methyl

Waste Code: U411 Waste Description: U411

Handler - Owner Operator:

Owner/Operator Indicator: Operator

Owner/Operator Name: WAL MART STORES EAST LP

Legal Status: Private **Date Became Current:** 20060615 **Date Ended Current:** Not reported Owner/Operator Address: PO BOX 8041

Owner/Operator City, State, Zip: BENTONVILLE, AR 72712-8041

Owner/Operator Telephone: 479-204-2231 Owner/Operator Telephone Ext: Not reported Owner/Operator Fax: Not reported Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner

Owner/Operator Name: WALMART STORES EAST LP

Legal Status: Private Date Became Current: 20060615 **Date Ended Current:** Not reported Owner/Operator Address: PO BOX 8041

Owner/Operator City, State, Zip: BENTONVILLE, AR 72712-8041

Owner/Operator Telephone: 479-277-8972 Owner/Operator Telephone Ext: Not reported Owner/Operator Fax: Not reported Owner/Operator Email: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

WALMART SUPERCENTER #805 (Continued)

1010322694

EDR ID Number

Owner/Operator Indicator: Operator

Owner/Operator Name: WALMART STORES EAST LP

Legal Status:PrivateDate Became Current:20080903Date Ended Current:Not reportedOwner/Operator Address:PO BOX 8041

Owner/Operator City, State, Zip: BENTONVILLE, AR 72712-8041

Owner/Operator Telephone: 479-277-8972
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner

Owner/Operator Name: WALMART STORES EAST LP

Legal Status:PrivateDate Became Current:20080903Date Ended Current:Not reportedOwner/Operator Address:PO BOX 8041

Owner/Operator City, State, Zip: BENTONVILLE, AR 72712-8041

Owner/Operator Telephone: 479-277-8972
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner

Owner/Operator Name: WALMART STORES EAST LP

Legal Status:

Date Became Current:

Date Ended Current:

Not reported

Owner/Operator Address: PO BOX 8041 MS 0505
Owner/Operator City,State,Zip: BENTONVILLE, AR 72712-8041

Owner/Operator Telephone: 479-277-8972
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner

Owner/Operator Name: WAL MART STORES EAST LP

Legal Status: Private
Date Became Current: 20060615
Date Ended Current: Not reported
Owner/Operator Address: PO BOX 8041

Owner/Operator City, State, Zip: BENTONVILLE, AR 72712-8041

Owner/Operator Telephone: 479-204-3517
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner

Owner/Operator Name: WALMART STORES EAST LP

Legal Status:PrivateDate Became Current:20080903Date Ended Current:Not reported

Owner/Operator Address: PO BOX 8041 MS 0505
Owner/Operator City,State,Zip: BENTONVILLE, AR 72712-8041

Owner/Operator Telephone: 479-277-8972
Owner/Operator Telephone Ext: Not reported

Distance

Elevation Site Database(s) EPA ID Number

WALMART SUPERCENTER #805 (Continued)

1010322694

EDR ID Number

Owner/Operator Fax: Not reported Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator

Owner/Operator Name: WAL MART STORES EAST LP Legal Status: Private

Date Became Current:

Date Ended Current:

Owner/Operator Address:

Owner/Operator City State Zip:

BENTONVILLE

Owner/Operator City, State, Zip: BENTONVILLE, AR 72716

Owner/Operator Telephone: 479-204-2231
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: WAL MART STORES EAST LP

Legal Status:PrivateDate Became Current:20090814Date Ended Current:Not reportedOwner/Operator Address:508 SW 8TH ST

Owner/Operator City, State, Zip: BENTONVILLE, AR 72716

Owner/Operator Telephone: 479-204-2231
Owner/Operator Telephone Ext: Not reported

Owner/Operator Fax:

Owner/Operator Email:

Not reported

Not reported

Not reported

Owner/Operator Indicator: Operator

Owner/Operator Name: WAL MART STORES EAST LP

Legal Status:

Date Became Current:

Date Ended Current:

Owner/Operator Address:

Private
20100308

Not reported
PO BOX 8041

Owner/Operator City, State, Zip: BENTONVILLE, AR 72712

Owner/Operator Telephone: 479-204-2231
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator

Owner/Operator Name: WAL MART STORES EAST LP

Legal Status:

Date Became Current:

Date Ended Current:

Owner/Operator Address:

Private
20060615

Not reported
PO BOX 8041

Owner/Operator City, State, Zip: BENTONVILLE, AR 72712-8041

Owner/Operator Telephone: 479-204-3517
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator

Owner/Operator Name: WAL MART STORES EAST LP

Legal Status: Private
Date Became Current: 20060615
Date Ended Current: Not reported
Owner/Operator Address: PO BOX 8041

Distance Elevation Site

Site Database(s) EPA ID Number

WALMART SUPERCENTER #805 (Continued)

1010322694

EDR ID Number

Owner/Operator City,State,Zip: BENTONVILLE, AR 72712-8041

Owner/Operator Telephone: 479-204-3517
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator

Owner/Operator Name: WALMART STORES EAST LP

Legal Status:PrivateDate Became Current:20060615Date Ended Current:Not reportedOwner/Operator Address:PO BOX 8041

Owner/Operator City, State, Zip: BENTONVILLE, AR 72712-8041

Owner/Operator Telephone: 479-277-8972
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator

Owner/Operator Name: WALMART STORES EAST LP

Legal Status: Private
Date Became Current: 20080903
Date Ended Current: Not reported
Owner/Operator Address: PO BOX 8041

Owner/Operator City, State, Zip: BENTONVILLE, AR 72712-8041

Owner/Operator Telephone: 479-277-8972
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator

Owner/Operator Name: WALMART STORES EAST LP

Legal Status:

Date Became Current:

Date Ended Current:

Not reported

Owner/Operator Address: PO BOX 8041 MS 0505
Owner/Operator City, State, Zip: BENTONVILLE, AR 72712-8041

Owner/Operator Telephone: 479-277-8972
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner

Owner/Operator Name: WAL MART STORES EAST LP

Legal Status:PrivateDate Became Current:20060615Date Ended Current:Not reportedOwner/Operator Address:PO BOX 8041

Owner/Operator City,State,Zip: BENTONVILLE, AR 72712-8041

Owner/Operator Telephone: 479-204-3517
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: WAL MART STORES EAST LP
Legal Status: Private

Distance

Elevation Site Database(s) EPA ID Number

WALMART SUPERCENTER #805 (Continued)

1010322694

EDR ID Number

Date Became Current: 20060615
Date Ended Current: Not reported
Owner/Operator Address: PO BOX 8041

Owner/Operator City, State, Zip: BENTONVILLE, AR 72712-8041

Owner/Operator Telephone: 479-204-2231
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner

Owner/Operator Name: WALMART STORES EAST LP

Legal Status:PrivateDate Became Current:20060615Date Ended Current:Not reportedOwner/Operator Address:702 SW 8TH ST

Owner/Operator City, State, Zip: BENTONVILLE, AR 72716-0500

Owner/Operator Telephone: 479-204-2280
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator

Owner/Operator Name: WALMART STORES EAST LP

Legal Status:

Date Became Current:

Date Ended Current:

Owner/Operator Address:

Private
20060615

Not reported
702 SW 8TH ST

Owner/Operator City, State, Zip: BENTONVILLE, AR 72716-0500

Owner/Operator Telephone: 479-204-2280
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Own
Owner/Operator Name: WAL MART STORES EAST LP

Legal Status:PrivateDate Became Current:20080815Date Ended Current:Not reportedOwner/Operator Address:1300 SE 8TH ST

Owner/Operator City,State,Zip: BENTONVILLE, AR 72716

Owner/Operator Telephone: 479-204-2231
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator

Owner/Operator Name: WAL MART STORES EAST LP

Legal Status:PrivateDate Became Current:20060615Date Ended Current:Not reportedOwner/Operator Address:PO BOX 8041

Owner/Operator City, State, Zip: BENTONVILLE, AR 72712-8041

Owner/Operator Telephone: 479-204-3517
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

WALMART SUPERCENTER #805 (Continued)

1010322694

EDR ID Number

Owner/Operator Indicator:
Owner

Owner/Operator Name: WALMART STORES EAST LP

Legal Status:PrivateDate Became Current:20060615Date Ended Current:Not reportedOwner/Operator Address:PO BOX 8041

Owner/Operator City, State, Zip: BENTONVILLE, AR 72712-8041

Owner/Operator Telephone: 479-277-8972
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator:
Owner/Operator Name: WAL MART STORES EAST LP
Legal Status:
Private
Date Became Current:
Date Ended Current:
Owner/Operator Address:
PO BOX 8041

Owner/Operator City, State, Zip: BENTONVILLE, AR 72712

Owner/Operator Telephone: 479-204-2231
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner

Owner/Operator Name: WALMART STORES EAST LP

Legal Status:

Date Became Current:

Date Ended Current:

Owner/Operator Address:

Private
20080903

Not reported
PO BOX 8041

Owner/Operator City, State, Zip: BENTONVILLE, AR 72712-8041

Owner/Operator Telephone: 479-277-8972
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator

Owner/Operator Name: WALMART STORES EAST LP

Legal Status:PrivateDate Became Current:20080903Date Ended Current:Not reported

Owner/Operator Address: PO BOX 8041 MS 0505

Owner/Operator City, State, Zip: BENTONVILLE, AR 72712-8041

Owner/Operator Telephone: 479-277-8972
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator

Owner/Operator Name: WAL MART STORES EAST LP

Legal Status:PrivateDate Became Current:20090814Date Ended Current:Not reportedOwner/Operator Address:508 SW 8TH ST

Owner/Operator City, State, Zip: BENTONVILLE, AR 72716-0505

Owner/Operator Telephone: 479-204-2231
Owner/Operator Telephone Ext: Not reported

MAP FINDINGS Map ID Direction

Distance

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

WALMART SUPERCENTER #805 (Continued)

1010322694

Owner/Operator Fax: Not reported Not reported Owner/Operator Email:

Owner/Operator Indicator: Owner Owner/Operator Name: WAL MART STORES EAST LP Legal Status: Private Date Became Current: 20100308 Date Ended Current:

Not reported Owner/Operator Address: PO BOX 8041 Owner/Operator City, State, Zip: BENTONVILLE, AR 72712

479-204-2231 Owner/Operator Telephone: Owner/Operator Telephone Ext: Not reported Owner/Operator Fax: Not reported Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator

Owner/Operator Name: WALMART STORES EAST LP

Legal Status: Private Date Became Current: 20060615 Date Ended Current: Not reported Owner/Operator Address: PO BOX 8041

Owner/Operator City, State, Zip: BENTONVILLE, AR 72712-8041

Owner/Operator Telephone: 479-277-8972 Owner/Operator Telephone Ext: Not reported Owner/Operator Fax: Not reported Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator Owner/Operator Name: WAL MART STORES EAST LP

Legal Status: Private Date Became Current: 20100308 **Date Ended Current:** Not reported Owner/Operator Address: PO BOX 8041

BENTONVILLE, AR 72712 Owner/Operator City, State, Zip:

479-204-2231 Owner/Operator Telephone: Owner/Operator Telephone Ext: Not reported Owner/Operator Fax: Not reported Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner Owner/Operator Name: WAL MART STORES EAST LP Legal Status: Private Date Became Current: 20060615 **Date Ended Current:** Not reported Owner/Operator Address: PO BOX 8041

Owner/Operator City, State, Zip: BENTONVILLE, AR 72712-8041

Owner/Operator Telephone: 479-204-3517 Owner/Operator Telephone Ext: Not reported Owner/Operator Fax: Not reported Owner/Operator Email: Not reported

Historic Generators:

20111014 Receive Date: Handler Name: WAL MART SUPERCENTER #805

Federal Waste Generator Description: **Small Quantity Generator**

State District Owner: Not reported

Large Quantity Handler of Universal Waste: No

Direction Distance

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

WALMART SUPERCENTER #805 (Continued)

1010322694

Recognized Trader Importer: No Recognized Trader Exporter: No Spent Lead Acid Battery Importer: No Spent Lead Acid Battery Exporter: No Current Record: No

Non Storage Recycler Activity: Not reported Electronic Manifest Broker: Not reported

Receive Date: 20060615

Handler Name: WAL MART #805

Conditionally Exempt Small Quantity Generator Federal Waste Generator Description:

State District Owner: Not reported

Large Quantity Handler of Universal Waste: No Recognized Trader Importer: No Recognized Trader Exporter: No Spent Lead Acid Battery Importer: No Spent Lead Acid Battery Exporter: No Current Record: No

Non Storage Recycler Activity: Not reported Electronic Manifest Broker: Not reported

Receive Date: 20080815

Handler Name: WAL MART #805

Small Quantity Generator Federal Waste Generator Description:

State District Owner: Not reported

Large Quantity Handler of Universal Waste: No Recognized Trader Importer: No Recognized Trader Exporter: No Spent Lead Acid Battery Importer: No Spent Lead Acid Battery Exporter: No Current Record: No

Non Storage Recycler Activity: Not reported Electronic Manifest Broker: Not reported

Receive Date: 20090814

Handler Name: WAL MART #805

Federal Waste Generator Description: Small Quantity Generator

State District Owner: Not reported

Large Quantity Handler of Universal Waste: No Recognized Trader Importer: No Recognized Trader Exporter: No Spent Lead Acid Battery Importer: No Spent Lead Acid Battery Exporter: No **Current Record:** No

Non Storage Recycler Activity: Not reported Electronic Manifest Broker: Not reported

Receive Date: 20100308 WAL MART SUPERCENTER #805 Handler Name:

Federal Waste Generator Description: Small Quantity Generator

State District Owner: Not reported

Large Quantity Handler of Universal Waste: Yes Recognized Trader Importer: No Recognized Trader Exporter: No Spent Lead Acid Battery Importer: No Spent Lead Acid Battery Exporter: No Current Record: No

MAP FINDINGS Map ID Direction

Distance

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

WALMART SUPERCENTER #805 (Continued)

1010322694

Non Storage Recycler Activity: Not reported Electronic Manifest Broker: Not reported

Receive Date: 20131021 Handler Name: WAL MART SUPERCENTER #805

Federal Waste Generator Description: Small Quantity Generator

State District Owner: Not reported

Large Quantity Handler of Universal Waste: No Recognized Trader Importer: No Recognized Trader Exporter: No Spent Lead Acid Battery Importer: No Spent Lead Acid Battery Exporter: No Current Record: No

Non Storage Recycler Activity: Not reported Not reported Electronic Manifest Broker:

Receive Date: 20131022 WAL MART SUPERCENTER #805 Handler Name:

Federal Waste Generator Description: **Small Quantity Generator**

Not reported State District Owner:

Large Quantity Handler of Universal Waste: No Recognized Trader Importer: No Recognized Trader Exporter: No Spent Lead Acid Battery Importer: No Spent Lead Acid Battery Exporter: No Current Record: No

Non Storage Recycler Activity: Not reported Electronic Manifest Broker: Not reported

Receive Date: 20141031 Handler Name: WAL MART SUPERCENTER #805

Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator

State District Owner: Not reported

Large Quantity Handler of Universal Waste: No Recognized Trader Importer: No Recognized Trader Exporter: No Spent Lead Acid Battery Importer: No Spent Lead Acid Battery Exporter: No Current Record: No

Non Storage Recycler Activity: Not reported Electronic Manifest Broker: Not reported

Receive Date: 20160614 WALMART SUPERCENTER # 805 Handler Name:

Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator

State District Owner: Not reported

Large Quantity Handler of Universal Waste: No Recognized Trader Importer: No Recognized Trader Exporter: No Spent Lead Acid Battery Importer: Nο Spent Lead Acid Battery Exporter: No Current Record: No

Non Storage Recycler Activity: Not reported Electronic Manifest Broker: Not reported

Receive Date: 20160812 Handler Name: WALMART SUPERCENTER # 805

Direction Distance

Elevation Site Database(s) EPA ID Number

WALMART SUPERCENTER #805 (Continued)

1010322694

EDR ID Number

Federal Waste Generator Description: Small Quantity Generator

State District Owner: Not reported

Large Quantity Handler of Universal Waste: No Recognized Trader Importer: No Recognized Trader Exporter: No Spent Lead Acid Battery Importer: No Spent Lead Acid Battery Exporter: No Current Record: No

Non Storage Recycler Activity: Not reported Electronic Manifest Broker: Not reported

Receive Date: 20191018 Handler Name: WALMART SUPERCENTER #805

Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator

State District Owner:

Large Quantity Handler of Universal Waste:

Recognized Trader Importer:

Recognized Trader Exporter:

No
Spent Lead Acid Battery Importer:

No
Spent Lead Acid Battery Exporter:

No
Current Record:

Non Storage Recycler Activity: Not reported Electronic Manifest Broker: Not reported

Receive Date: 20191213

Handler Name: WALMART SUPERCENTER #805

Federal Waste Generator Description: Small Quantity Generator

State District Owner: Not reported

Large Quantity Handler of Universal Waste:

Recognized Trader Importer:

Recognized Trader Exporter:

No
Spent Lead Acid Battery Importer:

No
Spent Lead Acid Battery Exporter:

No
Current Record:

Non Storage Recycler Activity:

Electronic Manifest Broker:

Not reported

Not reported

Receive Date: 20210104
Handler Name: WALMART SUPERCENTER #805

Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator

State District Owner: Not reported

Large Quantity Handler of Universal Waste: No Recognized Trader Importer: No Recognized Trader Exporter: No Spent Lead Acid Battery Importer: No Spent Lead Acid Battery Exporter: No Current Record: No Non Storage Recycler Activity: No Electronic Manifest Broker: No

Receive Date: 20210524 Handler Name: WALMART SUPERCENTER #805

Federal Waste Generator Description: Small Quantity Generator

State District Owner: Not reported

Large Quantity Handler of Universal Waste: No Recognized Trader Importer: No Recognized Trader Exporter: No

Distance Elevation

Site Database(s) EPA ID Number

WALMART SUPERCENTER #805 (Continued)

1010322694

EDR ID Number

Spent Lead Acid Battery Importer:

Spent Lead Acid Battery Exporter:

No
Current Record:

No
Storage Recycler Activity:

No
Electronic Manifest Broker:

No

List of NAICS Codes and Descriptions:

NAICS Code: 452311

NAICS Description: WAREHOUSE CLUBS AND SUPERCENTERS

NAICS Code: 45291

NAICS Description: WAREHOUSE CLUBS AND SUPERCENTERS

Has the Facility Received Notices of Violations:

Found Violation: Yes
Agency Which Determined Violation: State

Violation Short Description: Generators - Pre-transport

Date Violation was Determined:

Actual Return to Compliance Date:

Return to Compliance Qualifier:

Documented

Violation Research & Assassia

Violation Responsible Agency: State Scheduled Compliance Date: Not reported Enforcement Identifier: Not reported Date of Enforcement Action: Not reported Enforcement Responsible Agency: Not reported **Enforcement Docket Number:** Not reported **Enforcement Attorney:** Not reported Corrective Action Component: Not reported Appeal Initiated Date: Not reported

Appeal Resolution Date:

Disposition Status Date:

Disposition Status:

Not reported

Consent/Final Order Sequence Number: Not reported

Consent/Final Order Respondent Name: Not reported Consent/Final Order Lead Agency: Not reported

Enforcement Type: Not reported

Enforcement Responsible Person:

Enforcement Responsible Sub-Organization:

Not reported

Not reported

SEP Sequence Number: Not reported

SEP Expenditure Amount: Not reported SEP Scheduled Completion Date: Not reported SEP Actual Date: Not reported SEP Defaulted Date: Not reported SEP Type: Not reported SEP Type Description: Not reported Proposed Amount: Not reported Final Monetary Amount: Not reported Paid Amount: Not reported Final Count: Not reported Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State

Violation Short Description: Generators - Pre-transport

Date Violation was Determined: 20200311

MAP FINDINGS Map ID Direction

EDR ID Number Distance Elevation Site Database(s) **EPA ID Number**

WALMART SUPERCENTER #805 (Continued)

1010322694

Actual Return to Compliance Date: 20200323 Return to Compliance Qualifier: Documented Violation Responsible Agency: State Scheduled Compliance Date: Not reported Enforcement Identifier: Not reported Not reported Date of Enforcement Action: Not reported Enforcement Responsible Agency: **Enforcement Docket Number:** Not reported Not reported **Enforcement Attorney:** Corrective Action Component: Not reported Appeal Initiated Date: Not reported Appeal Resolution Date: Not reported Disposition Status Date: Not reported **Disposition Status:** Not reported Disposition Status Description: Not reported

Consent/Final Order Sequence Number:Not reported

Consent/Final Order Respondent Name: Not reported Consent/Final Order Lead Agency: Not reported

Enforcement Type: Not reported

Enforcement Responsible Person: Not reported

Enforcement Responsible Sub-Organization: Not reported

Not reported SEP Sequence Number:

SEP Expenditure Amount: Not reported SEP Scheduled Completion Date: Not reported SEP Actual Date: Not reported SEP Defaulted Date: Not reported SEP Type: Not reported SEP Type Description: Not reported Proposed Amount: Not reported Final Monetary Amount: Not reported Paid Amount: Not reported Final Count: Not reported

Found Violation: Yes Agency Which Determined Violation: State

Final Amount:

Violation Short Description: Generators - Pre-transport

Not reported

Date Violation was Determined: 20200311 Actual Return to Compliance Date: 20200323 Return to Compliance Qualifier: Documented Violation Responsible Agency: State Scheduled Compliance Date: Not reported Enforcement Identifier: Not reported Date of Enforcement Action: Not reported Enforcement Responsible Agency: Not reported **Enforcement Docket Number:** Not reported **Enforcement Attorney:** Not reported Corrective Action Component: Not reported Appeal Initiated Date: Not reported Appeal Resolution Date: Not reported Disposition Status Date: Not reported **Disposition Status:** Not reported Not reported Disposition Status Description:

Consent/Final Order Sequence Number:Not reported

Consent/Final Order Respondent Name: Not reported Consent/Final Order Lead Agency: Not reported

Enforcement Type: Not reported

Direction Distance Elevation

Site Database(s) EPA ID Number

Not reported

WALMART SUPERCENTER #805 (Continued)

Final Amount:

1010322694

EDR ID Number

Enforcement Responsible Person: Not reported Enforcement Responsible Sub-Organization: Not reported

SEP Sequence Number: Not reported

SEP Expenditure Amount: Not reported SEP Scheduled Completion Date: Not reported Not reported SEP Actual Date: SEP Defaulted Date: Not reported SEP Type: Not reported SEP Type Description: Not reported Proposed Amount: Not reported Final Monetary Amount: Not reported Paid Amount: Not reported Final Count: Not reported

Found Violation: Yes

Agency Which Determined Violation: State

Violation Short Description: Generators - Pre-transport

Date Violation was Determined:

Actual Return to Compliance Date:

Return to Compliance Qualifier:

Violation Responsible Agency:

School and Compliance Date:

Not reported

Scheduled Compliance Date: Not reported Enforcement Identifier: Not reported Date of Enforcement Action: Not reported Enforcement Responsible Agency: Not reported **Enforcement Docket Number:** Not reported **Enforcement Attorney:** Not reported Corrective Action Component: Not reported Appeal Initiated Date: Not reported Appeal Resolution Date: Not reported Disposition Status Date: Not reported Disposition Status: Not reported Disposition Status Description: Not reported

Consent/Final Order Sequence Number:Not reported

Consent/Final Order Respondent Name: Not reported Consent/Final Order Lead Agency: Not reported

Enforcement Type: Not reported

Enforcement Responsible Person: Not reported

Enforcement Responsible Sub-Organization: Not reported

SEP Sequence Number: Not reported

SEP Expenditure Amount: Not reported SEP Scheduled Completion Date: Not reported SEP Actual Date: Not reported SEP Defaulted Date: Not reported SEP Type: Not reported SEP Type Description: Not reported Proposed Amount: Not reported Final Monetary Amount: Not reported Not reported Paid Amount: Final Count: Not reported Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State

Violation Short Description: Generators - Pre-transport

Date Violation was Determined: 20200311

Distance Elevation Site

e Database(s) EPA ID Number

WALMART SUPERCENTER #805 (Continued)

1010322694

EDR ID Number

Actual Return to Compliance Date: 20200323 Return to Compliance Qualifier: Documented Violation Responsible Agency: State Scheduled Compliance Date: Not reported Enforcement Identifier: Not reported Not reported Date of Enforcement Action: Enforcement Responsible Agency: Not reported **Enforcement Docket Number:** Not reported Not reported **Enforcement Attorney:** Corrective Action Component: Not reported Appeal Initiated Date: Not reported Appeal Resolution Date: Not reported Disposition Status Date: Not reported **Disposition Status:** Not reported Disposition Status Description: Not reported

Consent/Final Order Sequence Number:Not reported

Consent/Final Order Respondent Name: Not reported Consent/Final Order Lead Agency: Not reported

Enforcement Type: Not reported

Enforcement Responsible Person: Not reported

Enforcement Responsible Sub-Organization: Not reported

SEP Sequence Number: Not reported

SEP Expenditure Amount:

SEP Scheduled Completion Date:

SEP Actual Date:

SEP Defaulted Date:

Not reported

Not reported

Not reported

Not reported

SEP Defaulted Date:

SEP Type:

SEP Type Description:

Proposed Amount:

Final Monetary Amount:

Paid Amount:

Final Count:

Not reported

Found Violation: No

Agency Which Determined Violation: Not reported Violation Short Description: Not reported Date Violation was Determined: Not reported Actual Return to Compliance Date: Not reported Return to Compliance Qualifier: Not reported Violation Responsible Agency: Not reported Scheduled Compliance Date: Not reported Enforcement Identifier: Not reported Date of Enforcement Action: Not reported Enforcement Responsible Agency: Not reported **Enforcement Docket Number:** Not reported **Enforcement Attorney:** Not reported Corrective Action Component: Not reported Appeal Initiated Date: Not reported Appeal Resolution Date: Not reported Disposition Status Date: Not reported **Disposition Status:** Not reported Not reported Disposition Status Description:

Consent/Final Order Sequence Number:Not reported

Consent/Final Order Respondent Name: Not reported Consent/Final Order Lead Agency: Not reported

Enforcement Type: Not reported

Direction Distance Elevation

ce EDR ID Number on Site Database(s) EPA ID Number

WALMART SUPERCENTER #805 (Continued)

1010322694

Enforcement Responsible Person: Not reported Enforcement Responsible Sub-Organization: Not reported

SEP Sequence Number: Not reported

SEP Expenditure Amount: Not reported SEP Scheduled Completion Date: Not reported SEP Actual Date: Not reported SEP Defaulted Date: Not reported SEP Type: Not reported SEP Type Description: Not reported Proposed Amount: Not reported Not reported Final Monetary Amount: Not reported Paid Amount: Final Count: Not reported Final Amount: Not reported

Evaluation Action Summary:

Evaluation Date: 20200311
Evaluation Responsible Agency: State
Found Violation: Yes

Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE

Evaluation Responsible Person Identifier: MO-TT Evaluation Responsible Sub-Organization: Not reported Actual Return to Compliance Date: 20200323 Scheduled Compliance Date: Not reported Not reported Date of Request: Date Response Received: Not reported Request Agency: Not reported Former Citation: Not reported

Evaluation Date: 20200311
Evaluation Responsible Agency: State
Found Violation: Yes

Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE

Evaluation Responsible Person Identifier: MO-TT Evaluation Responsible Sub-Organization: Not reported Actual Return to Compliance Date: 20200323 Scheduled Compliance Date: Not reported Date of Request: Not reported Date Response Received: Not reported Request Agency: Not reported Not reported Former Citation:

Evaluation Date: 20200311
Evaluation Responsible Agency: State
Found Violation: Yes

Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE

Evaluation Responsible Person Identifier: MO-TT Evaluation Responsible Sub-Organization: Not reported Actual Return to Compliance Date: 20200323 Scheduled Compliance Date: Not reported Date of Request: Not reported Date Response Received: Not reported Request Agency: Not reported Former Citation: Not reported

Evaluation Date: 20200311
Evaluation Responsible Agency: State

Direction Distance

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

WALMART SUPERCENTER #805 (Continued)

1010322694

Found Violation: Yes

COMPLIANCE EVALUATION INSPECTION ON-SITE Evaluation Type Description:

Evaluation Responsible Person Identifier: MO-TT Evaluation Responsible Sub-Organization: Not reported Actual Return to Compliance Date: 20200323 Scheduled Compliance Date: Not reported Date of Request: Not reported Date Response Received: Not reported Request Agency: Not reported Former Citation: Not reported

20200311 **Evaluation Date:** Evaluation Responsible Agency: State Found Violation: Yes

Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE

Evaluation Responsible Person Identifier: MO-TT Evaluation Responsible Sub-Organization: Not reported Actual Return to Compliance Date: 20200323 Scheduled Compliance Date: Not reported Date of Request: Not reported Date Response Received: Not reported Request Agency: Not reported Former Citation: Not reported

20081104 **Evaluation Date:** Evaluation Responsible Agency: State Found Violation: No

COMPLIANCE ASSISTANCE VISIT **Evaluation Type Description:**

Evaluation Responsible Person Identifier: MOJB Evaluation Responsible Sub-Organization: **ENF** Actual Return to Compliance Date: Not reported Scheduled Compliance Date: Not reported Date of Request: Not reported

Date Response Received: Not reported Request Agency: Not reported Former Citation: Not reported

AFFTON MOVING & STG CO INC UST U000748476 26

SSE 345 S OLD HWY 141 1/8-1/4

N/A FENTON, MO 63026

0.163 mi. 859 ft.

Relative: UST:

Higher Facility ID: ST0001096 Region: Actual: 723837.37 437 ft. Easting: Northing: 4265319.95

Owner Of Geospatial Data: Hazardous Waste Program

Geospatial Data Collected By: VANCE, S Date GIS Data Collected: 08/27/2013 Lat/Long: 38.4998 / -90.4591 Lat/Long (dms): Not reported

Direction Distance Elevation

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

AFFTON MOVING & STG CO INC (Continued)

U000748476

EDR ID Number

Tanks:

Owner:

Owner ID: OW10323 Owner Name: STOP 'N' GO INC 12960 GRAVOIS ROAD Owner Address: Owner City, St, Zip: ST LOUIS, MO 63127

Owner County Code: Not reported Owner Phone: 8434355 Mail Was Not Deliverable: No Is Owner Active?: No

Date Registration Received: Not reported Date Record Added: 1995-06-30 00:00:00 Date Record Edited: 1999-02-03 00:00:00 Name of Person Editing Record: NREQHW-WILDB

Tank ID: 1 Tank Double Wall:

Below Ground Tank Type: Tank Status: Removed Meet 98 Update Requirements: Not reported 01/01/1969 Date Tank Installed: Tank Material: Steel Code for Tank Material Manufacturer: Not reported Code for Tank Installer: Not reported Other Type Of Tank Material: Not reported Tank Internal Protection: Not reported Other Tank Internal Protection: Not reported Tank Internal Protection Date: Not reported Tank External Protection: Not reported Other Type Tank Extrn Protec: Not reported Tank External Protec Date: Not reported Date Tank Last Used: 12/29/1992

Dt Tk Exp Brought InUse/Internal Tracking:

Tank Fees Waived: No Expedite Closure On Tank?: No

Date Tank Permanently Closed/ Removed: 12/29/1992

Responsible Person Expediting Closure: Not reported Temporary Status Verified Date: Not reported Admin Fee 585: Not reported Date Administratively Closed: Not reported Date Record Added: 06/30/1995 Date Record Edited: 01/29/2003 Person Adding/Editing Record: NEVINS, H. Date Of NFA Letter: 02/05/2003 Is Tank Used For Emergency Generator:

Date Closure Notice Received: 12/29/1992 Date Of Aprroval Letter: 12/31/1992

Firm Closing Tank: SUPERIOR EQUIPMENT

Date Closure Report Received: 01/09/2003 Registration End Date: Not reported LockOut Flag:

Comments: 02/05/03 NFA letter issued - KMT

Tank Compartment:

Tanks Use: False Compartment No:

Not reported

Direction Distance

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

AFFTON MOVING & STG CO INC (Continued)

U000748476

Tank Compartment PK: 2771 Tank PK: 2771 Case Number: Not reported Compartment Status: Removed Compartment Temp Verified Dt: Not reported Capacity: 1000

Substance: Gasoline, Including Blends

Substance Other: Not reported Hazardous Substance: Not reported

Mixture: False 1992-12-29 00:00:00 Date of Last Use:

Not reported Pipe Installation Date: Not reported Pipe System:

Pipe Material:

Pipe Material Other: Not reported Pipe Protection: Not reported Pipe Protection Date: Not reported

Pipe Double Wall: Spill Protection: False

Tank Aug 2011:

Facility Id: ST0001096

Tank Id:

Site Usage: Not reported Risk Type: Not reported Soil Type: Not reported GW Flow: Not reported Offsite Impact: Not reported Free Product: Not reported Drinking Water: Not reported Closed Under: Not reported No Drinking Wells: No

No Buildings: No Vapor Barrier: 0 St Louis Mo: No Special Well Area: No Surface Cap: No No Excavation: No

E27 ROLLINS CHEMPAK INC WAL MART HHW West

RCRA NonGen / NLR 1011489865 MOP00001390

635 GRAVOIS RD **FENTON, MO 63026** 1/8-1/4

0.166 mi.

Site 2 of 2 in cluster E 877 ft.

Relative: RCRA Listings:

Higher Date Form Received by Agency: 20110912

Handler Name: Rollins Chempak Inc Wal Mart Hhw Actual: 438 ft. Handler Address: 635 GRAVOIS RD

Handler City, State, Zip: FENTON, MO 63026-4136 EPA ID: MOP000001390 Contact Name: MATTHEW HOCH Contact Address: 4296 RIDER TRAIL N Contact City, State, Zip: EARTH CITY, MO 63045

Contact Telephone: 314-770-2260 Contact Fax: Not reported

Distance Elevation S

Site Database(s) EPA ID Number

ROLLINS CHEMPAK INC WAL MART HHW (Continued)

1011489865

EDR ID Number

Contact Email: Not reported
Contact Title: MANAGER
EPA Region: 07
Land Type: Private

Federal Waste Generator Description: Not a generator, verified

Not reported Non-Notifier: Biennial Report Cycle: Not reported Accessibility: Not reported Active Site Indicator: Not reported State District Owner: Not reported State District: Not reported 4296 RIDER TRAIL N Mailing Address: Mailing City, State, Zip: EARTH CITY, MO 63045

Owner Name:

Owner Type:

Operator Name:

Operator Type:

Short-Term Generator Activity:

Matthew Hoch
Private
Private
No

Importer Activity: No Mixed Waste Generator: No Transporter Activity: No Transfer Facility Activity: No Recycler Activity with Storage: No Small Quantity On-Site Burner Exemption: No Smelting Melting and Refining Furnace Exemption: No Underground Injection Control: No Off-Site Waste Receipt: Nο Universal Waste Indicator: No Universal Waste Destination Facility: No Federal Universal Waste: No Active Site State-Reg Handler:

Federal Facility Indicator: Not reported

Hazardous Secondary Material Indicator: NN

Sub-Part K Indicator:

2018 GPRA Permit Baseline:

Not reported

Not on the Baseline

2018 GPRA Renewals Baseline:

Not on the Baseline

202 GPRA Corrective Action Baseline:

Subject to Corrective Action Universe:

No
Non-TSDFs Where RCRA CA has Been Imposed Universe:

No

Corrective Action Priority Ranking: No NCAPS ranking

Environmental Control Indicator: Nο Institutional Control Indicator: No Human Exposure Controls Indicator: N/A **Groundwater Controls Indicator:** N/A Significant Non-Complier Universe: No Unaddressed Significant Non-Complier Universe: No Addressed Significant Non-Complier Universe: No Significant Non-Complier With a Compliance Schedule Universe: No

Financial Assurance Required:
Handler Date of Last Change:
Recognized Trader-Importer:
Recognized Trader-Exporter:
No
Importer of Spent Lead Acid Batteries:
Not reported
20110912
No

Exporter of Spent Lead Acid Batteries:

Recycler Activity Without Storage:

Manifest Broker:

No
No
Not reported
Not reported

Sub-Part P Indicator: No

MAP FINDINGS Map ID Direction

Distance Elevation

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

Not reported

ROLLINS CHEMPAK INC WAL MART HHW (Continued)

1011489865

EDR ID Number

Handler - Owner Operator:

Owner/Operator Indicator: Owner

Owner/Operator Name: MATTHEW HOCH

Legal Status: Private Date Became Current: 19950227 Date Ended Current: Not reported Not reported Owner/Operator Address: Owner/Operator City, State, Zip: Not reported Owner/Operator Telephone: Not reported Owner/Operator Telephone Ext: Not reported Owner/Operator Fax: Not reported Owner/Operator Email: Not reported

Owner/Operator Indicator:

Operator Owner/Operator Name: MATTHEW HOCH

Legal Status: Private Date Became Current: 20110912 **Date Ended Current:** Not reported Owner/Operator Address: Not reported Owner/Operator City, State, Zip: Not reported Owner/Operator Telephone: Not reported Owner/Operator Telephone Ext: Not reported Owner/Operator Fax: Not reported Owner/Operator Email: Not reported

Owner/Operator Indicator:

Owner/Operator Email:

Operator Owner/Operator Name: MATTHEW HOCH

Legal Status: Private Date Became Current: 19950227 Date Ended Current: Not reported Owner/Operator Address: Not reported Owner/Operator City, State, Zip: Not reported Owner/Operator Telephone: Not reported Owner/Operator Telephone Ext: Not reported Owner/Operator Fax: Not reported

Owner/Operator Indicator: Owner

Owner/Operator Name: MATTHEW HOCH

Legal Status: Private Date Became Current: 20110912 Date Ended Current: Not reported Owner/Operator Address: Not reported Owner/Operator City, State, Zip: Not reported Not reported Owner/Operator Telephone: Owner/Operator Telephone Ext: Not reported Owner/Operator Fax: Not reported Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 19950227 ROLLINS CHEMPAK INC WAL MART HHW Handler Name:

Federal Waste Generator Description: Not a generator, verified

State District Owner: Not reported

Large Quantity Handler of Universal Waste: No Recognized Trader Importer: No

Direction Distance

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

ROLLINS CHEMPAK INC WAL MART HHW (Continued)

1011489865

Recognized Trader Exporter: No Spent Lead Acid Battery Importer: No Spent Lead Acid Battery Exporter: No Current Record: No

Non Storage Recycler Activity: Not reported Electronic Manifest Broker: Not reported

Receive Date: 20110912 Handler Name: ROLLINS CHEMPAK INC WAL MART HHW

Federal Waste Generator Description: Not a generator, verified

State District Owner: Not reported

Large Quantity Handler of Universal Waste: No Recognized Trader Importer: No Recognized Trader Exporter: No Spent Lead Acid Battery Importer: No Spent Lead Acid Battery Exporter: No Current Record: Yes

Non Storage Recycler Activity: Not reported Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 56291

NAICS Description: REMEDIATION SERVICES

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

28 South 645 E GRAVOIS BLUFFS BLVD

CALIBER COLLISION CENTER FENTON 2562 RCRA-SQG 1027098806

1/8-1/4 FENTON, MO 63026 0.194 mi.

Relative: RCRA Listings:

1026 ft.

Higher Date Form Received by Agency: 20220921

Handler Name: Caliber Collision Center Fenton 2562 Actual: 645 E GRAVOIS BLUFFS BLVD Handler Address: 456 ft.

Handler City, State, Zip: FENTON, MO 63026-7715 EPA ID: MOR000566703 Contact Name: **GREGORY NICHOLS** Contact Address: 2941 LAKE VISTA DR Contact City, State, Zip: LEWISVILLE, TX 75067-3801

Contact Telephone: 469-948-9500 Contact Fax: Not reported

Contact Email: LICENSEANDPERMITS@CALIBERCOLLISION.COM

CAO Contact Title: EPA Region: 07 Land Type: Private

Federal Waste Generator Description: Small Quantity Generator

Non-Notifier: Not reported Biennial Report Cycle: Not reported Accessibility: Not reported

MOR000566703

Map ID MAP FINDINGS Direction

Distance Elevation

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

CALIBER COLLISION CENTER FENTON 2562 (Continued)

1027098806

EDR ID Number

Active Site Indicator: Handler Activities State District Owner: Not reported State District: Not reported

Mailing Address: 2941 LAKE VISTA DR Mailing City, State, Zip: LEWISVILLE, TX 75067-3801

Owner Name: Caliber Holdings Llc Owner Type: Private

Operator Name: Caliber Holdings Llc

Operator Type: Private Short-Term Generator Activity: No Importer Activity: No Mixed Waste Generator: No Transporter Activity: No Transfer Facility Activity: No Recycler Activity with Storage: No Small Quantity On-Site Burner Exemption: No Smelting Melting and Refining Furnace Exemption: No **Underground Injection Control:** No

Off-Site Waste Receipt: No Universal Waste Indicator: No Universal Waste Destination Facility: No Federal Universal Waste: No

Active Site State-Reg Handler: Federal Facility Indicator:

Not reported Hazardous Secondary Material Indicator: Sub-Part K Indicator: Not reported

2018 GPRA Permit Baseline: Not on the Baseline 2018 GPRA Renewals Baseline: Not on the Baseline

202 GPRA Corrective Action Baseline: No Subject to Corrective Action Universe: No Non-TSDFs Where RCRA CA has Been Imposed Universe: No

Corrective Action Priority Ranking: No NCAPS ranking

Environmental Control Indicator: Institutional Control Indicator: No Human Exposure Controls Indicator: N/A Groundwater Controls Indicator: N/A Significant Non-Complier Universe: No Unaddressed Significant Non-Complier Universe: No Addressed Significant Non-Complier Universe: No Significant Non-Complier With a Compliance Schedule Universe: No

Financial Assurance Required: Not reported Handler Date of Last Change: 20230723 Recognized Trader-Importer: No Recognized Trader-Exporter: No Importer of Spent Lead Acid Batteries: No Exporter of Spent Lead Acid Batteries: No Recycler Activity Without Storage: No Manifest Broker: No Sub-Part P Indicator: No

Hazardous Waste Summary:

D001 Waste Code:

Waste Description: Ignitable Waste

Waste Code:

Waste Description: The Following Spent Nonhalogenated Solvents: Xylene, Acetone, Ethyl Map ID MAP FINDINGS
Direction

Distance Elevation

Site Database(s) EPA ID Number

CALIBER COLLISION CENTER FENTON 2562 (Continued)

1027098806

EDR ID Number

Acetate, Ethyl Benzene, Ethyl Ether, Methyl Isobutyl Ketone, N-Butyl Alcohol, Cyclohexanone, And Methanol; All Spent Solvent Mixtures/Blends Containing, Before Use, Only The Above Spent Nonhalogenated Solvents; And All Spent Solvent Mixtures/Blends Containing, Before Use, One Or More Of The Above Nonhalogenated Solvents, And A Total Of Ten Percent Or More (By Volume) Of One Or More Of Those Solvents Listed In F001, F002, F004, And F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent

Mixtures.

Waste Code: F005

Waste Description: The Following Spent Nonhalogenated Solvents: Toluene, Methyl Ethyl

Ketone, Carbon Disulfide, Isobutanol, Pyridine, Benzene,

2-Ethoxyethanol, And 2-Nitropropane; All Spent Solvent Mixtures/Blends Containing, Before Use, A Total Of Ten Percent Or More (By Volume) Of One Or More Of The Above Nonhalogenated Solvents Or Those Solvents Listed In F001, F002, Or F004; And Still Bottoms From The Recovery Of

These Spent Solvents And Spent Solvent Mixtures.

Handler - Owner Operator:

Owner/Operator Indicator: Owner

Owner/Operator Name: CALIBER HOLDINGS LLC

Legal Status: Private
Date Became Current: 20211213
Date Ended Current: Not reported

Owner/Operator Address: 2941 LAKE VISTA DR
Owner/Operator City,State,Zip: LEWISVILLE, TX 75067-3801

Owner/Operator Telephone: 469-948-9500
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator:

Operator

Owner/Operator Name: CALIBER HOLDINGS LLC

Legal Status: Private
Date Became Current: 20211213
Date Ended Current: Not reported

Owner/Operator Address: 2941 LAKE VISTA DR
Owner/Operator City, State, Zip: LEWISVILLE, TX 75067-3801

Owner/Operator Telephone: 469-948-9500
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner

Owner/Operator Name: CALIBER HOLDINGS LLC

Legal Status:PrivateDate Became Current:20211213Date Ended Current:Not reported

Owner/Operator Address: 2941 LAKE VISTA DR
Owner/Operator City, State, Zip: LEWISVILLE, TX 75067-3801

Owner/Operator Telephone: 469-948-9500
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator

MAP FINDINGS Map ID Direction

Distance Elevation

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

Operator

Operator

CALIBER COLLISION CENTER FENTON 2562 (Continued)

1027098806

EDR ID Number

Owner/Operator Name: CALIBER HOLDINGS LLC

Legal Status: Private Date Became Current: 20211213 Date Ended Current: Not reported

Owner/Operator Address: 2941 LAKE VISTA DR Owner/Operator City, State, Zip: LEWISVILLE, TX 75067-3801

Owner/Operator Telephone: 469-948-9500 Owner/Operator Telephone Ext: Not reported Owner/Operator Fax: Not reported Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner

Owner/Operator Name: CALIBER HOLDINGS LLC

Legal Status: Private Date Became Current: 20211213 Date Ended Current: Not reported

Owner/Operator Address: 2941 LAKE VISTA DR LEWISVILLE, TX 75067-3801 Owner/Operator City, State, Zip:

Owner/Operator Telephone: 469-948-9500 Owner/Operator Telephone Ext: Not reported Owner/Operator Fax: Not reported Owner/Operator Email: Not reported

Owner/Operator Indicator:

Owner/Operator Name: CALIBER HOLDINGS LLC

Legal Status:

Private Date Became Current: 20211213 Date Ended Current: Not reported

Owner/Operator Address: 2941 LAKE VISTA DR Owner/Operator City, State, Zip: LEWISVILLE, TX 75067-3801

Owner/Operator Telephone: 469-948-9500 Owner/Operator Telephone Ext: Not reported Owner/Operator Fax: Not reported Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner

Owner/Operator Name: CALIBER HOLDINGS LLC

Legal Status: Private Date Became Current: 20211213 Date Ended Current: Not reported

Owner/Operator Address: 2941 LAKE VISTA DR Owner/Operator City, State, Zip: LEWISVILLE, TX 75067-3801

Owner/Operator Telephone: 469-948-9500 Owner/Operator Telephone Ext: Not reported Owner/Operator Fax: Not reported Owner/Operator Email: Not reported

Owner/Operator Indicator:

Owner/Operator Name: CALIBER HOLDINGS LLC

Legal Status:

Private Date Became Current: 20211213 Date Ended Current: Not reported

2941 LAKE VISTA DR Owner/Operator Address: Owner/Operator City, State, Zip: LEWISVILLE, TX 75067-3801

Owner/Operator Telephone: 469-948-9500 Owner/Operator Telephone Ext: Not reported Owner/Operator Fax: Not reported

Direction Distance

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

CALIBER COLLISION CENTER FENTON 2562 (Continued)

Not reported

Historic Generators:

Owner/Operator Email:

Receive Date: 20220921 Handler Name: **CALIBER COLLISION CENTER FENTON 2562**

Small Quantity Generator Federal Waste Generator Description:

State District Owner: Not reported Large Quantity Handler of Universal Waste: No

Recognized Trader Importer: No Recognized Trader Exporter: No Spent Lead Acid Battery Importer: No Spent Lead Acid Battery Exporter: Nο Current Record: Yes Non Storage Recycler Activity: No Electronic Manifest Broker: No

20211209 Receive Date: Handler Name: **CALIBER COLLISION CENTER FENTON 2562**

Conditionally Exempt Small Quantity Generator Federal Waste Generator Description:

State District Owner: Not reported

Large Quantity Handler of Universal Waste: Nο Recognized Trader Importer: No Recognized Trader Exporter: No Spent Lead Acid Battery Importer: No Spent Lead Acid Battery Exporter: No Current Record: No Non Storage Recycler Activity: No Electronic Manifest Broker: No

Receive Date: 20220113 Handler Name: **CALIBER COLLISION CENTER FENTON 2562**

Federal Waste Generator Description: **Small Quantity Generator**

State District Owner: Not reported

Large Quantity Handler of Universal Waste: No Recognized Trader Importer: No Recognized Trader Exporter: No Spent Lead Acid Battery Importer: No Spent Lead Acid Battery Exporter: No Current Record: No Non Storage Recycler Activity: No Electronic Manifest Broker: No

Receive Date: 20220908 Handler Name: **CALIBER COLLISION CENTER FENTON 2562**

Federal Waste Generator Description: Small Quantity Generator

State District Owner: Not reported

Large Quantity Handler of Universal Waste: No Recognized Trader Importer: No Recognized Trader Exporter: No Spent Lead Acid Battery Importer: No Spent Lead Acid Battery Exporter: No Current Record: No Non Storage Recycler Activity: No Electronic Manifest Broker: Nο

List of NAICS Codes and Descriptions:

1027098806

Direction Distance

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

CALIBER COLLISION CENTER FENTON 2562 (Continued)

1027098806

NAICS Code: 811121

AUTOMOTIVE BODY, PAINT, AND INTERIOR REPAIR AND MAINTENANCE NAICS Description:

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

RCRA NonGen / NLR 29 **AGCO CABINET SHOP INC** 1008373959 SSE 375 S OLD HWY 141 MOP00001321

FENTON, MO 63026 1/8-1/4

0.242 mi. 1276 ft.

Relative: RCRA Listings:

Higher 20110912 Date Form Received by Agency: Handler Name: Agco Cabinet Shop Inc Actual: 375 S OLD HWY 141 Handler Address: 456 ft.

Handler City, State, Zip: FENTON, MO 63026-4023 EPA ID: MOP000001321

BOB GASTON Contact Name: Contact Address: 375 S OLD HWY 141 Contact City, State, Zip: FENTON, MO 63026-4023 Contact Telephone: 636-343-1191

Contact Fax: Not reported Contact Email: Not reported Contact Title: **MANAGER** EPA Region: 07 Land Type: Private

Federal Waste Generator Description: Not a generator, verified

Non-Notifier: Not reported Biennial Report Cycle: Not reported Accessibility: Not reported Active Site Indicator: Not reported State District Owner: Not reported State District: Not reported

Mailing Address: 375 S OLD HWY 141 Mailing City, State, Zip: FENTON, MO 63026-4023

Owner Name: **Betty Gaston** Owner Type: Private Operator Name: **Betty Gaston** Operator Type: Private Short-Term Generator Activity: No Importer Activity: No Mixed Waste Generator: No

Transporter Activity: No Transfer Facility Activity: No Recycler Activity with Storage: No Small Quantity On-Site Burner Exemption: No Smelting Melting and Refining Furnace Exemption: Nο **Underground Injection Control:** No Off-Site Waste Receipt: No Universal Waste Indicator: No Universal Waste Destination Facility: No Federal Universal Waste: No Map ID MAP FINDINGS
Direction

Distance

Elevation Site Database(s) EPA ID Number

AGCO CABINET SHOP INC (Continued)

1008373959

EDR ID Number

Active Site State-Reg Handler:

Federal Facility Indicator: Not reported

Hazardous Secondary Material Indicator:

NN
Sub-Part K Indicator:

Not reported

2018 GPRA Permit Baseline:

Not on the Baseline

2018 GPRA Renewals Baseline:

Not on the Baseline

202 GPRA Corrective Action Baseline: No Subject to Corrective Action Universe: No Non-TSDFs Where RCRA CA has Been Imposed Universe: No

Corrective Action Priority Ranking: No NCAPS ranking

Environmental Control Indicator:

No
Institutional Control Indicator:

No
Human Exposure Controls Indicator:

N/A
Groundwater Controls Indicator:

N/A
Significant Non-Complier Universe:

No
Unaddressed Significant Non-Complier Universe:

No
Addressed Significant Non-Complier Universe:

No

Significant Non-Complier With a Compliance Schedule Universe:

No
Not reported
Handler Date of Last Change:

20110912

Recognized Trader-Importer:

Recognized Trader-Exporter:

No
Importer of Spent Lead Acid Batteries:

No
Exporter of Spent Lead Acid Batteries:

No

Recycler Activity Without Storage:

Not reported
Manifest Broker:

Not reported

Sub-Part P Indicator:

Hazardous Waste Summary:

Waste Code: D001

Waste Description: Ignitable Waste

Handler - Owner Operator:

Owner/Operator Indicator: Owner

Owner/Operator Name: BETTY GASTON

Legal Status: Private Date Became Current: 19941221 Date Ended Current: Not reported Owner/Operator Address: NA Owner/Operator City, State, Zip: NA, MO Owner/Operator Telephone: Not reported Owner/Operator Telephone Ext: Not reported Owner/Operator Fax: Not reported Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator

Owner/Operator Name: BETTY GASTON

Legal Status: Private Date Became Current: 19941221 Date Ended Current: Not reported Owner/Operator Address: NA Owner/Operator City, State, Zip: NA, MO Owner/Operator Telephone: Not reported Owner/Operator Telephone Ext: Not reported Owner/Operator Fax: Not reported

MAP FINDINGS Map ID Direction

Distance Elevation

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

AGCO CABINET SHOP INC (Continued)

1008373959

Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner

Owner/Operator Name: BETTY GASTON

Legal Status: Private Date Became Current: 20110912 Date Ended Current: Not reported Not reported Owner/Operator Address: Owner/Operator City, State, Zip: Not reported Owner/Operator Telephone: Not reported Owner/Operator Telephone Ext: Not reported Owner/Operator Fax: Not reported Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator

Owner/Operator Name: BETTY GASTON

Legal Status: Private Date Became Current: 20110912 Date Ended Current: Not reported Owner/Operator Address: Not reported Owner/Operator City, State, Zip: Not reported Owner/Operator Telephone: Not reported Owner/Operator Telephone Ext: Not reported Owner/Operator Fax: Not reported Not reported Owner/Operator Email:

Historic Generators:

Receive Date: 20110912

AGCO CABINET SHOP INC Handler Name:

Federal Waste Generator Description: Not a generator, verified

State District Owner: Not reported

Large Quantity Handler of Universal Waste: No Recognized Trader Importer: No Recognized Trader Exporter: No Spent Lead Acid Battery Importer: No Spent Lead Acid Battery Exporter: No Current Record: Yes Non Storage Recycler Activity:

Not reported Electronic Manifest Broker: Not reported

Receive Date: 19941221

Handler Name: AGCO CABINET SHOP INC

Federal Waste Generator Description: Not a generator, verified

Not reported State District Owner:

Large Quantity Handler of Universal Waste: Nο Recognized Trader Importer: No Recognized Trader Exporter: No Spent Lead Acid Battery Importer: No Spent Lead Acid Battery Exporter: No Current Record: No

Non Storage Recycler Activity: Not reported Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 337122

NAICS Description: NONUPHOLSTERED WOOD HOUSEHOLD FURNITURE MANUFACTURING

Direction Distance

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

AGCO CABINET SHOP INC (Continued)

1008373959

NAICS Code: 337127

NAICS Description: INSTITUTIONAL FURNITURE MANUFACTURING

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

F30 **FENTON PLAZA 48** VCP S106449699

wsw **48 FENTON PLAZA DRYCLEANERS** N/A FENTON, MO 63026 1/4-1/2 **SMARS**

0.253 mi.

422 ft.

Site 1 of 2 in cluster F 1335 ft.

VCP: Relative: Higher **FENTON PLAZA 48** Name: Address: **48 FENTON PLAZA** Actual:

FENTON, MO 63026-4110 City,State,Zip: Northing: 4265696.3997 Easting: 723037.14733 Facility Status: Inactive/Withdrawn Activity Use: Not reported Manager: Not reported Cert. of completion issued: Not reported Application Received: 6/30/2004 State Funded: Not reported Federal Funded: Not reported

Acreage: 10.94 Operable Unit: Fenton Plaza 48

Site Description: The site was a former dry cleaner within the southern section of a

strip mall, approximately one-quarter mile southeast of the

intersection of Gravois Road and Highway 141 in St. Louis County. The

applicant voluntarily transferred the site from the Brownfields Voluntary Cleanup Program (BVCP) into the Drycleaning Environmental

Response Trust (DERT) Fund to continue the investigative processes.

PCE,TCE Contaminant:

DRYCLEANERS:

189-1432 Plant Number: DC Number: 20

Facility Status: Abandoned Facility Contact: Joseph Mach Facility Phone: 636-227-8299

Site NA: No Dry Store: No DC Plant: Yes Supplier: 0 Chlorinated: -1 Non Chlorinated: 0

Supplier ID: Not reported OUID: 3453 Party ID: 453

Direction Distance

Elevation Site Database(s) EPA ID Number

FENTON PLAZA 48 (Continued)

S106449699

LUST

UST

SPILLS

1000630540

N/A

EDR ID Number

SMARS:

 Name:
 FENTON PLAZA 48

 Address:
 48 FENTON PLAZA

 City, State, Zip:
 FENTON, MO 63026-4110

SM Number: 11197
CERCLIS: Not reported
Ownership: VCP
Superfund Ownership: No
Voluntary Cleanup Ownership: Yes
Federal Facilities Ownership: No
Permits Ownership: No

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

Site Code: Not reported
Other Site Code: Not reported

F31 HN7 MOBIL SERVICE #707 WSW 701 GRAVOIS RD 1/4-1/2 FENTON, MO 63026

0.287 mi.

1517 ft. Site 2 of 2 in cluster F

 Relative:
 LUST:

 Higher
 Name:
 HN7 MOBIL SERVICE #707

 Actual:
 Address:
 701 GRAVOIS RD

 424 ft.
 City,State,Zip:
 FENTON, MO 63026

 Facility ID:
 ST0012404

Region: SL - St. Louis Regional Office

Lat/Long (dms):

Spill Number:

Release Date:

Not reported
Not reported
05/09/1991

Release Type: UNDERGROUND STORAGE TANK

Date Cleanup Started: 05/09/1991
Date Cleanup Finished: 09/04/1991
Expedited: No
Expedited Date: Not reported

Expenditures From The American Recovery and Reinvestment Act of 2009No

Reopened Date: Not reported

Number Of Remediation Monitoring Wells: 0
Active: No

Date Of NFA Letter From DNR: Not reported Date Record Meets Archive Criteria: Not reported R002402 Remediation ID: Rank: Not reported Emergeny Response Date: Not reported **Emergency Cleanup Start:** Not reported Referred To DGLS for Investigation: Not reported Contractor Performing Clean Up: Not reported RBCA NFA: No Project Manager:

Next Correspondence/Update With Fac:
Date Added:
Date Record Edited:
Person Adding Or Editing Record:
Not reported
06/30/1995
03/04/1999
NREQHW-PEARJ

Facility Sent To State Archive: Yes

Direction Distance Elevation

ration Site Database(s) EPA ID Number

HN7 MOBIL SERVICE #707 (Continued)

1000630540

EDR ID Number

Date Remediation Unit Closed The File: Not reported Site Affectd By Funding Level From PSTIF: No

General Comments: Not reported

UST:

 Facility ID:
 ST0012404

 Region:
 SL

 Easting:
 722819.449

Northing: 4265770.32
Owner Of Geospatial Data: Hazardous Waste Program

Geospatial Data Collected By: VANCE, S
Date GIS Data Collected: 08/27/2013

Lat/Long: 38.5125083 / -90.443950

Lat/Long (dms): Not reported

Tanks:

Owner:

Owner ID: OW06006

Owner Name: ARCH ENERGY LC
Owner Address: 106 E WASHINGTON AVE
Owner City,St,Zip: CUBA, MO 65453

Owner County Code: 55
Owner Phone: 5491611
Mail Was Not Deliverable: No
Is Owner Active?: Yes

Date Registration Received:

Date Record Added:

Date Record Edited:

Not reported
1995-06-30 00:00:00
2019-06-24 00:00:00

VANDEPOPUL, C

Not reported

Tank ID:

Tank Double Wall:

Tank Type:

Tank Status:

1

0

Below Ground
Removed

Meet 98 Update Requirements:

Date Tank Installed: 01/01/1978 Tank Material: Fiberglass Code for Tank Material Manufacturer: Not reported Code for Tank Installer: Not reported Other Type Of Tank Material: Not reported Tank Internal Protection: Not reported Other Tank Internal Protection: Not reported Tank Internal Protection Date: Not reported Tank External Protection: Not reported Other Type Tank Extrn Protec: Not reported Tank External Protec Date: Not reported Date Tank Last Used: Not reported Date Tank Permanently Closed/ Removed: 08/22/1991

Dt Tk Exp Brought InUse/Internal Tracking:

Tank Fees Waived: No Expedite Closure On Tank?: No

Responsible Person Expediting Closure:
Temporary Status Verified Date:
Admin Fee 585:
Date Administratively Closed:
Date Record Added:
Not reported
Not reported
Not reported
06/30/1995

Not reported

Direction Distance Elevation

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

HN7 MOBIL SERVICE #707 (Continued)

1000630540

EDR ID Number

Date Record Edited: 10/15/1999 Person Adding/Editing Record: NREQHW-FASTT Date Of NFA Letter: 08/22/1991

Is Tank Used For Emergency Generator: No

Date Closure Notice Received: Not reported Date Of Aprroval Letter: Not reported Firm Closing Tank: Not reported Date Closure Report Received: 08/22/1991 Registration End Date: Not reported No

LockOut Flag:

Comments: Not reported

Tank Compartment:

Tanks Use: False Compartment No: Tank Compartment PK: 30879 Tank PK: 30879 Case Number: Not reported Compartment Status: Removed Compartment Temp Verified Dt: Not reported 10000 Capacity:

Substance: Gasoline, Including Blends

Not reported Substance Other: Hazardous Substance: Not reported Mixture: False Date of Last Use: Not reported Pipe Installation Date: Not reported Pipe System: Not reported

Pipe Material:

Pipe Material Other: Not reported Pipe Protection: Not reported Pipe Protection Date: Not reported

Pipe Double Wall: 0 Spill Protection: False

Owner:

Owner ID: OW06006

ARCH ENERGY LC Owner Name: 106 E WASHINGTON AVE Owner Address: Owner City, St, Zip: CUBA, MO 65453

Owner County Code: 55 Owner Phone: 5491611 Mail Was Not Deliverable: No Is Owner Active?: Yes

Date Registration Received: Not reported

Date Record Added: 1995-06-30 00:00:00 Date Record Edited: 2019-06-24 00:00:00 VANDEPOPUL, C Name of Person Editing Record:

Tank ID: 10 Tank Double Wall:

Tank Type: Below Ground Tank Status: Removed Meet 98 Update Requirements: Not reported Date Tank Installed: 01/01/1985

Direction Distance

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

HN7 MOBIL SERVICE #707 (Continued)

1000630540

Tank Material: Fiberglass Code for Tank Material Manufacturer: Not reported Code for Tank Installer: Not reported Other Type Of Tank Material: Not reported Tank Internal Protection: Not reported Other Tank Internal Protection: Not reported Tank Internal Protection Date: Not reported Tank External Protection: Not reported Other Type Tank Extrn Protec: Not reported Tank External Protec Date: Not reported Date Tank Last Used: Not reported Date Tank Permanently Closed/ Removed: 12/14/2006

Dt Tk Exp Brought InUse/Internal Tracking: Tank Fees Waived: No Expedite Closure On Tank?: No Responsible Person Expediting Closure: CM

Temporary Status Verified Date: Not reported Admin Fee 585: Not reported Date Administratively Closed: Not reported 06/30/1995 Date Record Added: Date Record Edited: 06/16/2008 Person Adding/Editing Record: HANSEN, M 03/19/2007 Date Of NFA Letter: Is Tank Used For Emergency Generator: No

11/03/2006 Date Closure Notice Received: Date Of Aprroval Letter: 11/13/2006

Firm Closing Tank: Delta Environmental Date Closure Report Received: 02/13/2007

Registration End Date: 09/30/2008 LockOut Flag:

Reviewed CR. Need signature of o/o of receiving facility of Comments:

> sludge/rinsate on the Haz Waste Manifest form. MW 3/9/07 Reviewed correspondence. All items adequately addressed. Issued NFA. MW 3/22/07

Not reported

Not reported

Tank Compartment:

Tanks Use: False Compartment No: Tank Compartment PK: 30888 30888 Tank PK: Case Number: Not reported Compartment Status: Removed Compartment Temp Verified Dt: Not reported Capacity: 12000

Substance: Gasoline, Including Blends

Substance Other: Not reported Hazardous Substance: Not reported Mixture: False Date of Last Use: Not reported Pipe Installation Date: 1985-01-01 00:00:00

Pipe System: Pipe Material: 2

Pipe Material Other: Not reported Pipe Protection: Not reported Pipe Protection Date: Not reported

Pipe Double Wall: 0 Spill Protection: True

Direction Distance Elevation

stance EDR ID Number evation Site Database(s) EPA ID Number

HN7 MOBIL SERVICE #707 (Continued)

1000630540

Owner:

Owner ID: OW06006

Owner Name: ARCH ENERGY LC
Owner Address: 106 E WASHINGTON AVE
Owner City, St, Zip: CUBA, MO 65453

Owner County Code: 55
Owner Phone: 5491611
Mail Was Not Deliverable: No
Is Owner Active?: Yes

Date Registration Received:

Date Record Added:

Date Record Edited:

Not reported
1995-06-30 00:00:00
2019-06-24 00:00:00

Name of Person Editing Record:

VANDEPOPUL, C

Tank ID: 11
Tank Double Wall: 0

Tank Type: Below Ground Tank Status: Removed Meet 98 Update Requirements: Not reported Date Tank Installed: Not reported Tank Material: Other Code for Tank Material Manufacturer: Not reported Not reported Code for Tank Installer: CONCRETE Other Type Of Tank Material: Tank Internal Protection: Not reported Not reported Other Tank Internal Protection: Tank Internal Protection Date: Not reported Tank External Protection: Not reported Not reported Other Type Tank Extrn Protec: Tank External Protec Date: Not reported Date Tank Last Used: 01/01/1991 Date Tank Permanently Closed/ Removed: 08/14/1991

Dt Tk Exp Brought InUse/Internal Tracking:

Tank Fees Waived: No Expedite Closure On Tank?: No

Responsible Person Expediting Closure:
Temporary Status Verified Date:
Admin Fee 585:
Not reported
Not report

Date Of NFA Letter: 08/14/1991

Is Tank Used For Emergency Generator:

Date Closure Notice Received:

Date Of Aprroval Letter:

Firm Closing Tank:

Date Closure Report Received:

Registration End Date:

No

Not reported

Not reported

Not reported

Not reported

LockOut Flag: No

Comments: Not reported

Tank Compartment:

Tanks Use: False
Compartment No: 1
Tank Compartment PK: 30889

Not reported

Direction
Distance
Elevation

evation Site Database(s) EPA ID Number

HN7 MOBIL SERVICE #707 (Continued)

1000630540

EDR ID Number

Tank PK: 30889 Case Number: Not reported Removed Compartment Status: Compartment Temp Verified Dt: Not reported Capacity: 1700 Used Oil Substance: Substance Other: Not reported Hazardous Substance: Not reported False Mixture:

Date of Last Use: 1991-01-01 00:00:00

Pipe Installation Date: Not reported

Pipe System: 4
Pipe Material: 0

Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported

Pipe Double Wall: 0
Spill Protection: False

Owner:

Owner ID: OW06006

Owner Name: ARCH ENERGY LC
Owner Address: 106 E WASHINGTON AVE
Owner City,St,Zip: CUBA, MO 65453

Owner County Code: 55
Owner Phone: 5491611
Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported

Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2019-06-24 00:00:00
Name of Person Editing Record: VANDEPOPUL, C

Tank ID: 2
Tank Double Wall: 0

Tank Type:

Tank Status:

Meet 98 Update Requirements:
Date Tank Installed:
Tank Material:

Code for Tank Material Manufacturer:

Below Ground
Removed
Not reported
Not reported

Code for Tank Material Manufacturer: Not reported Code for Tank Installer: Not reported Other Type Of Tank Material: Not reported Tank Internal Protection: Not reported Other Tank Internal Protection: Not reported Tank Internal Protection Date: Not reported Not reported Tank External Protection: Other Type Tank Extrn Protec: Not reported Tank External Protec Date: Not reported Date Tank Last Used: 12/01/1985 Date Tank Permanently Closed/ Removed: Not reported

Dt Tk Exp Brought InUse/Internal Tracking: Not reported

Tank Fees Waived: No Expedite Closure On Tank?: No

Responsible Person Expediting Closure: Not reported

Direction Distance

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

HN7 MOBIL SERVICE #707 (Continued)

1000630540

Temporary Status Verified Date: Not reported Not reported Admin Fee 585: Date Administratively Closed: Not reported Date Record Added: 06/30/1995 Date Record Edited: 10/15/1999 Person Adding/Editing Record: NREQHW-FASTT Date Of NFA Letter: Not reported

Is Tank Used For Emergency Generator: No

Date Closure Notice Received: Not reported Date Of Aprroval Letter: Not reported Not reported Firm Closing Tank: Date Closure Report Received: Not reported Registration End Date: Not reported

LockOut Flag: No

Comments: Not reported

Tank Compartment:

Tanks Use: False Compartment No: 30880 Tank Compartment PK: 30880 Tank PK: Not reported Case Number: Compartment Status: Removed Compartment Temp Verified Dt: Not reported Capacity: 6000

Substance: Gasoline, Including Blends

Substance Other: Not reported Hazardous Substance: Not reported

Mixture: False

1985-12-01 00:00:00 Date of Last Use:

Pipe Installation Date: Not reported Pipe System: Not reported

Pipe Material:

Pipe Material Other: Not reported Pipe Protection: Not reported Pipe Protection Date: Not reported Pipe Double Wall:

Spill Protection: False

Owner:

Owner ID: OW06006

Owner Name: ARCH ENERGY LC Owner Address: 106 E WASHINGTON AVE

Owner City, St, Zip: CUBA, MO 65453

Owner County Code: 55 Owner Phone: 5491611 Mail Was Not Deliverable: No Is Owner Active?: Yes

Date Registration Received: Not reported Date Record Added: 1995-06-30 00:00:00

Date Record Edited: 2019-06-24 00:00:00 Name of Person Editing Record: VANDEPOPUL, C

Tank ID: 3 Tank Double Wall: 0

Direction Distance Elevation

nce EDR ID Number ation Site Database(s) EPA ID Number

HN7 MOBIL SERVICE #707 (Continued)

1000630540

Not reported

Tank Type: Below Ground
Tank Status: Removed
Meet 98 Update Requirements: Not reported
Date Tank Installed: 01/01/1961
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported

Not reported Code for Tank Installer: Other Type Of Tank Material: Not reported Tank Internal Protection: Not reported Other Tank Internal Protection: Not reported Tank Internal Protection Date: Not reported Tank External Protection: Not reported Other Type Tank Extrn Protec: Not reported Tank External Protec Date: Not reported 12/01/1985 Date Tank Last Used: Date Tank Permanently Closed/ Removed: Not reported

Dt Tk Exp Brought InUse/Internal Tracking:

Tank Fees Waived: No Expedite Closure On Tank?: No

Responsible Person Expediting Closure:
Temporary Status Verified Date:
Admin Fee 585:
Date Administratively Closed:
Date Record Added:
Date Record Edited:
Person Adding/Editing Record:
Not reported
Not reported
06/30/1995
10/15/1999
NREQHW-FASTT

Date Of NFA Letter: Not reported

Is Tank Used For Emergency Generator: No

Date Closure Notice Received:
Date Of Aprroval Letter:
Not reported

LockOut Flag: No

Comments: Not reported

Tank Compartment:

Tanks Use: False Compartment No: Tank Compartment PK: 30881 Tank PK: 30881 Case Number: Not reported Compartment Status: Removed Compartment Temp Verified Dt: Not reported Capacity: 550 Substance: Used Oil Substance Other: Not reported Hazardous Substance: Not reported

Mixture: False

Date of Last Use: 1985-12-01 00:00:00

Pipe Installation Date: Not reported

Pipe System: 4
Pipe Material: 1

Pipe Material Other: Not reported Pipe Protection: Not reported Pipe Protection Date: Not reported

Pipe Double Wall: 0
Spill Protection: False

Direction Distance Elevation

tance EDR ID Number vation Site Database(s) EPA ID Number

HN7 MOBIL SERVICE #707 (Continued)

1000630540

Owner:

Owner ID: OW06006

Owner Name: ARCH ENERGY LC
Owner Address: 106 E WASHINGTON AVE
Owner City,St,Zip: CUBA, MO 65453

Owner County Code: 55
Owner Phone: 5491611
Mail Was Not Deliverable: No
Is Owner Active?: Yes

Date Registration Received:

Date Record Added:

Date Record Edited:

Not reported
1995-06-30 00:00:00
2019-06-24 00:00:00

Name of Person Editing Record:

VANDEPOPUL, C

Tank ID: 4
Tank Double Wall: 0

Tank Type: Below Ground Tank Status: Removed Meet 98 Update Requirements: Not reported 01/01/1961 Date Tank Installed: Tank Material: Steel Code for Tank Material Manufacturer: Not reported Code for Tank Installer: Not reported Other Type Of Tank Material: Not reported Tank Internal Protection: Not reported Not reported Other Tank Internal Protection: Tank Internal Protection Date: Not reported Tank External Protection: Not reported Not reported Other Type Tank Extrn Protec:

Tank External Protec Date:

Date Tank Last Used:

Date Tank Permanently Closed/ Removed: Not reported

Dt Tk Exp Brought InUse/Internal Tracking:
Tank Fees Waived:
Expedite Closure On Tank?:
No

Responsible Person Expediting Closure:
Not reported
Temporary Status Verified Date:
Not reported
Admin Fee 585:
Not reported
Date Administratively Closed:
Not reported
Not reported
Not reported
Not reported
Not reported
Date Record Added:
06/30/1995
Date Record Edited:
10/15/1999

Person Adding/Editing Record: NREQHW-FASTT Date Of NFA Letter: Not reported

Is Tank Used For Emergency Generator:
Date Closure Notice Received:
Date Of Aprroval Letter:
Not reported
Not reported
Not reported
Not reported
Not reported
Registration End Date:
Not reported
Not reported

LockOut Flag: No

Comments: Not reported

Tank Compartment:

Tanks Use: False
Compartment No: 1
Tank Compartment PK: 30882

Not reported

Direction
Distance
Elevation

tion Site Database(s) EPA ID Number

HN7 MOBIL SERVICE #707 (Continued)

1000630540

EDR ID Number

Tank PK: 30882
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 4000

Substance: Gasoline, Including Blends

Substance Other: Not reported Hazardous Substance: Not reported Mixture: False

Date of Last Use: 1985-12-01 00:00:00

Pipe Installation Date: Not reported Pipe System: Not reported

Pipe Material: 1

Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported

Pipe Double Wall: 0
Spill Protection: False

Owner:

Owner ID: OW06006

Owner Name: ARCH ENERGY LC
Owner Address: 106 E WASHINGTON AVE
Owner City,St,Zip: CUBA, MO 65453

Owner County Code: 55
Owner Phone: 5491611
Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported

Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2019-06-24 00:00:00
Name of Person Editing Record: VANDEPOPUL, C

Tank ID: 5
Tank Double Wall: 0

Tank Type:

Tank Status:

Meet 98 Update Requirements:

Date Tank Installed:

Tank Material:

Below Ground
Removed

Not reported
01/01/1961

Steel

Code for Tank Material Manufacturer: Not reported Code for Tank Installer: Not reported Other Type Of Tank Material: Not reported Tank Internal Protection: Not reported Other Tank Internal Protection: Not reported Tank Internal Protection Date: Not reported Not reported Tank External Protection: Other Type Tank Extrn Protec: Not reported Tank External Protec Date: Not reported Date Tank Last Used: 12/01/1985 Date Tank Permanently Closed/ Removed: Not reported

Dt Tk Exp Brought InUse/Internal Tracking: Not reported

Tank Fees Waived: No Expedite Closure On Tank?: No

Responsible Person Expediting Closure: Not reported

Direction Distance

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

HN7 MOBIL SERVICE #707 (Continued)

1000630540

Temporary Status Verified Date: Not reported Not reported Admin Fee 585: Date Administratively Closed: Not reported Date Record Added: 06/30/1995 Date Record Edited: 10/15/1999 Person Adding/Editing Record: NREQHW-FASTT Date Of NFA Letter: Not reported

Is Tank Used For Emergency Generator: No

Date Closure Notice Received: Not reported Date Of Aprroval Letter: Not reported Not reported Firm Closing Tank: Date Closure Report Received: Not reported Registration End Date: Not reported

LockOut Flag: No

Comments: Not reported

Tank Compartment:

Tanks Use: False Compartment No: 30883 Tank Compartment PK: 30883 Tank PK: Not reported Case Number: Compartment Status: Removed Compartment Temp Verified Dt: Not reported

Capacity: 6000

Substance: Gasoline, Including Blends

Substance Other: Not reported Hazardous Substance: Not reported

Mixture: False

1985-12-01 00:00:00 Date of Last Use:

Pipe Installation Date: Not reported Pipe System: Not reported

Pipe Material:

Pipe Material Other: Not reported Pipe Protection: Not reported Pipe Protection Date: Not reported

Pipe Double Wall: Spill Protection: False

Owner:

Owner ID: OW06006

Owner Name: ARCH ENERGY LC Owner Address: 106 E WASHINGTON AVE

Owner City, St, Zip: CUBA, MO 65453

Owner County Code: 55 Owner Phone: 5491611 Mail Was Not Deliverable: No Is Owner Active?: Yes

Date Registration Received: Not reported Date Record Added: 1995-06-30 00:00:00

Date Record Edited: 2019-06-24 00:00:00 Name of Person Editing Record: VANDEPOPUL, C

Tank ID: 6 Tank Double Wall: 0

Direction Distance Elevation

ce EDR ID Number ion Site Database(s) EPA ID Number

HN7 MOBIL SERVICE #707 (Continued)

1000630540

Tank Type: Below Ground **Tank Status:** Removed Meet 98 Update Requirements: Not reported Date Tank Installed: 01/01/1985 Tank Material: Fiberglass Code for Tank Material Manufacturer: Not reported Not reported Code for Tank Installer: Other Type Of Tank Material: Not reported Tank Internal Protection: Not reported Other Tank Internal Protection: Not reported Tank Internal Protection Date: Not reported Not reported Tank External Protection: Other Type Tank Extrn Protec: Not reported Tank External Protec Date: Not reported Date Tank Last Used: Not reported Date Tank Permanently Closed/ Removed: 12/14/2006

Dt Tk Exp Brought InUse/Internal Tracking:

Tank Fees Waived: No Expedite Closure On Tank?: No Responsible Person Expediting Closure: CM

Temporary Status Verified Date:

Admin Fee 585:

Date Administratively Closed:

Date Record Added:

Date Record Edited:

Person Adding/Editing Record:

Date Of NFA Letter:

Not reported
N

Is Tank Used For Emergency Generator: No
Date Closure Notice Received: 11/03/2006
Date Of Aprroval Letter: 11/13/2006

Firm Closing Tank: Delta Environmental

Date Closure Report Received: 02/13/2007
Registration End Date: 09/30/2008
LockOut Flag: No

Comments: Reviewed CR. Need signature of o/o of receiving facility of

sludge/rinsate on the Haz Waste Manifest form. MW 3/9/07 Reviewed correspondence. All items adequately addressed. Issued NFA. MW 3/22/07

Not reported

Tank Compartment:

Tanks Use: False Compartment No: Tank Compartment PK: 30884 Tank PK: 30884 Case Number: Not reported Removed Compartment Status: Compartment Temp Verified Dt: Not reported Capacity: 1000 Used Oil Substance: Not reported Substance Other: Hazardous Substance: Not reported False Mixture: Date of Last Use: Not reported Pipe Installation Date: 1985-01-01 00:00:00

Pipe System: 4
Pipe Material: 2

Pipe Material Other: Not reported Pipe Protection: Not reported

MAP FINDINGS Map ID Direction

Distance Elevation

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

HN7 MOBIL SERVICE #707 (Continued)

1000630540

Pipe Protection Date: Not reported

Pipe Double Wall: 0 Spill Protection: True

Owner:

OW06006 Owner ID:

ARCH ENERGY LC Owner Name: Owner Address: 106 E WASHINGTON AVE

Owner City, St, Zip: CUBA, MO 65453

Owner County Code: 55 Owner Phone:

5491611 Mail Was Not Deliverable: No Is Owner Active?: Yes

Date Registration Received: Not reported

Date Record Added: 1995-06-30 00:00:00 2019-06-24 00:00:00 Date Record Edited: Name of Person Editing Record: VANDEPOPUL, C

Tank ID: Tank Double Wall: 0

Tank Type: Below Ground Removed **Tank Status:** Meet 98 Update Requirements: Not reported Date Tank Installed: 01/01/1985 **Fiberglass** Tank Material: Code for Tank Material Manufacturer: Not reported Code for Tank Installer: Not reported Other Type Of Tank Material: Not reported Tank Internal Protection: Not reported Other Tank Internal Protection: Not reported Not reported Tank Internal Protection Date: Tank External Protection: Not reported Other Type Tank Extrn Protec: Not reported Tank External Protec Date: Not reported Date Tank Last Used: Not reported Date Tank Permanently Closed/ Removed: 12/14/2006

Dt Tk Exp Brought InUse/Internal Tracking:

Tank Fees Waived: No

Expedite Closure On Tank?: No Responsible Person Expediting Closure: CM

Temporary Status Verified Date: Not reported Admin Fee 585: Not reported Date Administratively Closed: Not reported Date Record Added: 06/30/1995 Date Record Edited: 06/16/2008 Person Adding/Editing Record: HANSEN, M Date Of NFA Letter: 03/19/2007

Is Tank Used For Emergency Generator: No

Date Closure Notice Received: 11/03/2006 Date Of Aprroval Letter: 11/13/2006

Firm Closing Tank: Delta Environmental

Date Closure Report Received: 02/13/2007 Registration End Date: 09/30/2008 LockOut Flag:

Comments: Reviewed CR. Need signature of o/o of receiving facility of

Not reported

Direction Distance Elevation

on Site Database(s) EPA ID Number

HN7 MOBIL SERVICE #707 (Continued)

1000630540

EDR ID Number

sludge/rinsate on the Haz Waste Manifest form. MW 3/9/07 Reviewed correspondence. All items adequately addressed. Issued NFA. MW 3/22/07 Not reported

Tank Compartment:

Tanks Use: False
Compartment No: 1
Tank Compartment PK: 30885
Tank PK: 30885
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported

Capacity: 6000

Substance: Gasoline, Including Blends

Substance Other:

Hazardous Substance:

Mixture:

Date of Last Use:

Not reported

Not reported

Not reported

Not reported

Not reported

Pipe Installation Date: 1985-01-01 00:00:00

Pipe System: 1
Pipe Material: 2

Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported

Pipe Double Wall: 0
Spill Protection: True

Owner:

Owner ID: OW06006

Owner Name: ARCH ENERGY LC
Owner Address: 106 E WASHINGTON AVE

Owner City,St,Zip: CUBA, MO 65453

Owner County Code: 55
Owner Phone: 5491611
Mail Was Not Deliverable: No
Is Owner Active?: Yes

Date Registration Received:

Date Record Added:

Date Record Edited:

Date Record Edited:

Not reported

1995-06-30 00:00:00

2019-06-24 00:00:00

VANDEPOPUL, C

Tank ID: 8
Tank Double Wall: 0

Tank Type: Below Ground Tank Status: Removed Meet 98 Update Requirements: Not reported 01/01/1985 Date Tank Installed: Tank Material: **Fiberglass** Code for Tank Material Manufacturer: Not reported Code for Tank Installer: Not reported Other Type Of Tank Material: Not reported Tank Internal Protection: Not reported Other Tank Internal Protection: Not reported Tank Internal Protection Date: Not reported Tank External Protection: Not reported

Direction Distance Elevation

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

HN7 MOBIL SERVICE #707 (Continued)

1000630540

Other Type Tank Extrn Protec: Not reported Tank External Protec Date: Not reported Not reported Date Tank Last Used: Date Tank Permanently Closed/ Removed: 12/14/2006

Dt Tk Exp Brought InUse/Internal Tracking: Not reported

Tank Fees Waived: No Expedite Closure On Tank?: No Responsible Person Expediting Closure: СМ

Temporary Status Verified Date: Not reported Admin Fee 585: Not reported Date Administratively Closed: Not reported Date Record Added: 06/30/1995 Date Record Edited: 06/16/2008 Person Adding/Editing Record: HANSEN, M Date Of NFA Letter: 03/19/2007

Is Tank Used For Emergency Generator: No

Date Closure Notice Received: 11/03/2006 Date Of Aprroval Letter: 11/13/2006 Firm Closing Tank: Delta Environmental

Date Closure Report Received: 02/13/2007 Registration End Date: 09/30/2008

LockOut Flag: No

Reviewed CR. Need signature of o/o of receiving facility of Comments:

> sludge/rinsate on the Haz Waste Manifest form. MW 3/9/07 Reviewed correspondence. All items adequately addressed. Issued NFA. MW 3/22/07

Not reported

Tank Compartment:

Tanks Use: False Compartment No: 30886 Tank Compartment PK: Tank PK: 30886 Case Number: Not reported Compartment Status: Removed Compartment Temp Verified Dt: Not reported

Capacity: 6000

Substance: Gasoline, Including Blends

Substance Other: Not reported Hazardous Substance: Not reported False Mixture: Date of Last Use: Not reported

1985-01-01 00:00:00 Pipe Installation Date:

Pipe System: Pipe Material:

Pipe Material Other: Not reported Pipe Protection: Not reported Pipe Protection Date: Not reported

Pipe Double Wall: Spill Protection: True

Owner:

OW06006 Owner ID:

Owner Name: ARCH ENERGY LC Owner Address: 106 E WASHINGTON AVE

Owner City.St.Zip: CUBA. MO 65453

Owner County Code: 55

Direction Distance Elevation

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

HN7 MOBIL SERVICE #707 (Continued)

1000630540

EDR ID Number

Owner Phone: 5491611 Mail Was Not Deliverable: No Is Owner Active?: Yes Date Registration Received: Not reported

Date Record Added: 1995-06-30 00:00:00 Date Record Edited: 2019-06-24 00:00:00 VANDEPOPUL, C Name of Person Editing Record:

Tank ID: 9 Tank Double Wall: 0

Tank Type: Below Ground Tank Status: Removed Meet 98 Update Requirements: Not reported 01/01/1985 Date Tank Installed: Tank Material: Fiberglass Code for Tank Material Manufacturer: Not reported Code for Tank Installer: Not reported Other Type Of Tank Material: Not reported Tank Internal Protection: Not reported Other Tank Internal Protection: Not reported Tank Internal Protection Date: Not reported Tank External Protection: Not reported Other Type Tank Extrn Protec: Not reported Not reported Tank External Protec Date: Date Tank Last Used: Not reported Date Tank Permanently Closed/ Removed: 12/14/2006

Dt Tk Exp Brought InUse/Internal Tracking: Not reported

Tank Fees Waived: No Expedite Closure On Tank?: No Responsible Person Expediting Closure: CM Temporary Status Verified Date: Not reported

Admin Fee 585: Not reported Date Administratively Closed: Not reported 06/30/1995 Date Record Added: Date Record Edited: 06/16/2008 Person Adding/Editing Record: HANSEN, M Date Of NFA Letter: 03/19/2007

Is Tank Used For Emergency Generator: No

Date Closure Notice Received: 11/03/2006 Date Of Aprroval Letter: 11/13/2006 Firm Closing Tank:

Delta Environmental

Date Closure Report Received: 02/13/2007 Registration End Date: 09/30/2008 LockOut Flag: No

Comments: Reviewed CR. Need signature of o/o of receiving facility of

sludge/rinsate on the Haz Waste Manifest form. MW 3/9/07 Reviewed correspondence. All items adequately addressed. Issued NFA. MW 3/22/07

Not reported

Tank Compartment:

Tanks Use: False Compartment No: 30887 Tank Compartment PK: Tank PK: 30887 Case Number: Not reported Compartment Status: Removed Compartment Temp Verified Dt: Not reported

Direction Distance Elevation

Site Database(s) EPA ID Number

HN7 MOBIL SERVICE #707 (Continued)

1000630540

EDR ID Number

Capacity: 10000

Substance: Gasoline, Including Blends

Substance Other:
Hazardous Substance:
Mixture:
Date of Last Use:
Not reported
False
Not reported

Pipe Installation Date: 1985-01-01 00:00:00

Pipe System: 1
Pipe Material: 2

Pipe Material Other: Not reported Pipe Protection: Not reported Pipe Protection Date: Not reported

Pipe Double Wall: 0
Spill Protection: True

Tank Aug 2011:

Facility Id: ST0012404

Tank Id:

Site Usage: Not reported Risk Type: Not reported Soil Type: Not reported GW Flow: Not reported Offsite Impact: Not reported Free Product: Not reported **Drinking Water:** Not reported Closed Under: Not reported

No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0012404

Tank ld:

Site Usage: Not reported Risk Type: Not reported Soil Type: Not reported GW Flow: Not reported Offsite Impact: Not reported Free Product: Not reported Drinking Water: Not reported Closed Under: Not reported

No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0012404

Tank ld: 3

Site Usage: Not reported Risk Type: Not reported

Direction Distance Elevation

EDR ID Number
Site Database(s) EPA ID Number

HN7 MOBIL SERVICE #707 (Continued)

1000630540

Soil Type: Not reported GW Flow: Not reported Offsite Impact: Not reported Free Product: Not reported Drinking Water: Not reported Closed Under: Not reported

No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0012404

Tank ld: 4

Site Usage: Not reported Risk Type: Not reported Soil Type: Not reported GW Flow: Not reported Offsite Impact: Not reported Free Product: Not reported Drinking Water: Not reported Closed Under: Not reported

No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0012404

Tank ld: 5

Site Usage: Not reported Risk Type: Not reported Soil Type: Not reported GW Flow: Not reported Offsite Impact: Not reported Free Product: Not reported Drinking Water: Not reported Closed Under: Not reported

No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0012404

 Tank Id:
 6

 Site Usage:
 2

 Risk Type:
 3

 Soil Type:
 7

 GW Flow:
 13

 Offsite Impact:
 17

Direction Distance Elevation

n Site Database(s) EPA ID Number

HN7 MOBIL SERVICE #707 (Continued)

EDR ID Number

1000630540

Free Product: 0
Drinking Water: 42

Closed Under: Not reported

No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0012404

Tank ld: 7 2 Site Usage: Risk Type: 3 Soil Type: 7 GW Flow: 13 Offsite Impact: 17 Free Product: 0 Drinking Water: 42

Closed Under: Not reported

No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0012404

Tank ld: 11

Site Usage: Not reported Risk Type: Not reported Soil Type: Not reported GW Flow: Not reported Offsite Impact: Not reported Free Product: Not reported **Drinking Water:** Not reported Closed Under: Not reported

No Drinking Wells:
No No Buildings:
Vapor Barrier:
Ot Louis Mo:
No Special Well Area:
No Surface Cap:
No No Excavation:
No

Facility Id: ST0012404

Tank Id: 8 Site Usage: 2 Risk Type: 3 Soil Type: 7 GW Flow: 13 Offsite Impact: 17 Free Product: 0 Drinking Water: 42

Closed Under: Not reported

Direction Distance Elevation

n Site Database(s) EPA ID Number

HN7 MOBIL SERVICE #707 (Continued)

1000630540

EDR ID Number

No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0012404

Tank Id: 9 2 Site Usage: Risk Type: 3 Soil Type: 7 GW Flow: 13 Offsite Impact: 17 Free Product: 0 **Drinking Water:** 42

Closed Under: Not reported

No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0012404

Tank Id: 10 Site Usage: 2 Risk Type: 3 Soil Type: 7 GW Flow: 13 Offsite Impact: 17 Free Product: -1 Drinking Water: 42

Closed Under: Not reported

No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

SPILLS:

Name: Not reported 701 GRAVOIS ROAD Address: City,State,Zip: FENTON, MO 0612201441DEP Facility ID: Spill Number: 0612201441DEP Reported Date: 12/20/2006 Reported Time: 14:41:00 Regional Office: SLRO Latitude: 38.5124397

Property Code: 7

Property Sub Category: Not reported Longitude: -90.444442

Direction Distance

Elevation Site Database(s) **EPA ID Number**

HN7 MOBIL SERVICE #707 (Continued)

1000630540

EDR ID Number

UTM Zone For GPS: 15 Cause Sub Category: 4 Email: False False Ongoing: Is A Chemical Pickup Needed?: False Cause: 10

Contact Name: Jessica Christiansen Contact Phone #: 5738852277

Contact Id: 34004

Organization Name: Wallis Oil Company Organization Address1: 106 East Washington

Discovery Date: 12/20/2006 Organization Address2: Not reported Discovery Time: 14:41:00 Organization City: Cuba Incident Date: 12/20/2006 Organization State: MO Incident Time: 14:41:00 Organization Zip: 65453 GPS Code: AO

Date Of Incident Search: 12/20/2006

UTM North: 4265769.1626549996 UTM East: 722817.82082899997 Cause Description: Leaking Tank System Cause Sub Category: Not reported

69

Report Origin:

Private - Responsible Party Contractor Lead Agency:

Additional Information: Caller reports that petroleum contaminated soils were encountered during a removal of an underground storage tank system. The contamination will be addressed in the tank closure report.

Entity Telephone: 6365364965

Property Code Description: Conv. Store/Gas Station

Property Sub Category: Not reported

Description: Address Matching - Other Address Matching

Job Code: Not reported

Cleanup Actions:

Spill Number: 0612201441DEP

Incident ID: 34004 Cleanup Action Code: 16

Cleanup Action Description: Removed/Recovered

Cleanup By:

Spill Number: 0612201441DEP

Incident ID: 34004 Agent ID: 69

Agency: Private - Responsible Party Contractor

Referral Actions:

Spill Number: 0612201441DEP

Incident ID: 34004 Agent Code: 13

DNR - ERP - Leaking Underground ST Section Agency:

Report Distribution:

Direction Distance

Elevation Site Database(s) **EPA ID Number**

HN7 MOBIL SERVICE #707 (Continued) 1000630540

Spill Number: 0612201441DEP

Incident ID: 34004 Agent Code: 13

Agency: DNR - ERP - Leaking Underground ST Section

Spill Number: 0612201441DEP

Incident ID: 34004 Agent Code: 21

DNR - Southeast Regional Office Agency:

32 **ROWE OUTLYING FIELD FUDS** 1024898675 ΝE N/A

1/4-1/2 SUNSET HILLS, MO

0.389 mi. 2052 ft.

Relative: FUDS: Lower

EPA Region: Installation ID: MO79799F942700

Actual: Congressional District Number:

409 ft.

ROWE OUTLYING FIELD Name:

FUDS Number: B07MO1012 SUNSET HILLS City:

State: MO County: ST LOUIS Object ID: 4496 **USACE** Division: NWD

USACE District: Kansas City District (NWK) Status: Properties without projects

Current Owner: PRIV: PRIVATE Public Golf Course

https://fudsportal.usace.army.mil/ems/inventory/map?id=64316 EMS Map Link:

Eligibility: Ineligible Has Projects: No

NPL Status: Not reported

Project Required:

Feature Description: Rowe Outlying Field was utilized by naval air cadets stationed at St. Louis Naval Air Station to support primary flight training operations

during World War II. The property is used as a golf course.

38.51861111 Latitude: Longitude: -90.43055556

33 **FENTON 66** LUST U001159087 wsw 713 GRAVOIS RD **UST** N/A

1/4-1/2 FENTON, MO 63026

0.394 mi. 2079 ft.

Relative: LUST: Higher

FENTON 66 Name: Address: 713 GRAVOIS RD Actual: FENTON, MO 63026 City,State,Zip: 423 ft.

Facility ID: ST0012352

Region: SL - St. Louis Regional Office

Lat/Long (dms): Not reported Spill Number: Not reported **EDR ID Number**

Direction Distance

Elevation Site Database(s) EPA ID Number

FENTON 66 (Continued) U001159087

Release Date: 09/16/1992

Release Type: UNDERGROUND STORAGE TANK

Date Cleanup Started: 06/05/1994
Date Cleanup Finished: 07/13/1994
Expedited: No
Expedited Date: Not reported

Expenditures From The American Recovery and Reinvestment Act of 2009No

Reopened Date: Not reported

Number Of Remediation Monitoring Wells: 0 Active: No

Date Of NFA Letter From DNR: Not reported Not reported Date Record Meets Archive Criteria: R003500 Remediation ID: Rank: Not reported 09/16/1992 Emergeny Response Date: **Emergency Cleanup Start:** Not reported Referred To DGLS for Investigation: Not reported Contractor Performing Clean Up: Not reported

RBCA NFA: No Project Manager: L

Next Correspondence/Update With Fac:
Date Added:
Date Record Edited:
Person Adding Or Editing Record:
Facility Sent To State Archive:
Date Remediation Unit Closed The File:
Not reported
Not reported
N\$GARRV1
Yes
Not reported

Site Affectd By Funding Level From PSTIF: No

General Comments: 11-14-94 - JM - RECEIVED 9/8/94 CLOSURE REPORT. SITE CLOSED.

Not reported

UST:

 Facility ID:
 ST0012352

 Region:
 SL

 Easting:
 722630.760

 Northing:
 4265719.21

Owner Of Geospatial Data: Hazardous Waste Program

Geospatial Data Collected By: BENSON, J Date GIS Data Collected: Not reported

Lat/Long: 38.5121931 / -90.445227

Lat/Long (dms): Not reported

Tanks:

Owner:

Owner ID: OW05589

Owner Name: CLARKSON PROPERTIES, INC
Owner Address: 7800 BONHOMME AVENUE
Owner City, St, Zip: CLAYTON, MO 63105

Owner County Code:

Owner Phone:

Mail Was Not Deliverable:

Is Owner Active?:

Not reported
8630600

No
No

Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00

Date Record Edited: Not reported Name of Person Editing Record: Not reported

EDR ID Number

Direction Distance Elevation

nce EDR ID Number ation Site Database(s) EPA ID Number

FENTON 66 (Continued)

U001159087

Not reported

Tank ID: 1
Tank Double Wall: 0

Tank Type: Below Ground
Tank Status: Removed
Meet 98 Update Requirements: Not reported
Date Tank Installed: 01/01/1971
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported

Code for Tank Material Manufacturer: Not reported Code for Tank Installer: Not reported Other Type Of Tank Material: Not reported Tank Internal Protection: Not reported Not reported Other Tank Internal Protection: Tank Internal Protection Date: Not reported Tank External Protection: Not reported Other Type Tank Extrn Protec: Not reported Tank External Protec Date: Not reported Date Tank Last Used: 12/31/1994 Date Tank Permanently Closed/ Removed: 11/15/1994

Dt Tk Exp Brought InUse/Internal Tracking:

Tank Fees Waived: No Expedite Closure On Tank?: No

Responsible Person Expediting Closure: Not reported Temporary Status Verified Date: Not reported Admin Fee 585: Not reported Date Administratively Closed: Not reported Date Record Added: 06/30/1995 06/07/1996 Date Record Edited: Person Adding/Editing Record: Not reported Date Of NFA Letter: 11/15/1994 Is Tank Used For Emergency Generator: No

Date Closure Notice Received: 04/06/1994
Date Of Aprroval Letter: 11/15/1994

Firm Closing Tank: SHIFRIN & ASSOCIATES

Date Closure Report Received: Not reported Registration End Date: Not reported

LockOut Flag: No

Comments: 3-8000 GAS & 1-8,000 DIESEL

Tank Compartment:

Tanks Use: False

Compartment No: 1

Tank Compartment PK: 30629

Tank PK: 30629

Case Number: Not reported

Compartment Status: Removed

Compartment Temp Verified Dt: Not reported

Capacity: 8000

Substance: Gasoline, Including Blends

Substance Other: Not reported Hazardous Substance: Not reported Mixture: False

Date of Last Use: 1994-12-31 00:00:00

Pipe Installation Date: Not reported Pipe System: Not reported

Pipe Material: 1

Pipe Material Other: Not reported Pipe Protection: Not reported Pipe Protection Date: Not reported

Direction Distance

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

FENTON 66 (Continued) U001159087

Pipe Double Wall: 0 False Spill Protection:

Owner:

Owner ID: OW05589

CLARKSON PROPERTIES, INC Owner Name: 7800 BONHOMME AVENUE Owner Address: Owner City, St, Zip: CLAYTON, MO 63105

Owner County Code: Not reported 8630600 Owner Phone: Mail Was Not Deliverable: No Is Owner Active?: No

Date Registration Received: Not reported Date Record Added: 1995-06-30 00:00:00 Date Record Edited: Not reported Name of Person Editing Record: Not reported

2 Tank ID: Tank Double Wall: Tank Type: **Below Ground**

Tank Status: Removed Meet 98 Update Requirements: Not reported 01/01/1971 Date Tank Installed: Tank Material: Steel Code for Tank Material Manufacturer: Not reported Code for Tank Installer: Not reported Other Type Of Tank Material: Not reported Tank Internal Protection: Not reported Other Tank Internal Protection: Not reported Tank Internal Protection Date: Not reported Tank External Protection: Not reported Other Type Tank Extrn Protec: Not reported Tank External Protec Date: Not reported 12/31/1993 Date Tank Last Used: Date Tank Permanently Closed/ Removed: 11/15/1994

Dt Tk Exp Brought InUse/Internal Tracking:

Tank Fees Waived: No

Expedite Closure On Tank?: No

Responsible Person Expediting Closure: Not reported Temporary Status Verified Date: Not reported Admin Fee 585: Not reported Not reported Date Administratively Closed: Date Record Added: 06/30/1995 Date Record Edited: 06/07/1996 Person Adding/Editing Record: Not reported 11/15/1994 Date Of NFA Letter:

Is Tank Used For Emergency Generator: No

Date Closure Notice Received: 04/06/1994 Date Of Aprroval Letter: 11/15/1994

SHIFRIN & ASSOCIATES Firm Closing Tank:

Date Closure Report Received: Not reported Registration End Date: Not reported LockOut Flag: No

Comments: 3-8000 GAS & 1-8,000 DIESEL Not reported

Direction Distance Elevation

tion Site Database(s) EPA ID Number

FENTON 66 (Continued) U001159087

Tank Compartment:

Tanks Use: False
Compartment No: 1
Tank Compartment PK: 30630
Tank PK: 30630
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported

Capacity: 8000

Substance: Gasoline, Including Blends

Substance Other: Not reported Hazardous Substance: Not reported

Mixture: False

Date of Last Use: 1993-12-31 00:00:00
Pipe Installation Date: Not reported
Pipe System: Not reported

Pipe Material:

Pipe Material Other: Not reported Pipe Protection: Not reported Pipe Protection Date: Not reported

Pipe Double Wall: 0
Spill Protection: False

Owner:

Owner ID: OW05589

Owner Name: CLARKSON PROPERTIES, INC
Owner Address: 7800 BONHOMME AVENUE
Owner City,St,Zip: CLAYTON, MO 63105

Owner County Code:

Owner Phone:

Mail Was Not Deliverable:

Is Owner Active?:

No

No

Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00

Date Record Edited: Not reported Name of Person Editing Record: Not reported

Tank ID: 3
Tank Double Wall: 0

Tank Type: Below Ground
Tank Status: Removed
Meet 98 Update Requirements: Not reported
Date Tank Installed: 01/01/1971
Tank Material: Steel

Code for Tank Material Manufacturer: Not reported Code for Tank Installer: Not reported Other Type Of Tank Material: Not reported Tank Internal Protection: Not reported Other Tank Internal Protection: Not reported Not reported Tank Internal Protection Date: Tank External Protection: Not reported Other Type Tank Extrn Protec: Not reported Tank External Protec Date: Not reported Date Tank Last Used: 12/31/1993

EDR ID Number

Direction Distance Elevation

nce EDR ID Number ttion Site Database(s) EPA ID Number

FENTON 66 (Continued) U001159087

Not reported

Date Tank Permanently Closed/ Removed: 11/15/1994

Dt Tk Exp Brought InUse/Internal Tracking:

Tank Fees Waived: No Expedite Closure On Tank?: No

Responsible Person Expediting Closure: Not reported Temporary Status Verified Date: Not reported Admin Fee 585:

Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 06/07/1996
Person Adding/Editing Record: Not reported
Date Of NFA Letter: 11/15/1994

Is Tank Used For Emergency Generator: No

Date Closure Notice Received: 04/06/1994
Date Of Aprroval Letter: 11/15/1994

Firm Closing Tank: SHIFRIN & ASSOCIATES

Date Closure Report Received: Not reported Registration End Date: Not reported LockOut Flag: No

Comments: 3-8000 GAS & 1-8,000 DIESEL

Tank Compartment:

Tanks Use: False
Compartment No: 1
Tank Compartment PK: 30631
Tank PK: 30631
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported

Capacity: 8000

Substance: Gasoline, Including Blends

Substance Other:
Hazardous Substance:
Mixture:
Not reported
Not reported
False

Date of Last Use: 1993-12-31 00:00:00

Pipe Installation Date:
Pipe System:
Pipe Material:
Pipe Material Other:
Pipe Protection:
Not reported
Not reported
Not reported

Pipe Protection Date:

Pipe Double Wall:

Spill Protection:

Not reported
0
False

Owner:

Owner ID: OW05589

Owner Name: CLARKSON PROPERTIES, INC
Owner Address: 7800 BONHOMME AVENUE
Owner City,St,Zip: CLAYTON, MO 63105

Owner County Code:

Owner Phone:

Mail Was Not Deliverable:

Is Owner Active?:

Not reported
8630600

No
No

Date Registration Received:

Date Record Added:

Date Record Edited:

Not reported

1995-06-30 00:00:00

Not reported

Direction Distance Elevation

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

FENTON 66 (Continued) U001159087

Name of Person Editing Record: Not reported

Tank ID: Tank Double Wall:

Tank Type: Below Ground Tank Status: Removed Meet 98 Update Requirements: Not reported Date Tank Installed: 01/01/1971 Tank Material: Steel Code for Tank Material Manufacturer: Not reported Not reported Code for Tank Installer: Other Type Of Tank Material: Not reported Tank Internal Protection: Not reported Other Tank Internal Protection: Not reported Tank Internal Protection Date: Not reported Tank External Protection: Not reported Other Type Tank Extrn Protec: Not reported Tank External Protec Date: Not reported 12/31/1993 Date Tank Last Used: Date Tank Permanently Closed/ Removed: 11/15/1994

Dt Tk Exp Brought InUse/Internal Tracking:

Tank Fees Waived:

Expedite Closure On Tank?: No Responsible Person Expediting Closure: Not reported Temporary Status Verified Date: Not reported Not reported Admin Fee 585: Date Administratively Closed: Not reported 06/30/1995 Date Record Added:

06/07/1996 Date Record Edited: Person Adding/Editing Record: Not reported Date Of NFA Letter: 11/15/1994 Is Tank Used For Emergency Generator: No Date Closure Notice Received: 04/06/1994 Date Of Aprroval Letter: 11/15/1994

Firm Closing Tank: SHIFRIN & ASSOCIATES

Date Closure Report Received: Not reported Registration End Date: Not reported

LockOut Flag: No

Comments: 3-8000 GAS & 1-8,000 DIESEL

No

Tank Compartment:

Tanks Use: False Compartment No: Tank Compartment PK: 30632 Tank PK: 30632 Case Number: Not reported Compartment Status: Removed Compartment Temp Verified Dt: Not reported Capacity: 8000 Substance: Diesel Substance Other: Not reported Hazardous Substance: Not reported Mixture: False

1993-12-31 00:00:00 Date of Last Use:

Pipe Installation Date: Not reported Pipe System: Not reported

Pipe Material:

EDR ID Number

Not reported

Direction Distance Elevation

Site Database(s) EPA ID Number

FENTON 66 (Continued)

U001159087

EDR ID Number

Pipe Material Other: Not reported Pipe Protection: Not reported Pipe Protection Date: Not reported

Pipe Double Wall: 0
Spill Protection: False

Tank Aug 2011:

Facility Id: ST0012352
Tank Id: 1
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported

Free Product:

Drinking Water:

Closed Under:

Not reported

Not reported

Not reported

No

No Buildings: No Vapor Barrier: 0 St Louis Mo: No Special Well Area: No Surface Cap:

No Drinking Wells:

Surface Cap: No No Excavation: No

Facility Id: ST0012352

Tank ld: 2

Site Usage: Not reported Not reported Risk Type: Soil Type: Not reported GW Flow: Not reported Offsite Impact: Not reported Not reported Free Product: Drinking Water: Not reported Closed Under: Not reported

No Drinking Wells:
No Buildings:
Vapor Barrier:
St Louis Mo:
Special Well Area:
No Surface Cap:
No Excavation:
No

Facility Id: ST0012352

Tank ld: 3

Site Usage: Not reported Risk Type: Not reported Not reported Soil Type: GW Flow: Not reported Offsite Impact: Not reported Free Product: Not reported Drinking Water: Not reported Closed Under: Not reported

No Drinking Wells: No No Buildings: No Vapor Barrier: 0

Map ID MAP FINDINGS

Direction Distance

Elevation Site Database(s) EPA ID Number

FENTON 66 (Continued) U001159087

St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0012352

Tank ld: 4

Site Usage: Not reported Risk Type: Not reported Soil Type: Not reported GW Flow: Not reported Offsite Impact: Not reported Free Product: Not reported Drinking Water: Not reported Closed Under: Not reported

No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

34 CHRYSLER DUMP SMARS S112442479
SSE 478 SOUTH HIGHWAY 141 N/A

1/4-1/2 0.430 mi. 2270 ft.

Relative: SMARS:

FENTON, MO 63026

 Lower
 Name:
 CHRYSLER DUMP

 Actual:
 Address:
 478 SOUTH HIGHWAY 141

 412 ft.
 City,State,Zip:
 FENTON, MO 63026-4026

SM Number: 10112
CERCLIS: MOD985817493
Ownership: Superfund
Superfund Ownership: Yes
Voluntary Cleanup Ownership: No
Federal Facilities Ownership: No
Permits Ownership: No

NPL Date: Not reported
Tank Site Identification #: Not reported
Tank Remediation #: Not reported

Registry: No Site Code: 3506 Other Site Code: 07RH **EDR ID Number**

MAP FINDINGS Map ID

Direction Distance

Elevation Site Database(s) **EPA ID Number**

35 **TOM & MARILY CARNEY** LUST U003981003 West **425 NEW SMIZER RD** UST N/A

1/4-1/2 FENTON, MO 63026 0.447 mi. 2362 ft.

Relative: LUST: Higher **TOM & MARILY CARNEY** Name: 425 NEW SMIZER RD Address: Actual: City,State,Zip: FENTON, MO 63026 434 ft.

Facility ID: ST5800529

Region: SL - St. Louis Regional Office

Lat/Long (dms): Not reported Spill Number: Not reported 02/04/1993 Release Date:

Release Type: UNDERGROUND STORAGE TANK

Date Cleanup Started: 02/04/1993 05/24/1993 Date Cleanup Finished: Expedited: No

Expedited Date: Not reported

Expenditures From The American Recovery and Reinvestment Act of 2009No

Not reported Reopened Date:

Number Of Remediation Monitoring Wells: 0 Active: No

Date Of NFA Letter From DNR: Not reported Date Record Meets Archive Criteria: Not reported R003779 Remediation ID: Rank: Not reported Not reported Emergeny Response Date: **Emergency Cleanup Start:** Not reported Referred To DGLS for Investigation: Not reported Contractor Performing Clean Up: Not reported **RBCA NFA:** No Project Manager:

Next Correspondence/Update With Fac: Not reported Date Added: 06/30/1995 Date Record Edited: 06/22/1999 Person Adding Or Editing Record: NREQHW-GROWJ

Facility Sent To State Archive: Yes

Date Remediation Unit Closed The File: Not reported

Site Affectd By Funding Level From PSTIF: No

General Comments: Not reported

UST:

ST5800529 Facility ID: Region:

722568.449 Easting: Northing: 4266043.84

Owner Of Geospatial Data: Hazardous Waste Program

Geospatial Data Collected By: VANCE, S Date GIS Data Collected: 08/26/2013

38.5149753 / -90.447210 Lat/Long:

Lat/Long (dms): Not reported

Tanks: Owner:

> Owner ID: Not reported Owner Name: Not reported Owner Address: Not reported

EDR ID Number

Map ID MAP FINDINGS

Direction
Distance
Elevation

Site Database(s) EPA ID Number

TOM & MARILY CARNEY (Continued)

U003981003

EDR ID Number

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

Tank ID: Not reported Tank Double Wall: Not reported Tank Type: Not reported Tank Status: Not reported Meet 98 Update Requirements: Not reported Date Tank Installed: Not reported Tank Material: Not reported Code for Tank Material Manufacturer: Not reported Code for Tank Installer: Not reported Other Type Of Tank Material: Not reported Tank Internal Protection: Not reported Not reported Other Tank Internal Protection: Tank Internal Protection Date: Not reported Not reported Tank External Protection: Other Type Tank Extrn Protec: Not reported Tank External Protec Date: Not reported Date Tank Last Used: Not reported Date Tank Permanently Closed/ Removed: Not reported

Dt Tk Exp Brought InUse/Internal Tracking:

Tank Fees Waived: Not reported Expedite Closure On Tank?: Not reported Responsible Person Expediting Closure: Not reported Temporary Status Verified Date: Not reported Not reported Admin Fee 585: Date Administratively Closed: Not reported Date Record Added: Not reported Date Record Edited: Not reported Person Adding/Editing Record: Not reported Date Of NFA Letter: Not reported Is Tank Used For Emergency Generator: Not reported Date Closure Notice Received: Not reported Date Of Aprroval Letter: Not reported Firm Closing Tank: Not reported Date Closure Report Received: Not reported Registration End Date: Not reported LockOut Flag: Not reported Comments: Not reported

Tank Aug 2011:

Facility Id: ST5800529
Tank Id: Not reported
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported

Not reported

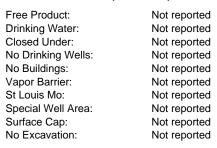
Map ID MAP FINDINGS Direction

Distance Elevation

ce EDR ID Number on Site Database(s) EPA ID Number

TOM & MARILY CARNEY (Continued)

U003981003



Count: 4 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
FENTON FENTON		WINTERS BROTHER PARK FENTON LOGISTICS PARK	HWY 30-41 CORISANDE & ALLEN RD 2070 FENTON LOGISTICS PARK BLV		SEMS-ARCHIVE VCP, BROWNFIELDS, SMARS
FENTON	S123314157	FENTON LOGISTICS BUILDING V	2055 FENTON LOGISTICS PARK BOU	63026	AUL, VCP, BROWNFIELDS, NPDES, SMARS
ST LOUIS COUNTY	1027611368	GREGORY COURT SUBDIVISION	TESSON FERRY RD & HWY 270	63128	SEMS-ARCHIVE



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

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

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

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

Date of Government Version: 06/22/2023 Source: EPA
Date Data Arrived at EDR: 07/06/2023 Telephone: N/A

Number of Days to Update: 18 Next Scheduled EDR Contact: 01/08/2024
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1 EPA Region 6

Telephone 617-918-1143 Telephone: 214-655-6659

EPA Region 3 EPA Region 7

Telephone 215-814-5418 Telephone: 913-551-7247

EPA Region 4 EPA Region 8

Telephone 404-562-8033 Telephone: 303-312-6774

EPA Region 5 EPA Region 9

Telephone 312-886-6686 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: 06/22/2023 Source: EPA
Date Data Arrived at EDR: 07/06/2023 Telephone: N/A

ate: 18 Next Scheduled EDR Contact: 01/08/2024
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

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

Date of Government Version: 10/15/1991 Date Data Arrived at EDR: 02/02/1994 Date Made Active in Reports: 03/30/1994

Number of Days to Update: 56

Source: EPA

Telephone: 202-564-4267 Last EDR Contact: 08/15/2011

Next Scheduled EDR Contact: 11/28/2011 Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

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

Date of Government Version: 06/22/2023 Date Data Arrived at EDR: 07/06/2023 Date Made Active in Reports: 07/24/2023

Number of Days to Update: 18

Source: EPA Telephone: N/A

Last EDR Contact: 10/03/2023

Next Scheduled EDR Contact: 01/08/2024 Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

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

Date of Government Version: 06/23/2023 Date Data Arrived at EDR: 06/23/2023 Date Made Active in Reports: 09/20/2023

Number of Days to Update: 89

Source: Environmental Protection Agency

Telephone: 703-603-8704 Last EDR Contact: 09/26/2023

Next Scheduled EDR Contact: 01/08/2024 Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

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

Date of Government Version: 06/22/2023 Date Data Arrived at EDR: 07/06/2023 Date Made Active in Reports: 07/24/2023

Number of Days to Update: 18

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 10/03/2023

Next Scheduled EDR Contact: 01/22/2024 Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

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

Date of Government Version: 06/22/2023 Date Data Arrived at EDR: 07/06/2023 Date Made Active in Reports: 07/24/2023

Number of Days to Update: 18

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 10/03/2023

Next Scheduled EDR Contact: 01/22/2024 Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 07/24/2023 Date Data Arrived at EDR: 07/31/2023 Date Made Active in Reports: 08/14/2023

Number of Days to Update: 14

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 09/20/2023

Next Scheduled EDR Contact: 01/01/2024 Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

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

Date of Government Version: 07/24/2023 Date Data Arrived at EDR: 07/31/2023 Date Made Active in Reports: 08/14/2023

Number of Days to Update: 14

Source: Environmental Protection Agency

Telephone: 913-551-7003 Last EDR Contact: 09/20/2023

Next Scheduled EDR Contact: 01/01/2024 Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 07/24/2023 Date Data Arrived at EDR: 07/31/2023 Date Made Active in Reports: 08/14/2023

Number of Days to Update: 14

Source: Environmental Protection Agency Telephone: 913-551-7003

Last EDR Contact: 09/20/2023

Next Scheduled EDR Contact: 01/01/2024 Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 07/24/2023 Date Data Arrived at EDR: 07/31/2023 Date Made Active in Reports: 08/14/2023

Number of Days to Update: 14

Source: Environmental Protection Agency

Telephone: 913-551-7003 Last EDR Contact: 09/20/2023

Next Scheduled EDR Contact: 01/01/2024 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: 07/24/2023 Date Data Arrived at EDR: 07/31/2023 Date Made Active in Reports: 08/14/2023

Number of Days to Update: 14

Source: Environmental Protection Agency

Telephone: 913-551-7003 Last EDR Contact: 09/20/2023

Next Scheduled EDR Contact: 01/01/2024 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: 05/25/2023 Date Data Arrived at EDR: 05/31/2023 Date Made Active in Reports: 07/24/2023

Number of Days to Update: 54

Source: Department of the Navy Telephone: 843-820-7326 Last EDR Contact: 08/02/2023

Next Scheduled EDR Contact: 11/20/2023 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: 05/22/2023 Date Data Arrived at EDR: 05/23/2023 Date Made Active in Reports: 07/24/2023

Number of Days to Update: 62

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 08/21/2023

Next Scheduled EDR Contact: 12/04/2023 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: 05/22/2023 Date Data Arrived at EDR: 05/23/2023 Date Made Active in Reports: 07/24/2023

Number of Days to Update: 62

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 08/21/2023

Next Scheduled EDR Contact: 12/04/2023

Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

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

substances.

Date of Government Version: 06/12/2023 Date Data Arrived at EDR: 06/20/2023 Date Made Active in Reports: 08/14/2023

Number of Days to Update: 55

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180 Last EDR Contact: 09/20/2023

Next Scheduled EDR Contact: 01/01/2024 Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

HWS DETAIL: Registry Annual Report

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

Date of Government Version: 06/30/2022 Date Data Arrived at EDR: 03/01/2023 Date Made Active in Reports: 05/19/2023

Number of Days to Update: 79

Source: Department of Natural Resources

Telephone: 573-751-3176 Last EDR Contact: 08/24/2023

Next Scheduled EDR Contact: 12/04/2023 Data Release Frequency: Annually

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: 09/12/2022 Date Data Arrived at EDR: 09/21/2022 Date Made Active in Reports: 12/08/2022

Number of Days to Update: 78

Source: Department of Natural Resources

Telephone: 573-751-1990 Last EDR Contact: 08/30/2023

Next Scheduled EDR Contact: 12/18/2023 Data Release Frequency: Annually

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF: Solid Waste Facility List

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

Date of Government Version: 05/22/2023 Date Data Arrived at EDR: 05/24/2023 Date Made Active in Reports: 08/16/2023

Number of Days to Update: 84

Source: Department of Natural Resources

Telephone: 573-751-5401 Last EDR Contact: 08/22/2023

Next Scheduled EDR Contact: 12/04/2023

Data Release Frequency: Varies

Lists of state and tribal leaking storage tanks

LUST: Leaking Underground Storage Tanks

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

Date of Government Version: 05/31/2023 Date Data Arrived at EDR: 06/05/2023 Date Made Active in Reports: 08/24/2023

Number of Days to Update: 80

Source: Department of Natural Resources

Telephone: 573-751-0135 Last EDR Contact: 09/06/2023

Next Scheduled EDR Contact: 12/18/2023 Data Release Frequency: Quarterly

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

Date of Government Version: 05/31/2023 Date Data Arrived at EDR: 06/05/2023 Date Made Active in Reports: 08/24/2023

Number of Days to Update: 80

Source: Department of Natural Resources

Telephone: 573-751-6822 Last EDR Contact: 09/06/2023

Next Scheduled EDR Contact: 12/18/2023 Data Release Frequency: Quarterly

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

Date of Government Version: 04/20/2023 Date Data Arrived at EDR: 05/09/2023 Date Made Active in Reports: 07/14/2023

Number of Days to Update: 66

Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 05/09/2023

Next Scheduled EDR Contact: 10/30/2023 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: 04/19/2023 Date Data Arrived at EDR: 05/09/2023 Date Made Active in Reports: 07/14/2023

Number of Days to Update: 66

Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 07/17/2023

Next Scheduled EDR Contact: 10/30/2023

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: 04/14/2023 Date Data Arrived at EDR: 05/09/2023 Date Made Active in Reports: 07/14/2023

Number of Days to Update: 66

Source: EPA, Region 5 Telephone: 312-886-7439 Last EDR Contact: 07/17/2023

Next Scheduled EDR Contact: 10/30/2023 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: 04/26/2023 Date Data Arrived at EDR: 05/09/2023 Date Made Active in Reports: 07/14/2023

Number of Days to Update: 66

Source: EPA Region 6 Telephone: 214-665-6597 Last EDR Contact: 07/17/2023

Next Scheduled EDR Contact: 10/30/2023 Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/20/2023 Date Data Arrived at EDR: 05/09/2023 Date Made Active in Reports: 07/14/2023

Number of Days to Update: 66

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 07/17/2023

Next Scheduled EDR Contact: 10/30/2023 Data Release Frequency: Varies

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

Date of Government Version: 04/25/2023 Date Data Arrived at EDR: 05/09/2023 Date Made Active in Reports: 07/14/2023

Number of Days to Update: 66

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 07/17/2023

Next Scheduled EDR Contact: 10/30/2023

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: 04/20/2023 Date Data Arrived at EDR: 05/09/2023 Date Made Active in Reports: 07/14/2023

Number of Days to Update: 66

Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 07/17/2023

Next Scheduled EDR Contact: 10/30/2023 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: 04/19/2023 Date Data Arrived at EDR: 05/09/2023 Date Made Active in Reports: 07/14/2023

Number of Days to Update: 66

Source: Environmental Protection Agency

Telephone: 415-972-3372 Last EDR Contact: 07/17/2023

Next Scheduled EDR Contact: 10/30/2023 Data Release Frequency: Varies

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 03/08/2023 Date Data Arrived at EDR: 03/09/2023 Date Made Active in Reports: 05/30/2023

Number of Days to Update: 82

Source: FEMA

Telephone: 202-646-5797 Last EDR Contact: 09/27/2023

Next Scheduled EDR Contact: 01/15/2024

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: 05/31/2023 Date Data Arrived at EDR: 06/05/2023 Date Made Active in Reports: 08/24/2023

Number of Days to Update: 80

Source: Department of Natural Resources

Telephone: 573-751-0135 Last EDR Contact: 09/06/2023

Next Scheduled EDR Contact: 12/18/2023 Data Release Frequency: Quarterly

AST: Aboveground Petroleum Storage Tanks Registered Aboveground Storage Tanks.

Date of Government Version: 05/26/2023 Date Data Arrived at EDR: 05/30/2023 Date Made Active in Reports: 07/26/2023

Number of Days to Update: 57

Source: Department of Agriculture Telephone: 573-751-7062 Last EDR Contact: 08/23/2023

Next Scheduled EDR Contact: 12/11/2023 Data Release Frequency: Semi-Annually

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: 04/20/2023 Date Data Arrived at EDR: 05/09/2023 Date Made Active in Reports: 07/14/2023

Number of Days to Update: 66

Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 07/17/2023

Next Scheduled EDR Contact: 10/30/2023

Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/19/2023 Date Data Arrived at EDR: 05/09/2023 Date Made Active in Reports: 07/14/2023

Number of Days to Update: 66

Source: EPA Region 9 Telephone: 415-972-3368 Last EDR Contact: 07/17/2023

Next Scheduled EDR Contact: 10/30/2023 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: 04/20/2023 Date Data Arrived at EDR: 05/09/2023 Date Made Active in Reports: 07/14/2023

Number of Days to Update: 66

Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 07/17/2023

Next Scheduled EDR Contact: 10/30/2023

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: 04/20/2023 Date Data Arrived at EDR: 05/09/2023 Date Made Active in Reports: 07/14/2023

Number of Days to Update: 66

Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 07/17/2023

Next Scheduled EDR Contact: 10/30/2023 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: 04/14/2023 Date Data Arrived at EDR: 05/09/2023 Date Made Active in Reports: 07/14/2023

Number of Days to Update: 66

Source: EPA Region 5 Telephone: 312-886-6136 Last EDR Contact: 07/17/2023

Next Scheduled EDR Contact: 10/30/2023

Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/26/2023 Date Data Arrived at EDR: 05/09/2023 Date Made Active in Reports: 07/14/2023

Number of Days to Update: 66

Source: EPA Region 6 Telephone: 214-665-7591 Last EDR Contact: 07/17/2023

Next Scheduled EDR Contact: 10/30/2023 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: 04/20/2023 Date Data Arrived at EDR: 05/09/2023 Date Made Active in Reports: 07/14/2023

Number of Days to Update: 66

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 07/17/2023

Next Scheduled EDR Contact: 10/30/2023 Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/25/2023 Date Data Arrived at EDR: 05/09/2023 Date Made Active in Reports: 07/14/2023

Number of Days to Update: 66

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 07/17/2023

Next Scheduled EDR Contact: 10/30/2023 Data Release Frequency: Varies

TANKS: Underground Storage Tank Database

Storage tank sites

Date of Government Version: 05/31/2023 Date Data Arrived at EDR: 06/05/2023 Date Made Active in Reports: 08/24/2023

Number of Days to Update: 80

Source: Department of Natural Resources

Telephone: 573-526-2058 Last EDR Contact: 09/06/2023

Next Scheduled EDR Contact: 12/18/2023 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: 05/04/2023 Date Data Arrived at EDR: 05/09/2023 Date Made Active in Reports: 08/03/2023

Number of Days to Update: 86

Source: Department of Natural Resources Telephone: 573-751-3176

Last EDR Contact: 08/08/2023

Next Scheduled EDR Contact: 11/20/2023 Data Release Frequency: Quarterly

Lists of state and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

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

Date of Government Version: 07/27/2015 Date Data Arrived at EDR: 09/29/2015 Date Made Active in Reports: 02/18/2016

Number of Days to Update: 142

Source: EPA, Region 1 Telephone: 617-918-1102 Last EDR Contact: 09/12/2023

Next Scheduled EDR Contact: 01/01/2024 Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

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

Date of Government Version: 03/20/2008 Date Data Arrived at EDR: 04/22/2008 Date Made Active in Reports: 05/19/2008

Number of Days to Update: 27

Source: EPA, Region 7 Telephone: 913-551-7365 Last EDR Contact: 07/08/2021

Next Scheduled EDR Contact: 07/20/2009 Data Release Frequency: Varies

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

Date of Government Version: 05/04/2023 Date Data Arrived at EDR: 05/09/2023 Date Made Active in Reports: 08/03/2023

Number of Days to Update: 86

Source: Department of Natural Resources Telephone: 573-526-8913

Last EDR Contact: 08/08/2023 Next Scheduled EDR Contact: 11/20/2023

Next Scheduled EDR Contact: 11/20/20: Data Release Frequency: Quarterly

Lists of state and tribal brownfield sites

BROWNFIELDS: Brownfields Site List

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

Date of Government Version: 05/04/2023 Date Data Arrived at EDR: 05/09/2023 Date Made Active in Reports: 08/03/2023

Number of Days to Update: 86

Source: Department of Natural Resources

Telephone: 573-526-8913 Last EDR Contact: 08/08/2023

Next Scheduled EDR Contact: 11/20/2023 Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

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

Date of Government Version: 04/06/2023 Date Data Arrived at EDR: 04/13/2023 Date Made Active in Reports: 04/19/2023

Number of Days to Update: 6

Source: Environmental Protection Agency

Telephone: 202-566-2777 Last EDR Contact: 08/30/2023

Next Scheduled EDR Contact: 12/25/2023 Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

HIST LF: Solid Waste Facility Database List

This database contains detailed information per site. It is no longer maintained by the Department of Natural Resources. For current information on solid waste facilities/landfills see the SWF/LF database.

Date of Government Version: 04/12/2005 Date Data Arrived at EDR: 07/19/2006 Date Made Active in Reports: 08/18/2006

Number of Days to Update: 30

Source: Department of Natural Resources

Telephone: 573-751-5401 Last EDR Contact: 01/12/2009

Next Scheduled EDR Contact: 04/13/2009 Data Release Frequency: No Update Planned

SWRCY: Solid Waste Recycling Facilities A listing of recycling center locations.

> Date of Government Version: 06/07/2023 Date Data Arrived at EDR: 06/08/2023 Date Made Active in Reports: 08/30/2023

Number of Days to Update: 83

Source: Department of Natural Resources

Telephone: 573-526-3944 Last EDR Contact: 08/16/2023

Next Scheduled EDR Contact: 12/04/2023 Data Release Frequency: Varies

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

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998 Date Data Arrived at EDR: 12/03/2007 Date Made Active in Reports: 01/24/2008

Number of Days to Update: 52

Source: Environmental Protection Agency

Telephone: 703-308-8245 Last EDR Contact: 07/19/2023

Next Scheduled EDR Contact: 11/06/2023

Data Release Frequency: Varies

ODI: Open Dump Inventory

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

Subtitle D Criteria.

Date of Government Version: 06/30/1985 Date Data Arrived at EDR: 08/09/2004 Date Made Active in Reports: 09/17/2004

Number of Days to Update: 39

Source: Environmental Protection Agency

Telephone: 800-424-9346 Last EDR Contact: 06/09/2004 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside

County and northern Imperial County, California.

Date of Government Version: 01/12/2009 Date Data Arrived at EDR: 05/07/2009 Date Made Active in Reports: 09/21/2009

Number of Days to Update: 137

Source: EPA, Region 9 Telephone: 415-947-4219 Last EDR Contact: 07/11/2023

Next Scheduled EDR Contact: 10/30/2023 Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

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

Date of Government Version: 04/01/2014 Date Data Arrived at EDR: 08/06/2014 Date Made Active in Reports: 01/29/2015

Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service

Telephone: 301-443-1452 Last EDR Contact: 07/27/2023

Next Scheduled EDR Contact: 11/13/2023

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: 05/22/2023 Date Data Arrived at EDR: 05/23/2023 Date Made Active in Reports: 07/10/2023

Number of Days to Update: 48

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 08/21/2023

Next Scheduled EDR Contact: 12/04/2023 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: 12/05/2022 Date Data Arrived at EDR: 12/05/2022 Date Made Active in Reports: 02/24/2023

Number of Days to Update: 81

Source: Department of Natural Resources

Telephone: 573-751-3443 Last EDR Contact: 08/30/2023

Next Scheduled EDR Contact: 12/18/2023 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: 09/12/2022 Date Data Arrived at EDR: 09/21/2022 Date Made Active in Reports: 12/08/2022

Number of Days to Update: 78

Source: Department of Natural Resources

Telephone: 573-522-3710 Last EDR Contact: 08/30/2023

Next Scheduled EDR Contact: 12/18/2023 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: 05/22/2023 Date Data Arrived at EDR: 05/23/2023 Date Made Active in Reports: 07/10/2023

Number of Days to Update: 48

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 08/21/2023

Next Scheduled EDR Contact: 12/04/2023 Data Release Frequency: Quarterly

Local Land Records

LIENS 2: CERCLA Lien Information

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

Date of Government Version: 06/22/2023 Date Data Arrived at EDR: 07/06/2023 Date Made Active in Reports: 07/24/2023

Number of Days to Update: 18

Source: Environmental Protection Agency

Telephone: 202-564-6023 Last EDR Contact: 10/03/2023

Next Scheduled EDR Contact: 01/08/2024 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: 06/19/2023 Date Data Arrived at EDR: 06/23/2023 Date Made Active in Reports: 09/20/2023

Number of Days to Update: 89

Source: U.S. Department of Transportation

Telephone: 202-366-4555 Last EDR Contact: 09/20/2023

Next Scheduled EDR Contact: 01/01/2024 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: 12/05/2022 Date Data Arrived at EDR: 12/05/2022 Date Made Active in Reports: 02/24/2023

Number of Days to Update: 81

Source: Department of Natural Resources

Telephone: 573-526-3349 Last EDR Contact: 08/30/2023

Next Scheduled EDR Contact: 12/18/2023 Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/27/2012 Date Data Arrived at EDR: 01/03/2013 Date Made Active in Reports: 02/22/2013

Number of Days to Update: 50

Source: FirstSearch Telephone: N/A

Last EDR Contact: 01/03/2013 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

Other Ascertainable Records

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

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

Date of Government Version: 07/24/2023 Date Data Arrived at EDR: 07/31/2023 Date Made Active in Reports: 08/14/2023

Number of Days to Update: 14

Source: Environmental Protection Agency

Telephone: 913-551-7003 Last EDR Contact: 09/20/2023

Next Scheduled EDR Contact: 01/01/2024 Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

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

Date of Government Version: 05/08/2023 Date Data Arrived at EDR: 05/16/2023 Date Made Active in Reports: 07/10/2023

Number of Days to Update: 55

Source: U.S. Army Corps of Engineers

Telephone: 202-528-4285 Last EDR Contact: 08/15/2023

Next Scheduled EDR Contact: 11/27/2023 Data Release Frequency: Varies

DOD: Department of Defense Sites

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

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

Number of Days to Update: 239

Source: USGS

Telephone: 888-275-8747 Last EDR Contact: 07/10/2023

Next Scheduled EDR Contact: 10/23/2023

Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

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

Date of Government Version: 04/02/2018 Date Data Arrived at EDR: 04/11/2018 Date Made Active in Reports: 11/06/2019

Number of Days to Update: 574

Source: U.S. Geological Survey Telephone: 888-275-8747 Last EDR Contact: 10/04/2023

Next Scheduled EDR Contact: 01/15/2024

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: 07/30/2021 Date Data Arrived at EDR: 02/03/2023 Date Made Active in Reports: 02/10/2023

Number of Days to Update: 7

Source: Environmental Protection Agency

Telephone: 615-532-8599 Last EDR Contact: 08/01/2023

Next Scheduled EDR Contact: 11/20/2023

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: 06/19/2023 Date Data Arrived at EDR: 06/20/2023 Date Made Active in Reports: 08/14/2023

Number of Days to Update: 55

Source: Environmental Protection Agency

Telephone: 202-566-1917 Last EDR Contact: 09/20/2023

Next Scheduled EDR Contact: 01/01/2024 Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

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

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

Number of Days to Update: 88

Source: Environmental Protection Agency

Telephone: 617-520-3000 Last EDR Contact: 07/31/2023

Next Scheduled EDR Contact: 11/13/2023 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: 08/03/2023

Next Scheduled EDR Contact: 11/13/2023

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: 12/31/2020 Date Data Arrived at EDR: 06/14/2022 Date Made Active in Reports: 03/24/2023

Number of Days to Update: 283

Source: EPA

Telephone: 202-260-5521 Last EDR Contact: 09/15/2023

Next Scheduled EDR Contact: 12/25/2023 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: 12/31/2021 Date Data Arrived at EDR: 02/16/2023 Date Made Active in Reports: 05/02/2023

Number of Days to Update: 75

Source: EPA

Telephone: 202-566-0250 Last EDR Contact: 08/18/2023

Next Scheduled EDR Contact: 11/27/2023 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: 04/17/2023 Date Data Arrived at EDR: 04/18/2023 Date Made Active in Reports: 07/10/2023

Number of Days to Update: 83

Source: EPA

Telephone: 202-564-4203 Last EDR Contact: 07/18/2023

Next Scheduled EDR Contact: 10/30/2023 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: 06/22/2023 Date Data Arrived at EDR: 07/06/2023 Date Made Active in Reports: 07/24/2023

Number of Days to Update: 18

Source: EPA

Telephone: 703-416-0223 Last EDR Contact: 10/03/2023

Next Scheduled EDR Contact: 12/11/2023

Data Release Frequency: Annually

RMP: Risk Management Plans

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

Date of Government Version: 05/09/2023 Date Data Arrived at EDR: 06/29/2023 Date Made Active in Reports: 09/25/2023

Number of Days to Update: 88

Source: Environmental Protection Agency

Telephone: 202-564-8600 Last EDR Contact: 09/26/2023

Next Scheduled EDR Contact: 10/30/2023

Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

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

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

Number of Days to Update: 35

Source: EPA

Telephone: 202-564-4104 Last EDR Contact: 06/02/2008

Next Scheduled EDR Contact: 09/01/2008 Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 06/22/2023 Date Data Arrived at EDR: 07/06/2023 Date Made Active in Reports: 07/24/2023

Number of Days to Update: 18

Source: EPA

Telephone: 202-564-6023 Last EDR Contact: 10/03/2023

Next Scheduled EDR Contact: 11/13/2023 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: 03/20/2023 Date Data Arrived at EDR: 04/04/2023 Date Made Active in Reports: 06/09/2023

Number of Days to Update: 66

Source: EPA

Telephone: 202-566-0500 Last EDR Contact: 10/06/2023

Next Scheduled EDR Contact: 01/15/2024 Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

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

Date of Government Version: 11/18/2016 Date Data Arrived at EDR: 11/23/2016 Date Made Active in Reports: 02/10/2017

Number of Days to Update: 79

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 09/27/2023

Next Scheduled EDR Contact: 01/15/2024 Data Release Frequency: Quarterly

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

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

Date of Government Version: 04/09/2009 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: 07/20/2023 Date Data Arrived at EDR: 09/01/2023 Date Made Active in Reports: 09/20/2023

Number of Days to Update: 19

Source: Nuclear Regulatory Commission

Telephone: 301-415-0717 Last EDR Contact: 07/12/2023

Next Scheduled EDR Contact: 10/30/2023 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: 12/31/2021 Date Data Arrived at EDR: 04/14/2023 Date Made Active in Reports: 07/10/2023

Number of Days to Update: 87

Source: Department of Energy Telephone: 202-586-8719 Last EDR Contact: 09/01/2023

Next Scheduled EDR Contact: 12/11/2023 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: 08/28/2023

Next Scheduled EDR Contact: 12/11/2023 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: 08/03/2023

Next Scheduled EDR Contact: 11/13/2023

Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S.

Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019 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: 09/22/2023

Next Scheduled EDR Contact: 01/08/2024 Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

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

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

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2007

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

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

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

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

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2008

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

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

Date of Government Version: 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 Transporation, Office of Pipeline Safety

Telephone: 202-366-4595 Last EDR Contact: 10/04/2023

Next Scheduled EDR Contact: 11/06/2023 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: 03/31/2023 Date Data Arrived at EDR: 04/20/2023 Date Made Active in Reports: 07/10/2023

Number of Days to Update: 81

Source: Department of Justice, Consent Decree Library

Telephone: Varies

Last EDR Contact: 10/03/2023

Next Scheduled EDR Contact: 01/15/2024 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: 12/31/2021 Date Data Arrived at EDR: 03/09/2023 Date Made Active in Reports: 03/20/2023

Number of Days to Update: 11

Source: EPA/NTIS Telephone: 800-424-9346 Last EDR Contact: 09/20/2023

Next Scheduled EDR Contact: 01/01/2024 Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

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

Date of Government Version: 12/31/2014 Date Data Arrived at EDR: 07/14/2015 Date Made Active in Reports: 01/10/2017

Number of Days to Update: 546

Source: USGS

Telephone: 202-208-3710 Last EDR Contact: 10/02/2023

Next Scheduled EDR Contact: 01/15/2024 Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

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

Date of Government Version: 03/03/2023 Date Data Arrived at EDR: 03/03/2023 Date Made Active in Reports: 06/09/2023

Number of Days to Update: 98

Source: Department of Energy Telephone: 202-586-3559 Last EDR Contact: 07/26/2023

Next Scheduled EDR Contact: 11/13/2023

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: 08/10/2023

Next Scheduled EDR Contact: 11/27/2023 Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 06/22/2023 Date Data Arrived at EDR: 07/06/2023 Date Made Active in Reports: 07/24/2023

Number of Days to Update: 18

Source: Environmental Protection Agency

Telephone: 703-603-8787 Last EDR Contact: 10/03/2023

Next Scheduled EDR Contact: 01/08/2024

Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

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

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

Number of Days to Update: 36

Source: American Journal of Public Health

Telephone: 703-305-6451 Last EDR Contact: 12/02/2009 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

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

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

Source: EPA

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

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: 05/01/2023 Date Data Arrived at EDR: 05/24/2023 Date Made Active in Reports: 07/24/2023

Number of Days to Update: 61

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959 Last EDR Contact: 08/22/2023

Next Scheduled EDR Contact: 12/04/2023 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: 07/05/2023 Date Data Arrived at EDR: 07/05/2023 Date Made Active in Reports: 09/25/2023

Number of Days to Update: 82

Source: DOL, Mine Safety & Health Admi

Telephone: 202-693-9424 Last EDR Contact: 10/04/2023

Next Scheduled EDR Contact: 11/20/2023 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: 01/07/2022 Date Data Arrived at EDR: 02/24/2023 Date Made Active in Reports: 05/17/2023

Number of Days to Update: 82

Source: USGS Telephone: 703-648-7709 Last EDR Contact: 08/24/2023

Next Scheduled EDR Contact: 12/04/2023 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: 08/24/2023

Next Scheduled EDR Contact: 12/04/2023 Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

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

Date of Government Version: 06/13/2023 Date Data Arrived at EDR: 06/14/2023 Date Made Active in Reports: 08/14/2023

Number of Days to Update: 61

Source: Department of Interior Telephone: 202-208-2609 Last EDR Contact: 09/12/2023

Next Scheduled EDR Contact: 12/18/2023 Data Release Frequency: Quarterly

MINES MRDS: Mineral Resources Data System Mineral Resources Data System

> Date of Government Version: 08/23/2022 Date Data Arrived at EDR: 11/22/2022 Date Made Active in Reports: 02/28/2023

Number of Days to Update: 98

Source: USGS

Telephone: 703-648-6533 Last EDR Contact: 08/24/2023

Next Scheduled EDR Contact: 12/04/2023 Data Release Frequency: Varies

FINDS: Facility Index System/Facility Registry System

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

Date of Government Version: 05/04/2023 Date Data Arrived at EDR: 05/25/2023 Date Made Active in Reports: 07/24/2023

Number of Days to Update: 60

Source: EPA

Telephone: (913) 551-7003 Last EDR Contact: 09/28/2023

Next Scheduled EDR Contact: 12/11/2023 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: 06/24/2023 Date Data Arrived at EDR: 06/29/2023 Date Made Active in Reports: 09/25/2023

Number of Days to Update: 88

Source: Environmental Protection Agency

Telephone: 202-564-2280 Last EDR Contact: 10/03/2023

Next Scheduled EDR Contact: 01/15/2024 Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 11/09/2021 Date Data Arrived at EDR: 10/20/2022 Date Made Active in Reports: 01/10/2023

Number of Days to Update: 82

Source: Department of Defense Telephone: 703-704-1564 Last EDR Contact: 09/13/2023

Next Scheduled EDR Contact: 01/22/2024 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: 05/06/2021 Date Data Arrived at EDR: 05/21/2021 Date Made Active in Reports: 08/11/2021

Number of Days to Update: 82

Source: Environmental Protection Agency

Telephone: 202-564-0527 Last EDR Contact: 08/15/2023

Next Scheduled EDR Contact: 12/04/2023

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: 05/15/2023 Date Data Arrived at EDR: 05/17/2023 Date Made Active in Reports: 07/10/2023

Number of Days to Update: 54

Source: EPA

Telephone: 800-385-6164 Last EDR Contact: 08/15/2023

Next Scheduled EDR Contact: 11/27/2023 Data Release Frequency: Quarterly

PFAS NPL: Superfund Sites with PFAS Detections Information

EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

Date of Government Version: 07/05/2023 Date Data Arrived at EDR: 07/05/2023 Date Made Active in Reports: 10/02/2023

Number of Days to Update: 89

Source: Environmental Protection Agency

Telephone: 703-603-8895 Last EDR Contact: 10/03/2023

Next Scheduled EDR Contact: 01/15/2024 Data Release Frequency: Varies

PFAS FEDERAL SITES: Federal Sites PFAS Information

Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 07/05/2023 Date Data Arrived at EDR: 07/05/2023 Date Made Active in Reports: 10/02/2023

Number of Days to Update: 89

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 10/03/2023

Next Scheduled EDR Contact: 01/15/2024

Data Release Frequency: Varies

PFAS TSCA: PFAS Manufacture and Imports Information

EPA issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. EPA publishes non-confidential business information (non-CBI) and includes descriptive information about each site, corporate parent, production volume, other manufacturing information, and processing and use information.

Date of Government Version: 07/05/2023 Date Data Arrived at EDR: 07/05/2023 Date Made Active in Reports: 10/02/2023

Number of Days to Update: 89

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 10/03/2023

Next Scheduled EDR Contact: 01/15/2024

Data Release Frequency: Varies

PFAS TRIS: List of PFAS Added to the TRI

Section 7321 of the National Defense Authorization Act for Fiscal Year 2020 (NDAA) immediately added certain per- and polyfluoroalkyl substances (PFAS) to the list of chemicals covered by the Toxics Release Inventory (TRI) under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) and provided a framework for additional PFAS to be added to TRI on an annual basis.

Date of Government Version: 07/05/2023 Date Data Arrived at EDR: 07/05/2023 Date Made Active in Reports: 10/02/2023

Number of Days to Update: 89

Source: Environmental Protection Agency

Telephone: 202-566-0250 Last EDR Contact: 10/03/2023

Next Scheduled EDR Contact: 01/15/2024 Data Release Frequency: Varies

PFAS RCRA MANIFEST: PFAS Transfers Identified In the RCRA Database Listing

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST_HANDLING_INSTR), Non-hazardous waste description (NON_HAZ_WASTE_DESCRIPTION), DOT printed information (DOT_PRINTED_INFORMATION), Waste line handling instructions (WASTE_LINE_HANDLING_INSTR), Waste residue comments (WASTE_RESIDUE_COMMENTS).

Date of Government Version: 07/05/2023 Date Data Arrived at EDR: 07/05/2023 Date Made Active in Reports: 10/02/2023

Number of Days to Update: 89

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 10/03/2023

Next Scheduled EDR Contact: 01/15/2024 Data Release Frequency: Varies

PFAS ATSDR: PFAS Contamination Site Location Listing

PFAS contamination site locations from the Department of Health & Human Services, Center for Disease Control & Prevention. ATSDR is involved at a number of PFAS-related sites, either directly or through assisting state and federal partners. As of now, most sites are related to drinking water contamination connected with PFAS production facilities or fire training areas where aqueous film-forming firefighting foam (AFFF) was regularly used.

Date of Government Version: 06/24/2020 Date Data Arrived at EDR: 03/17/2021 Date Made Active in Reports: 11/08/2022

Number of Days to Update: 601

Source: Department of Health & Human Services

Telephone: 202-741-5770 Last EDR Contact: 07/19/2023

Next Scheduled EDR Contact: 11/06/2023 Data Release Frequency: Varies

PFAS WQP: Ambient Environmental Sampling for PFAS

The Water Quality Portal (WQP) is a part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations and individuals submit project details and sampling results to this public repository. The information is commonly used for research and assessments of environmental quality.

Date of Government Version: 03/30/2023 Date Data Arrived at EDR: 03/30/2023 Date Made Active in Reports: 05/02/2023

Number of Days to Update: 33

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 10/03/2023

Next Scheduled EDR Contact: 01/15/2024 Data Release Frequency: Varies

PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits. Caveats and Limitations: Less than half of states have required PFAS monitoring for at least one of their permittees and fewer states have established PFAS effluent limits for permittees. New rulemakings have been initiated that may increase the number of facilities monitoring for PFAS in the future.

Date of Government Version: 07/05/2023 Date Data Arrived at EDR: 07/05/2023 Date Made Active in Reports: 10/02/2023

Number of Days to Update: 89

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 10/03/2023

Next Scheduled EDR Contact: 01/15/2024 Data Release Frequency: Varies

PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

Date of Government Version: 07/05/2023 Date Data Arrived at EDR: 07/05/2023 Date Made Active in Reports: 09/25/2023

Number of Days to Update: 82

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 10/03/2023

Next Scheduled EDR Contact: 01/15/2024

Data Release Frequency: Varies

PFAS ECHO FIRE TRAINING: Facilities in Industries that May Be Handling PFAS Listing

A list of fire training sites was added to the Industry Sectors dataset using a keyword search on the permitted facilitys name to identify sites where fire-fighting foam may have been used in training exercises. Additionally, you may view an example spreadsheet of the subset of fire training facility data, as well as the keywords used in selecting or deselecting a facility for the subset. as well as the keywords used in selecting or deselecting a facility for the subset. These keywords were tested to maximize accuracy in selecting facilities that may use fire-fighting foam in training exercises, however, due to the lack of a required reporting field in the data systems for designating fire training sites, this methodology may not identify all fire training sites or may potentially misidentify them.

Date of Government Version: 07/05/2023
Date Data Arrived at EDR: 07/05/2023
Date Made Active in Reports: 09/25/2023

Number of Days to Update: 82

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 10/03/2023

Next Scheduled EDR Contact: 01/15/2024

Data Release Frequency: Varies

PFAS PART 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

Since July 1, 2006, all certified part 139 airports are required to have fire-fighting foam onsite that meet military specifications (MIL-F-24385) (14 CFR 139.317). To date, these military specification fire-fighting foams are fluorinated and have been historically used for training and extinguishing. The 2018 FAA Reauthorization Act has a provision stating that no later than October 2021, FAA shall not require the use of fluorinated AFFF. This provision does not prohibit the use of fluorinated AFFF at Part 139 civilian airports; it only prohibits FAA from mandating its use. The Federal Aviation Administration?s document AC 150/5210-6D - Aircraft Fire Extinguishing Agents provides guidance on Aircraft Fire Extinguishing Agents, which includes Aqueous Film Forming Foam (AFFF).

Date of Government Version: 07/05/2023 Date Data Arrived at EDR: 07/05/2023 Date Made Active in Reports: 09/25/2023

Number of Days to Update: 82

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 10/03/2023

Next Scheduled EDR Contact: 01/15/2024 Data Release Frequency: Varies

AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

Date of Government Version: 07/05/2023 Date Data Arrived at EDR: 07/06/2023 Date Made Active in Reports: 09/25/2023

Number of Days to Update: 81

Source: Environmental Protection Agency

Telephone: 202-267-2675 Last EDR Contact: 10/03/2023

Next Scheduled EDR Contact: 01/15/2024 Data Release Frequency: Varies

PCS: Permit Compliance System

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

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

Number of Days to Update: 55

Source: EPA, Office of Water Telephone: 202-564-2496 Last EDR Contact: 09/28/2023

Next Scheduled EDR Contact: 01/15/2024 Data Release Frequency: No Update Planned

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: 09/28/2023

Next Scheduled EDR Contact: 01/15/2024 Data Release Frequency: Varies

BIOSOLIDS: ICIS-NPDES Biosolids Facility Data

The data reflects compliance information about facilities in the biosolids program.

Date of Government Version: 07/16/2023 Date Data Arrived at EDR: 07/18/2023 Date Made Active in Reports: 08/28/2023

Number of Days to Update: 41

Source: Environmental Protection Agency

Telephone: 202-564-4700 Last EDR Contact: 10/03/2023

Next Scheduled EDR Contact: 10/30/2023

Data Release Frequency: Varies

PFAS: PFAS Detections
PFAS detection list

Date of Government Version: 07/05/2023 Date Data Arrived at EDR: 07/13/2023 Date Made Active in Reports: 08/09/2023

Number of Days to Update: 27

Source: Department of Natural Resources

Telephone: 517-751-9857 Last EDR Contact: 09/27/2023

Next Scheduled EDR Contact: 01/15/2024 Data Release Frequency: Varies

AIRS: Permit Facility Listing

A listing of Air Pollution Control Program permits.

Date of Government Version: 03/22/2023 Date Data Arrived at EDR: 03/22/2023 Date Made Active in Reports: 06/06/2023

Number of Days to Update: 76

Source: Department of Natural Resources

Telephone: 573-751-4817 Last EDR Contact: 07/26/2023

Next Scheduled EDR Contact: 11/13/2023 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: 06/29/2023 Date Data Arrived at EDR: 06/30/2023 Date Made Active in Reports: 09/19/2023

Number of Days to Update: 81

Source: Department of Natural Resources

Telephone: 573-751-4817 Last EDR Contact: 10/05/2023

Next Scheduled EDR Contact: 01/15/2024 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: 09/21/2023

Next Scheduled EDR Contact: 01/08/2024 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: 09/05/2023

Next Scheduled EDR Contact: 12/18/2023 Data Release Frequency: Quarterly

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information.

Date of Government Version: 06/09/2023 Date Data Arrived at EDR: 06/29/2023 Date Made Active in Reports: 09/22/2023

Number of Days to Update: 85

Source: Department of Natural Resources

Telephone: 573-751-3553 Last EDR Contact: 08/23/2023

Next Scheduled EDR Contact: 12/11/2023 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: 12/19/2022 Date Data Arrived at EDR: 02/28/2023 Date Made Active in Reports: 05/17/2023

Number of Days to Update: 78

Source: Department of Natural Resources

Telephone: 573-751-5401 Last EDR Contact: 09/01/2023

Next Scheduled EDR Contact: 12/11/2023 Data Release Frequency: Quarterly

MINES: Industrial Mineral Mines Database

This data set contains names, locations and additional data for active Industrial Mineral Mines permitted with the Missouri Department of Natural Resources, Division of Environmental Quality, Land Reclamation Program. Industrial Mineral Mines permitted are rock quarries, clay pits, sand and gravel pits, or in-stream sand and gravel operations.

Date of Government Version: 04/30/2021 Date Data Arrived at EDR: 07/14/2021 Date Made Active in Reports: 10/07/2021

Number of Days to Update: 85

Source: Department of Natural Resources

Telephone: 573-751-4041 Last EDR Contact: 07/13/2023

Next Scheduled EDR Contact: 10/23/2023

Data Release Frequency: Varies

NPDES: Permitted Facility Listing

A listing of permitted facilities from the Water Pollution Branch.

Date of Government Version: 03/28/2023 Date Data Arrived at EDR: 04/11/2023 Date Made Active in Reports: 06/26/2023

Number of Days to Update: 76

Source: Department of Natural Resources

Telephone: 573-751-7023 Last EDR Contact: 09/21/2023

Next Scheduled EDR Contact: 01/08/2024 Data Release Frequency: Quarterly

RRC: Certified Hazardous Waste Resource Recovery Facilities

Facilities that take hazardous waste material, either from on-site or off-site, and make it re-usable.

Date of Government Version: 09/30/2020 Date Data Arrived at EDR: 10/06/2020 Date Made Active in Reports: 12/28/2020

Number of Days to Update: 83

Source: Department of Natural Resources

Telephone: 573-751-3176 Last EDR Contact: 08/30/2023

Next Scheduled EDR Contact: 12/18/2023 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: 04/04/2023 Date Data Arrived at EDR: 04/25/2023 Date Made Active in Reports: 07/17/2023

Number of Days to Update: 83

Source: Department of Natural Resources

Telephone: 573-751-3043 Last EDR Contact: 07/25/2023

Next Scheduled EDR Contact: 11/06/2023

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: 09/01/2022 Date Data Arrived at EDR: 02/14/2023 Date Made Active in Reports: 04/28/2023

Number of Days to Update: 73

Source: Department of Natural Resources

Telephone: 573-368-2183 Last EDR Contact: 08/18/2023

Next Scheduled EDR Contact: 11/27/2023 Data Release Frequency: Semi-Annually

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

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

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

Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

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

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

Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

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

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

DUpdate: 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: 11/16/2022 Date Data Arrived at EDR: 11/16/2022 Date Made Active in Reports: 02/06/2023

Number of Days to Update: 82

Source: Department of Energy & Environmental Protection

Telephone: 860-424-3375 Last EDR Contact: 08/08/2023

Next Scheduled EDR Contact: 11/20/2023 Data Release Frequency: No Update Planned

NY MANIFEST: Facility and Manifest Data

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

facility.

Date of Government Version: 01/01/2019 Date Data Arrived at EDR: 10/29/2021 Date Made Active in Reports: 01/19/2022

Number of Days to Update: 82

Source: Department of Environmental Conservation

Telephone: 518-402-8651 Last EDR Contact: 07/27/2023

Next Scheduled EDR Contact: 11/06/2023 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: 10/05/2023

Next Scheduled EDR Contact: 01/22/2024 Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2020 Date Data Arrived at EDR: 11/30/2021 Date Made Active in Reports: 02/18/2022

Number of Days to Update: 80

Source: Department of Environmental Management

Telephone: 401-222-2797 Last EDR Contact: 08/10/2022

Next Scheduled EDR Contact: 11/27/2023 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: 08/30/2023

Next Scheduled EDR Contact: 12/18/2023 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.

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, 2010 and 2015 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

REACH 5 412 WATER ST FENTON, MO 63026

TARGET PROPERTY COORDINATES

Latitude (North): 38.514095 - 38° 30' 50.74" Longitude (West): 90.436016 - 90° 26' 9.66"

Universal Tranverse Mercator: Zone 15 UTM X (Meters): 723552.9 UTM Y (Meters): 4265766.5

Elevation: 415 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map: 10295933 KIRKWOOD, MO

Version Date: 2017

South Map: 10295943 MAXVILLE, MO

Version Date: 2017

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

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

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

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

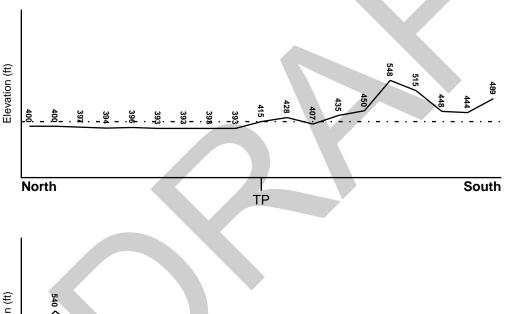
TOPOGRAPHIC INFORMATION

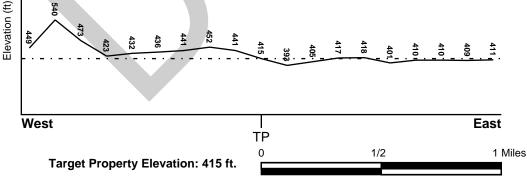
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General ENE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





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

HYDROLOGIC INFORMATION

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

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

FEMA FLOOD ZONE

Flood Plain Panel at Target Property FEMA Source Type

29099C0050E FEMA FIRM Flood data

Additional Panels in search area: FEMA Source Type

29099C0105E FEMA FIRM Flood data 29099C0110E FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property Data Coverage

KIRKWOOD 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.

LOCATION GENERAL DIRECTION

MAP ID FROM TP GROUNDWATER FLOW

Not Reported

GROUNDWATER FLOW VELOCITY INFORMATION

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

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

ROCK STRATIGRAPHIC UNIT

GEOLOGIC AGE IDENTIFICATION

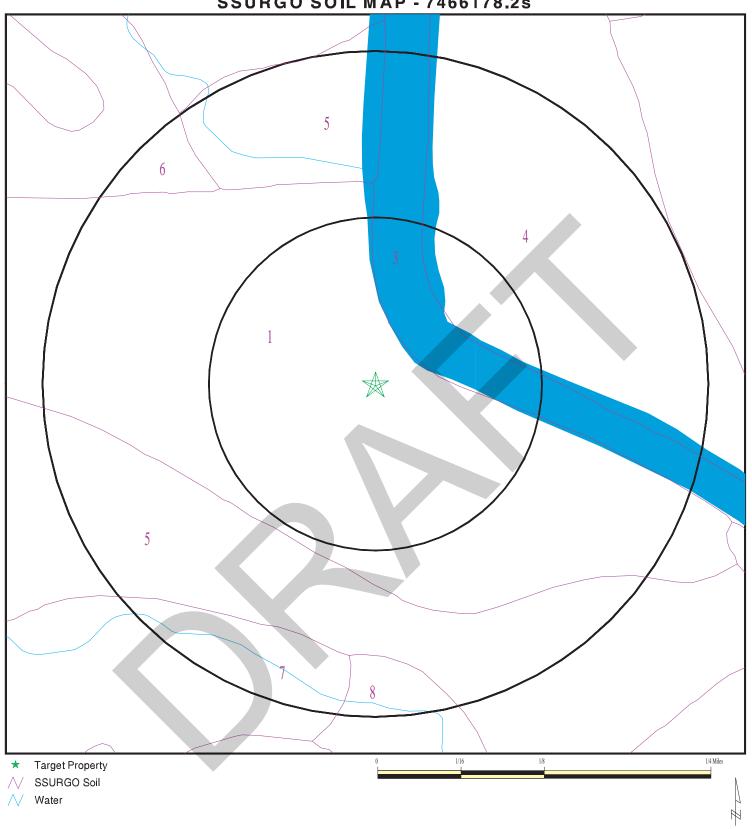
Era: Paleozoic Category: Stratified Sequence

System: Mississippian
Series: Meramecian Series

Code: M2 (decoded above as Era, System & Series)

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

SSURGO SOIL MAP - 7466178.2s



SITE NAME: Reach 5 ADDRESS: 412 Water St

Fenton MO 63026 38.514095 / 90.436016 LAT/LONG:

CLIENT: U.S. Army Corps of Engineers
CONTACT: Michael Skrabacz
INQUIRY #: 7466178.2s

October 10, 2023 4:13 pm DATE:

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

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

Soil Map ID: 1

Soil Component Name: Urban land

Soil Surface Texture:

Hydrologic Group: Not reported

Soil Drainage Class: Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 2

Soil Component Name: Freeburg

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward

movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 69 inches

Soil Layer Information									
	Bou	ndary		Classification		Saturated hydraulic			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec			
1	0 inches	14 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 6 Min: 5.1		
2	14 inches	25 inches	silty clay loam	Not reported	Not reported	Max: 14 Min: 4	Max: 6 Min: 5.1		
3	25 inches	44 inches	silty clay loam	Not reported	Not reported	Max: 14 Min: 4	Max: 6 Min: 5.1		
4	44 inches	59 inches	silty clay loam	Not reported	Not reported	Max: 14 Min: 4	Max: 6 Min: 5.1		

Soil Map ID: 3

Soil Component Name: Water

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: Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 4

Hydrologic Group:

Soil Component Name: Haymond

Soil Surface Texture: silt loam

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

textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

	Soil Layer Information								
	Bou	ndary		Classif	ication	Saturated hydraulic			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		Soil Reaction (pH)		
1	0 inches	5 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 5.6		
2	5 inches	59 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 5.6		

Soil Map ID: 5

Soil Component Name: Fishpot

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward

movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 107 inches

Soil Layer Information								
	Boui	ndary		Classif	Classification Saturated hydraulic			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		Soil Reaction (pH)	
1	0 inches	46 inches	silt loam	Not reported	Not reported	Max: 4 Min: 1.4	Max: 7.3 Min: 5.6	
2	46 inches	59 inches	silt loam	Not reported	Not reported	Max: 4 Min: 1.4	Max: 7.3 Min: 5.6	

Soil Map ID: 6

Soil Component Name: Gasconade

Soil Surface Texture: flaggy silty clay loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high

water table, or are shallow to an impervious layer.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 48 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information								
	Boundary		Boundary		Classification		Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec		
1	0 inches	9 inches	flaggy silty clay loam	Not reported	Not reported	Max: 0.11 Min: 0	Max: Min:	
2	9 inches	16 inches	very flaggy silty clay	Not reported	Not reported	Max: 0.11 Min: 0	Max: Min:	
3	16 inches	20 inches	bedrock	Not reported	Not reported	Max: 0.11 Min: 0	Max: Min:	

Soil Map ID: 7

Soil Component Name: Menfro
Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep,

moderately well and well drained soils with moderately coarse

textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

	Soil Layer Information									
	Boundary		Boundary Classification		fication	Saturated hydraulic				
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec				
1	0 inches	12 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 5.6			
2	12 inches	16 inches	silty clay loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 5.6			
3	16 inches	55 inches	silty clay loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 5.6			
4	55 inches	59 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 5.6			

Soil Map ID: 8

Soil Component Name: Crider

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep,

moderately well and well drained soils with moderately coarse

textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 6.5 Min: 4.5
2	5 inches	42 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 6.5 Min: 4.5
3	42 inches	59 inches	silty clay	Not reported	Not reported	Max: 14 Min: 4	Max: 6.5 Min: 4.5

LOCATION

LOCAL / REGIONAL WATER AGENCY RECORDS

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

WELL SEARCH DISTANCE INFORMATION

DATABASE SEARCH DISTANCE (miles)

Federal USGS 1.000

Federal FRDS PWS Nearest PWS within 0.001 miles

State Database 1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	FROM TP
1	USGS40000694044	0 - 1/8 Mile SE
2	USGS40000694058	1/8 - 1/4 Mile ENE
3	USGS40000694039	1/4 - 1/2 Mile SW
4	USGS40000694045	1/4 - 1/2 Mile West
6	USGS40000694020	1/4 - 1/2 Mile SE
A8	USGS40000694079	1/2 - 1 Mile NW
B10	USGS40000694025	1/2 - 1 Mile WSW
15	USGS40000694138	1/2 - 1 Mile North
C16	USGS40000693981	1/2 - 1 Mile SW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID WELL ID FROM TP

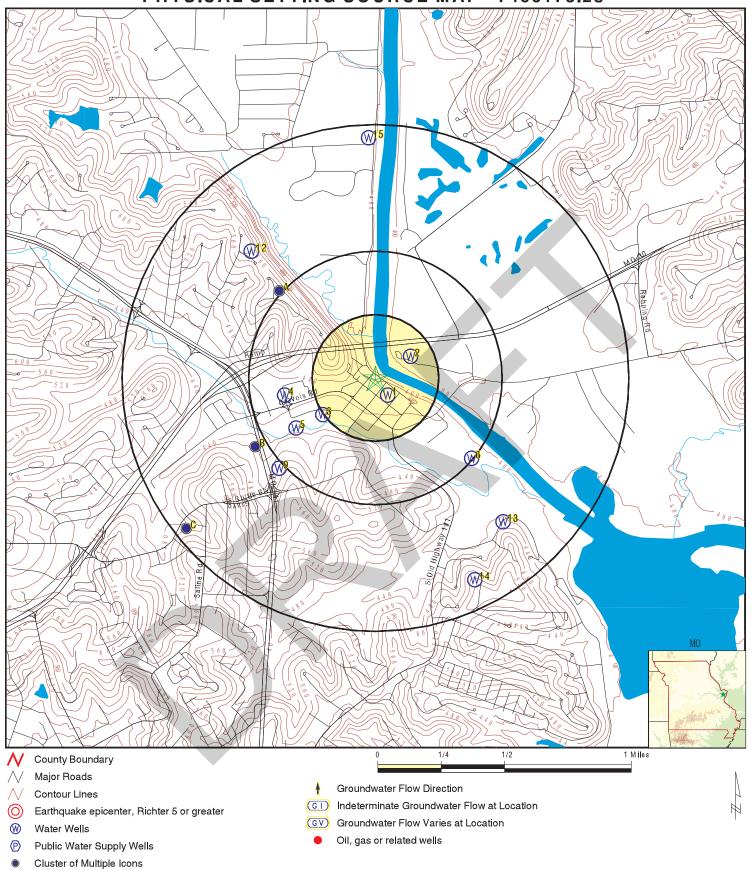
No PWS System Found

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

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
5	MOLOG3000034974	1/4 - 1/2 Mile WSW
A7	MOLOG3000035045	1/2 - 1 Mile NW
9	MOLOG3000034943	1/2 - 1 Mile SW
B11	MOLOG3000034956	1/2 - 1 Mile WSW
12	MOLOG3000035073	1/2 - 1 Mile NW
13	MOLOG3000034891	1/2 - 1 Mile SE
14	MOLOG3000034834	1/2 - 1 Mile SSE
C17	MOLOG3000034883	1/2 - 1 Mile SW
C17	MOLOG3000034883	1/2 - 1 Mile SW

PHYSICAL SETTING SOURCE MAP - 7466178.2s



SITE NAME: Reach 5
ADDRESS: 412 Water St

CLIENT: U.S. Army Corps of Engineers CONTACT: Michael Skrabacz

Fenton MO 63026 INQUIRY #: 7466178.2s DATE: October 10, 2023 4:13 pm

Map ID Direction Distance

Elevation Database EDR ID Number

SE

FED USGS USGS40000694044

0 - 1/8 Mile Higher

Lower

Lower

Organization ID: **USGS-MO** Organization Name: USGS Missouri Water Science Center

T44N R05E 35BBC1 Monitor Location: Type: Well HUC: 07140102 Description: Not Reported Not Reported Drainage Area: Not Reported Drainage Area Units: Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported

Aquifer: Ozark Plateaus aquifer system

Formation Type: Not Reported Aquifer Type: Not Reported Construction Date: 19360000 Well Depth; 200

Well Depth Units: Well Hole Depth: Not Reported ft Well Hole Depth Units: Not Reported

FED USGS USGS40000694058 1/8 - 1/4 Mile

Organization ID: **USGS-MO** Organization Name: USGS Missouri Water Science Center

T44N R05E 35BBA1 Monitor Location: Type: Well HUC: Description: Not Reported 07140102 Not Reported Drainage Area: **Drainage Area Units:** Not Reported Contrib Drainage Area: Contrib Drainage Area Unts: Not Reported Not Reported Alluvial aquifers Formation Type: Holocene Alluvium Aquifer:

Unconfined single aquifer Aquifer Type: Construction Date: 19680000

Well Depth: Well Depth Units: 54 ft

Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

Ground water levels, Number of Measurements: Level reading date: 1968-06-01 1

Not Reported Feet below surface: Feet to sea level: Note: Not Reported

3 SW **FED USGS** USGS40000694039 1/4 - 1/2 Mile

USGS-MO Organization ID: Organization Name: USGS Missouri Water Science Center

Monitor Location: T44N R05E 34ADB1 Type: Well HUC: Description: Not Reported 07140102 Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Contrib Drainage Area Unts: Not Reported Not Reported

Ozark Plateaus aquifer system Aquifer:

Aquifer Type: Formation Type: Cotter Dolomite Confined multiple aquifer Construction Date: 19340000 Well Depth: 1000

Well Depth Units: Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

Map ID Direction Distance

Elevation EDR ID Number Database

West 1/4 - 1/2 Mile **FED USGS** USGS40000694045

Higher

Organization ID: **USGS-MO** Organization Name: USGS Missouri Water Science Center

T44N R05E 34ABD1 Monitor Location: Type: Well HUC: 07140102 Description: Not Reported Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported

Aquifer: Ozark Plateaus aquifer system

Formation Type: Kimmswick Limestone Aquifer Type: Confined multiple aquifer

Construction Date: 19370000 Well Depth:

Well Depth Units: Well Hole Depth: Not Reported ft Well Hole Depth Units: Not Reported

1937-01-01 Ground water levels, Number of Measurements: 1 Level reading date: Feet to sea level: Not Reported

Feet below surface:

Note: Not Reported

WSW MO WELLS MOLOG3000034974

1/4 - 1/2 Mile Lower

WELLS LOG: Database:

Geologic Well Log Database

0002911 Weil, Joe ID: Owner: Private Well Stratigraphy Log: Well Type: Yes Driller Log: Yes Other Log: No Samples Retained: Yes Elevation (ft): 409 Total Depth (ft): Depth to Bedrock (ft): 999999 1000 SWL After Casing Set: -9999 SWL Before Casing Set: -9999 SWL After Casing Grouting (ft): -9999 SWL Before Casing Grouting (ft): -9999 Water Noted by Driller (ft): **FLOWS** Draw Down (ft): -9999

Well Yield (gpm):

(NO SAMPLES or NOT LOGGED) Surface Formation:

First Bedrock Form: MAQUOKETA SHALE Alternate ID 1: None SDWIS ID: Alternate ID 3: None -99999 WIMS ID: None Oil and Gas ID: None Other Database ID: None Mineral Bore Hole ID: None Additional Databases Linked: Not Reported Drill Date: 193408

Clark Brothers Driller: Logger: Cei / Grohskopf

Log Date: Not Reported Geological Structures: No Interval Core Top (ft): Interval Core Bottom (ft):

Remarks: Well Flows

URL: https://info.mo.gov/dnr/DNR_GIS/geology/wrc/logmain/striplogs/0002911.pdf

1/4 - 1/2 Mile

USGS Missouri Water Science Center Organization ID: **USGS-MO** Organization Name:

Monitor Location: T44N R05E 35BDC Type: Well Description: Not Reported HUC: 07140102

FED USGS

USGS40000694020

Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Aquifer: Alluvial aquifers Formation Type: Holocene Alluvium

Unconfined single aquifer Construction Date: 19680000 Aquifer Type:

Well Depth Units: Well Depth: 48

Not Reported Well Hole Depth: Not Reported Well Hole Depth Units:

Ground water levels, Number of Measurements: Level reading date: 1969-01-01 Feet to sea level: Not Reported

Feet below surface:

Note: Not Reported

NW **MO WELLS** MOLOG3000035045

1/2 - 1 Mile Higher

WELLS LOG:

Database: Geologic Well Log Database

ID: 0002422 Moder, E.C. #1 Owner: Well Type: Private Well Stratigraphy Log: No Driller Log: Other Log: Yes Nο Samples Retained: Elevation (ft): 590 Yes Total Depth (ft): 418 Depth to Bedrock (ft): 40

SWL Before Casing Set: SWL After Casing Set: 200 -9999 SWL Before Casing Grouting (ft): SWL After Casing Grouting (ft): -9999 390 Water Noted by Driller (ft): Not Reported Draw Down (ft): -9999

Well Yield (gpm): -9999

(NO SAMPLES or NOT LOGGED) Surface Formation:

First Bedrock Form: SALEM FORMATION Alternate ID 1: None SDWIS ID: -99999 Alternate ID 3: None WIMS ID: Oil and Gas ID: None None Other Database ID: None Mineral Bore Hole ID: None Additional Databases Linked: Not Reported Drill Date: 193103 Clark Bros Gleason, C.D. Driller: Logger:

Log Date: Not Reported Geological Structures: No Interval Core Top (ft): Interval Core Bottom (ft): 0

Remarks: well yield noted as between 5-7

URL: https://info.mo.gov/dnr/DNR_GIS/geology/wrc/logmain/striplogs/nolog.pdf

FED USGS USGS40000694079

1/2 - 1 Mile Higher

> Organization ID: **USGS-MO** Organization Name: USGS Missouri Water Science Center

Monitor Location: T44N R05E 27DCC1 Type: Well 07140102 Description: Not Reported HUC: Drainage Area: Not Reported Not Reported Drainage Area Units: Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported

Ozark Plateaus aquifer system Aquifer:

Formation Type: Fern Glen Limestone Aquifer Type: Confined multiple aquifer

Construction Date: 19310000 Well Depth: 418

Well Depth Units: ft Well Hole Depth: Not Reported

Well Hole Depth Units: Not Reported

Level reading date: Ground water levels, Number of Measurements: 1931-03-01 1 Feet below surface: 200 Feet to sea level: Not Reported

Note: Not Reported

SW MOLOG3000034943 **MO WELLS**

1/2 - 1 Mile Higher

WELLS LOG:

Database: Geologic Well Log Database

ID: 0004091 Owner: Fenton School Well #2

Well Type: Private Well Stratigraphy Log: Yes Driller Log: Other Log: Νo No Samples Retained: Elevation (ft): 427 Yes Total Depth (ft): 389 Depth to Bedrock (ft): 65 SWL After Casing Set: 30 SWL Before Casing Set: -9999 SWL After Casing Grouting (ft): SWL Before Casing Grouting (ft): -9999 397 Water Noted by Driller (ft): 95-100', 280' 300 Draw Down (ft):

Well Yield (apm):

Surface Formation: (NO SAMPLES or NOT LOGGED)

BURLINGTON-KEOKUK LIMESTONE UNDIFFERENTIATED First Bedrock Form:

Alternate ID 1: None Alternate ID 3: None SDWIS ID: WIMS ID: -99999 None Oil and Gas ID: None Other Database ID: None

Mineral Bore Hole ID: None Additional Databases Linked: Not Reported Drill Date: 19370127 Driller: Clark Brothers

Hundhausen / Cei Logger:

Log Date: Geological Structures: 19370218 No Interval Core Bottom (ft): Interval Core Top (ft):

Remarks: In Schoolyard

URL: https://info.mo.gov/dnr/DNR_GIS/geology/wrc/logmain/striplogs/0004091.pdf

B10 FED USGS USGS40000694025

1/2 - 1 Mile Higher

Note:

Organization ID: **USGS-MO** Organization Name: USGS Missouri Water Science Center

Monitor Location: T44N R05E 34ACC1 Type: Well 07140102 Description: Not Reported HUC: Drainage Area: Not Reported Not Reported **Drainage Area Units:** Contrib Drainage Area Unts: Contrib Drainage Area: Not Reported Not Reported

Aquifer: Ozark Plateaus aquifer system

Not Reported

Formation Type: Warsaw Formation Aquifer Type: Not Reported

Construction Date: Not Reported Well Depth: 205 Not Reported

Well Depth Units: Well Hole Depth:

Well Hole Depth Units: Not Reported

Ground water levels, Number of Measurements: 1 Level reading date: 1936-04-18

Feet below surface: Feet to sea level: Not Reported

Map ID Direction Distance

Elevation Database EDR ID Number

B11 WSW 1/2 - 1 Mile

Higher

MO WELLS MOLOG3000034956

WELLS LOG:

Database: Geologic Well Log Database

ID: 0003577 Owner: Meyer - Well #1

Well Type: Private Well Stratigraphy Log: Yes Driller Log: No Other Log: No Samples Retained: Elevation (ft): 462 Yes Depth to Bedrock (ft): Total Depth (ft): 205 35 SWL After Casing Set: 50 SWL Before Casing Set: -9999 SWL After Casing Grouting (ft): 412 SWL Before Casing Grouting (ft): -9999 Water Noted by Driller (ft): Draw Down (ft): Not Reported 205

Well Yield (gpm): 3.79999995

Surface Formation: (NO SAMPLES or NOT LOGGED)

First Bedrock Form: WARSAW FORMATION

Alternate ID 1: None Alternate ID 3: None SDWIS ID: -99999 WIMS ID: None Oil and Gas ID: None Other Database ID: None

Mineral Bore Hole ID:

Drill Date:

Logger:

None

Additional Databases Linked:

Not Reported

Clark Brothers

Log Date:

Not Reported

Clark Brothers

Not Reported

Geological Structures: No Interval Core Top (ft): 0

Interval Core Bottom (ft): 0

Remarks: Just W Of Fenton, 0.15 Mi S Of Hwy 30, 1St Drive W Of Smizer Mill Rd URL: https://info.mo.gov/dnr/DNR_GIS/geology/wrc/logmain/striplogs/0003577.pdf

NW 1/2 - 1 Mile Higher

MO WELLS MOLOG3000035073

WELLS LOG:

Database: Geologic Well Log Database

 ID:
 0002528
 Owner:
 Hessoun Orphanage

 Well Type:
 Private Well
 Stratigraphy Log:
 No

Driller Log: Yes Other Log: No Samples Retained: Yes Elevation (ft): 578 Total Depth (ft): 856 Depth to Bedrock (ft): 25 SWL After Casing Set: 146 SWL Before Casing Set: -9999 SWL After Casing Grouting (ft): SWL Before Casing Grouting (ft): -9999 432 Water Noted by Driller (ft): Not Reported Draw Down (ft): -9999

Well Yield (gpm): 6

Surface Formation: (NO SAMPLES or NOT LOGGED)

SALEM FORMATION First Bedrock Form: Alternate ID 1: None SDWIS ID: Alternate ID 3: None -99999 WIMS ID: Oil and Gas ID: None None Other Database ID: None Mineral Bore Hole ID: None Additional Databases Linked: Not Reported Drill Date: 193202 Driller: Clark Bros Logger: Gleason, C.D.

Log Date:Not ReportedGeological Structures:NoInterval Core Top (ft):0Interval Core Bottom (ft):0

Remarks: Plugged Back To 610', St. Peter Water Salty

URL: https://info.mo.gov/dnr/DNR_GIS/geology/wrc/logmain/striplogs/nolog.pdf

Map ID Direction Distance

Elevation Database EDR ID Number

13 SE 1/2 - 1 Mile Higher

MO WELLS MOLOG3000034891

WELLS LOG:

Database: Geologic Well Log Database

ID: 0003910 Owner: Ludwig, Bill Well Type: Private Well Stratigraphy Log: Yes Driller Log: No Other Log: No Samples Retained: Elevation (ft): 421 Yes Depth to Bedrock (ft): Total Depth (ft): 200 999999 SWL After Casing Set: SWL Before Casing Set: -9999 -9999 SWL After Casing Grouting (ft): -9999 SWL Before Casing Grouting (ft): -9999 Water Noted by Driller (ft): Draw Down (ft): -9999 Not Reported

Well Yield (gpm): 2.29999995

Surface Formation: (NO SAMPLES or NOT LOGGED)
First Bedrock Form: BURLINGTON LIMESTONE

 Alternate ID 1:
 None
 Alternate ID 3:
 None

 SDWIS ID:
 -99999
 WIMS ID:
 None

 Oil and Gas ID:
 None
 Other Database ID:
 None

Mineral Bore Hole ID: None Additional Databases Linked: Not Reported Drill Date: 19360717 Driller: Clark Brothers Logger: Grohskopf, J. Log Date: Not Reported

Geological Structures: No Interval Core Top (ft): 0

Interval Core Bottom (ft): 0

Remarks: In Fenton

URL: https://info.mo.gov/dnr/DNR_GIS/geology/wrc/logmain/striplogs/0003910.pdf

14 SSE 1/2 - 1 Mile Higher

MO WELLS MOLOG3000034834

WELLS LOG:

Database: Geologic Well Log Database

ID: Owner: Casserly Farm Well #1

Well Type: Private Well Stratigraphy Log: No Driller Log: Yes Other Log: No Samples Retained: Yes Elevation (ft): 527 Total Depth (ft): 865 Depth to Bedrock (ft): 25 SWL After Casing Set: -9999 SWL Before Casing Set: -9999 SWL After Casing Grouting (ft): -9999 SWL Before Casing Grouting (ft): -9999

Water Noted by Driller (ft): "WATER IS SALTY"

Draw Down (ft): -9999 Well Yield (gpm): -9999

Surface Formation: (NO SAMPLES or NOT LOGGED)

SALEM FORMATION Alternate ID 1: First Bedrock Form: None SDWIS ID: Alternate ID 3: None -99999 WIMS ID: Oil and Gas ID: None None Other Database ID: None Mineral Bore Hole ID: None Additional Databases Linked: Not Reported Drill Date: 192305 Driller: Hotze, E.B. Logger: **DRILLER** Log Date: Not Reported Geological Structures: No

Interval Core Top (ft):

Remarks:

0 Interval Core Bottom (ft):

High Ridge, 1 Mi Se Of Fenton - Most Of Log From Drillers Log

URL: https://info.mo.gov/dnr/DNR_GIS/geology/wrc/logmain/striplogs/DL03009.pdf

Map ID Direction Distance

Elevation Database EDR ID Number

15 North 1/2 - 1 Mile

FED USGS USGS40000694138

USGS40000693981

MOLOG3000034883

FED USGS

1/2 - 1 Mill

Organization ID: USGS-MO Organization Name: USGS Missouri Water Science Center

T44N R05E 27AAD1 Monitor Location: Type: Well HUC: 07140102 Description: Not Reported Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Aquifer: Alluvial aquifers Formation Type: Holocene Alluvium

Aquifer Type: Unconfined single aquifer Construction Date: 19680000 Well Depth: 52 Well Depth Units: ft

Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

Ground water levels, Number of Measurements: 1 Level reading date: 1968-06-01

Feet below surface: 16 Feet to sea level: Not Reported Note: Not Reported

C16 SW 1/2 - 1 Mile Higher

Organization ID: USGS-MO Organization Name: USGS Missouri Water Science Center

T44N R05E 34CAC1 Monitor Location: Type: Well Description: Not Reported HUC: 07140102 Drainage Area: Not Reported **Drainage Area Units:** Not Reported Contrib Drainage Area Unts: Contrib Drainage Area: Not Reported Not Reported

Aquifer: Ozark Plateaus aquifer system

Formation Type: Fern Glen Limestone Aquifer Type: Not Reported

Construction Date: 19540000 Well Depth: 265

Well Depth Units: ft Well Hole Depth: Not Reported

Well Hole Depth Units: Not Reported

Ground water levels, Number of Measurements: 1 Level reading date: 1954-11-01 Feet below surface: 40 Feet to sea level: Not Reported

Note: Not Reported

SW 1/2 - 1 Mile Higher

WELLS LOG:

Database: Geologic Well Log Database
ID: Owner:

Franken, H.J. Stratigraphy Log: Well Type: Private Well Yes Driller Log: No Other Log: No Samples Retained: Elevation (ft): 495 Yes Total Depth (ft): 265 Depth to Bedrock (ft): 20 SWL After Casing Set: 40 SWL Before Casing Set: -9999 SWL After Casing Grouting (ft): 455 SWL Before Casing Grouting (ft): -9999 Water Noted by Driller (ft): 85', 265' Draw Down (ft): -9999

Well Yield (gpm): 30

MO WELLS

Surface Formation: (NO SAMPLES or NOT LOGGED)

First Bedrock Form: WARSAW FORMATION

Alternate ID 3: Alternate ID 1: None None SDWIS ID: WIMS ID: -99999 None Oil and Gas ID: Other Database ID: None None

Mineral Bore Hole ID: Additional Databases Linked: Not Reported None Drill Date: 19541124 Driller: Weber-Fogg Logger: Martin, L.C. Log Date: 19550120

Geological Structures: Interval Core Top (ft): No 0

Interval Core Bottom (ft):

Remarks: 0.25 Mi S Of Hwy 30 On Saline Rd, W Of Fenton

URL: https://info.mo.gov/dnr/DNR_GIS/geology/wrc/logmain/striplogs/0013262.pdf



AREA RADON INFORMATION

State Database: MO Radon

Radon Test Results

Zipcode	Test Date	Result
63026	10/23/06	8.6
63026	10/23/06	9.2
63026	11/24/08	< 0.3
63026	11/25/08	4
63026	11/27/04	2.6
63026	12/02/08	6.2
63026	12/29/08	6.4
63026	02/19/07	5.4
63026	02/07/09	6.9
63026	02/09/08	1.6
63026	02/09/08	5.1
63026	02/13/09	6.3
63026	02/16/08	7.8
63026	03/24/08	1.2
63026	03/27/09	2.6
63026	03/30/09	6.1
63026	03/31/04	1.6
63026	04/05/08	2.5
63026	04/07/08	5
63026	04/17/08	1
63026	04/21/08	0.8
63026	04/27/06	5.8
63026	04/28/08	0.5
63026	02/23/09	< 0.3
63026	02/26/08	3.9
63026	02/28/09	2.2
63026	03/13/09	4.7
63026	03/21/09	1.4
63026	05/24/08	1.7
63026	05/27/08	11.4
63026	06/12/07	1.2
63026	07/07/08	4.8
63026	07/10/07	3.8
63026	07/17/06	0.8
63026	07/19/05	2.8
63026	07/25/08	1.1
63026	08/01/05	0.7
63026	08/11/08	1
63026	08/13/07	0.5
63026	08/18/08	2.2
63026	08/18/08	8.2
63026	09/02/08	1.5
63026	09/02/08	????
63026	09/05/08	1.5
63026	06/27/05	2.8
63026	06/30/08	2.1
63026		

AREA RADON INFORMATION

07/01/08 9.4 63026 05/09/06 < 0.3

Federal EPA Radon Zone for ST. LOUIS 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 Zip Code: 63026

Number of sites tested: 7

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	Not Reported	Not Reported	Not Reported	Not Reported
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	1.943 pCi/L	86%	14%	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, 2010 and 2015 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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Reach 5 412 Water St Fenton, MO 63026

Inquiry Number: 7466178.3

October 12, 2023







Certified Sanborn® Map Report

10/12/23

Site Name: Client Name:

Reach 5 U.S. Army Corps of Engineers

412 Water St Svc. Base,

Fenton, MO 63026 St. Louis, MO 63118

EDR Inquiry # 7466178.3 Contact: Michael Skrabacz



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by U.S. Army Corps of Engineers were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

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Certified Sanborn Results:

Certification # 8418-4131-9BF4

PO# NA

Project Fenton CAP 205 Reach 5

Maps Provided:

1966

1950

1938



Sanborn® Library search results

Certification #: 8418-4131-9BF4

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

✓ Library of Congress

✓ University Publications of America

▼ EDR Private Collection

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Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.



1950 Source Sheets



Volume 20, Sheet 2120 1950

1938 Source Sheets



Volume 20, Sheet 2120 1938

Reach 8 1210 Larkin Williams Rd Fenton, MO 63026

Inquiry Number: 7466178.11s

October 11, 2023









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

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A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E2247 - 16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E1528 - 22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

1210 LARKIN WILLIAMS RD FENTON, MO 63026

COORDINATES

Latitude (North): 38.5295480 - 38° 31′ 46.37″ Longitude (West): 90.4392500 - 90° 26′ 21.30″

Universal Tranverse Mercator: Zone 15 UTM X (Meters): 723223.2 UTM Y (Meters): 4267473.5

Elevation: 413 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 10295933 KIRKWOOD, MO

Version Date: 2017

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20200725, 20200713

Source: USDA

MAPPED SITES SUMMARY

Target Property Address: 1210 LARKIN WILLIAMS RD FENTON, MO 63026

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	6	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1		1210 LARKIN WILLIAMS	SPILLS			TP
A2		RIVERSIDE GOLF CLUB,	SPILLS			TP
A3	RIVERSIDE GOLF CLUB	1210 LARKIN WILLIAMS	UST			TP
B4	UNKNOWN - S&G		MINES MRDS		Lower	225, 0.043, ENE
B5			MINES		Lower	286, 0.054, ENE
6	SYLVAN BEACH OUTLYIN		FUDS		Higher	2810, 0.532, NW
7	ROWE OUTLYING FIELD		FUDS		Lower	3538, 0.670, SSE

TARGET PROPERTY SEARCH RESULTS

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

Site	Database(s)	EPA ID
1210 LARKIN WILLIAMS 1210 LARKIN WILLIAMS FENTON, MO	SPILLS Facility Id: 2105051541CMH Facility Id: 0601211200LJL Spill Number: 2105051541CMH Spill Number: 0601211200LJL	N/A
RIVERSIDE GOLF CLUB, RIVERSIDE GOLF CLUB, FENTON, MO	SPILLS Facility Id: 0212061000RDS Spill Number: 0212061000RDS	N/A
RIVERSIDE GOLF CLUB 1210 LARKIN WILLIAMS FENTON, MO 63026	UST Facility Id: ST0020753 Tank Status: Removed	N/A

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL..... National Priority List

Proposed NPL......Proposed National Priority List Sites

NPL LIENS..... Federal Superfund Liens

Lists of Federal Delisted NPL sites

Delisted NPL..... National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

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

Lists of Federal CERCLA sites with NFRAP SEMS-ARCHIVE...... Superfund Enterprise Management System Archive Lists of Federal RCRA facilities undergoing Corrective Action CORRACTS...... Corrective Action Report Lists of Federal RCRA TSD facilities RCRA-TSDF...... RCRA - Treatment, Storage and Disposal Lists of Federal RCRA generators RCRA-LQG...... RCRA - Large Quantity Generators Generators) Federal institutional controls / engineering controls registries Land Use Control Information System US ENG CONTROLS..... Engineering Controls Sites List US INST CONTROLS..... Institutional Controls Sites List Federal ERNS list ERNS..... Emergency Response Notification System Lists of state- and tribal hazardous waste facilities SHWS______Registry of Confirmed Abandoned or Uncontrolled Hazardous Waste Disposal Sites Lists of state and tribal landfills and solid waste disposal facilities SWF/LF..... Permitted Facility List Lists of state and tribal leaking storage tanks LAST....Leaking Aboveground Storage Tanks LUST_____Leaking Underground Storage Tanks
INDIAN LUST______Leaking Underground Storage Tanks on Indian Land Lists of state and tribal registered storage tanks FEMA UST...... Underground Storage Tank Listing
AST...... Aboveground Petroleum Storage Tanks INDIAN UST...... Underground Storage Tanks on Indian Land TANKS...... Underground Storage Tank Database State and tribal institutional control / engineering control registries AUL_____Sites with Controls Lists of state and tribal voluntary cleanup sites

VCP...... Voluntary Cleanup Program Site Listing

INDIAN VCP..... Voluntary Cleanup Priority Listing

Lists of state and tribal brownfield sites

BROWNFIELDS..... Brownfields Site List

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY...... Solid Waste Recycling Facilities HIST LF..... Solid Waste Facility Database List

INDIAN ODI_____ Report on the Status of Open Dumps on Indian Lands DEBRIS REGION 9...... Torres Martinez Reservation Illegal Dump Site Locations

ODI...... Open Dump Inventory IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

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

DEL SHWS______ Registry Sites Withdrawn or Deleted US CDL...... National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

SPILLS 90 SPILLS 90 data from FirstSearch

Other Ascertainable Records

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

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

EXECUTIVE SUMMARY

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

PFAS NPL..... Superfund Sites with PFAS Detections Information

PFAS FEDERAL SITES..... Federal Sites PFAS Information

PFAS TSCA...... PFAS Manufacture and Imports Information

PFAS TRIS.....List of PFAS Added to the TRI
PFAS RCRA MANIFEST.....PFAS Transfers Identified In the RCRA Database Listing

PFAS ATSDR..... PFAS Contamination Site Location Listing PFAS WQP..... Ambient Environmental Sampling for PFAS

PFAS NPDES...... Clean Water Act Discharge Monitoring Information PFAS ECHO Facilities in Industries that May Be Handling PFAS Listing

PFAS ECHO FIRE TRAINING Facilities in Industries that May Be Handling PFAS Listing PFAS PART 139 AIRPORT ... All Certified Part 139 Airports PFAS Information Listing

AQUEOUS FOAM NRC..... Aqueous Foam Related Incidents Listing

AIRS..... Permit Facility Listing ASBESTOS Asbestos Notification Listing COAL ASH Coal Ash Disposal Sites
DRYCLEANERS Drycleaners in Missouri Listing

Financial Assurance Information Listing

NPDES Permitted Facility Listing

MO RRC..... Certified Hazardous Waste Resource Recovery Facilities

SMARS..... Site Management and Reporting System UIC...... Underground Injection Wells Database

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

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

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

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

EXECUTIVE SUMMARY

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

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

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

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

FUDS: 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.

A review of the FUDS list, as provided by EDR, and dated 08/07/2023 has revealed that there are 2 FUDS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SYLVAN BEACH OUTLYIN		NW 1/2 - 1 (0.532 mi.)	6	17
Lower Elevation	Address	Direction / Distance	Map ID	Page
ROWE OUTLYING FIELD		SSE 1/2 - 1 (0.670 mi.)	7	17

MINES MRDS: Mineral Resources Data System

A review of the MINES MRDS list, as provided by EDR, and dated 08/23/2022 has revealed that there is 1 MINES MRDS site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
UNKNOWN - S&G		ENE 0 - 1/8 (0.043 mi.)	B4	14

MINES: This data set contains names, locations and additional data for active Industrial Mineral Mines permitted with the Missouri Department of Natural Resources, Division of Environmental Quality, Land Reclamation Program. Industrial Mineral Mines permitted are rock quarries, clay pits, sand and gravel pits, or in-stream sand and gravel operations.

A review of the MINES list, as provided by EDR, and dated 04/30/2021 has revealed that there is 1 MINES site within approximately 0.25 miles of the target property.

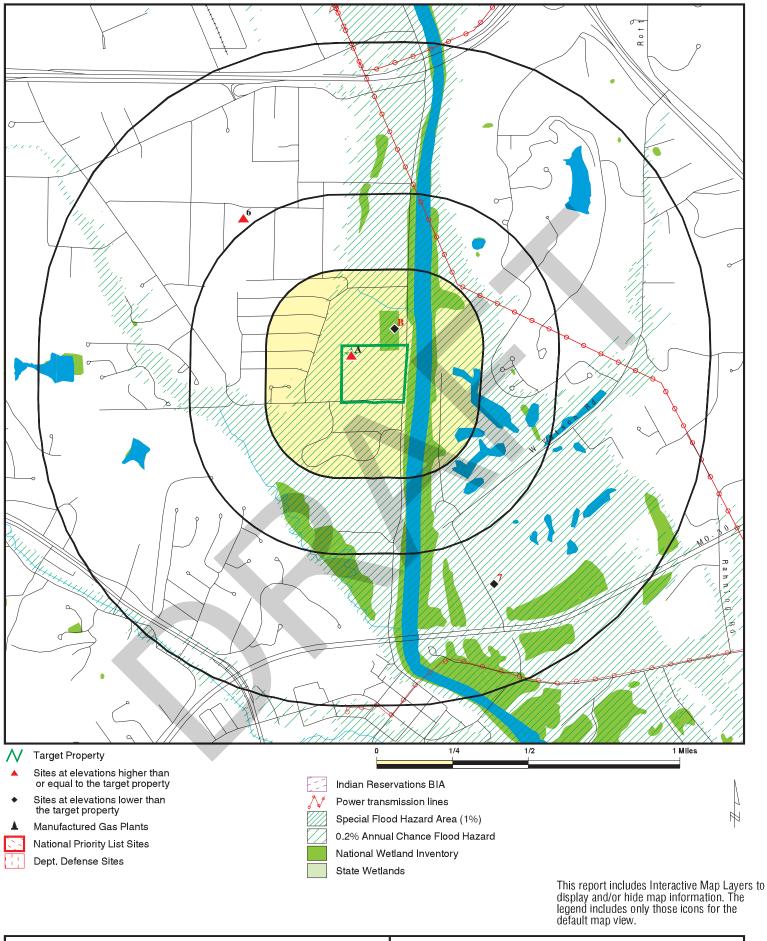
Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported		ENE 0 - 1/8 (0.054 mi.)	B5	15

EXECUTIVE SUMMARY

There were no unmapped sites in this report.



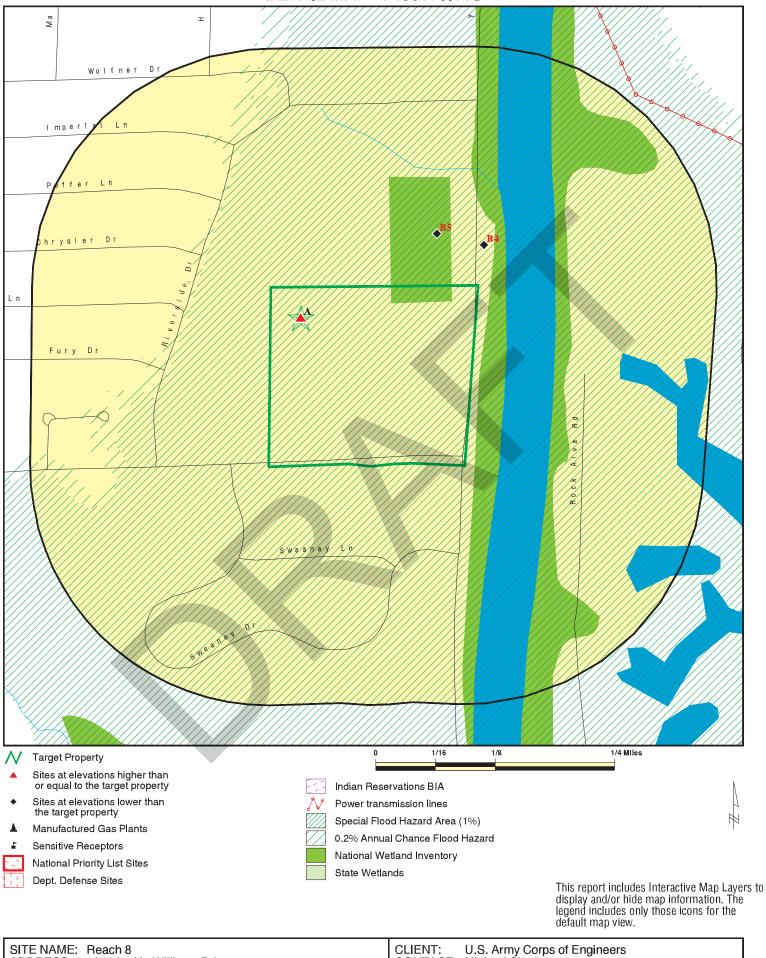
OVERVIEW MAP - 7466178.11S



SITE NAME: Reach 8
ADDRESS: 1210 Larkin Williams Rd
Fenton MO 63026
LAT/LONG: 38.529548 / 90.43925

CLIENT: U.S. Army Corps of Engineers
CONTACT: Michael Skrabacz
INQUIRY #: 7466178.11s
DATE: October 11, 2023 1:56 pm

DETAIL MAP - 7466178.11S



SITE NAME: Reach 8
ADDRESS: 1210 Larkin Williams Rd
Fenton MO 63026
LAT/LONG: 38.529548 / 90.43925

CLIENT: U.S. Army Corps of Engineers
CONTACT: Michael Skrabacz
INQUIRY #: 7466178.11s
DATE: October 11, 2023 1:57 pm

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Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	>1	Total Plotted
STANDARD ENVIRONMENT	AL RECORDS							
Lists of Federal NPL (Sup	perfund) sites	S						
NPL Proposed NPL NPL LIENS	1.000 1.000 1.000		0 0 0	0 0 0	0 0 0	0 0 0	NR NR NR	0 0 0
Lists of Federal Delisted	NPL sites							
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites sub CERCLA removals and C		rs						
FEDERAL FACILITY SEMS	0.500 0.500		0 0	0	0	NR NR	NR NR	0 0
Lists of Federal CERCLA	sites with N	FRAP						
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA facundergoing Corrective A								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TS	SD facilities							
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA ge	enerators							
RCRA-LQG RCRA-SQG RCRA-VSQG	0.250 0.250 0.250		0 0 0	0 0 0	NR NR NR	NR NR NR	NR NR NR	0 0 0
Federal institutional contengineering controls reg								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS US INST CONTROLS	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
Federal ERNS list	0.000		· ·	·	·			·
ERNS	0.001		0	NR	NR	NR	NR	0
Lists of state- and tribal hazardous waste facilitie								
SHWS	1.000		0	0	0	0	NR	0
Lists of state and tribal la and solid waste disposal								
SWF/LF	0.500		0	0	0	NR	NR	0
Lists of state and tribal le	eaking storag	e tanks						
LAST	0.500		0	0	0	NR	NR	0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	<u>> 1</u>	Total Plotted
LUST INDIAN LUST	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0
Lists of state and tribal r	egistered sto	rage tanks						
FEMA UST UST AST INDIAN UST TANKS	0.250 0.250 0.250 0.250 0.250	1	0 0 0 0	0 0 0 0	NR NR NR NR NR	NR NR NR NR NR	NR NR NR NR NR	0 1 0 0
State and tribal institutio control / engineering cor		es						
AUL	0.500		0	0	0	NR	NR	0
Lists of state and tribal v	oluntary clea	anup sites						
VCP INDIAN VCP	0.500 0.500		0	0 0	0	NR NR	NR NR	0 0
Lists of state and tribal b	rownfield sit	tes						
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMEN	TAL RECORD	<u>s</u>						
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / S Waste Disposal Sites	Colid		X					
SWRCY HIST LF INDIAN ODI DEBRIS REGION 9 ODI IHS OPEN DUMPS	0.500 0.500 0.500 0.500 0.500 0.500		0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	NR NR NR NR NR	NR NR NR NR NR	0 0 0 0 0
Local Lists of Hazardous Contaminated Sites	waste /							
US HIST CDL CDL DEL SHWS US CDL	0.001 0.001 1.000 0.001		0 0 0	NR NR 0 NR	NR NR 0 NR	NR NR 0 NR	NR NR NR NR	0 0 0 0
Local Land Records								
LIENS 2	0.001		0	NR	NR	NR	NR	0
Records of Emergency R	Release Repo	rts						
HMIRS SPILLS SPILLS 90	0.001 0.001 0.001	2	0 0 0	NR NR NR	NR NR NR	NR NR NR	NR NR NR	0 2 0
Other Ascertainable Rec	ords							
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FUDS	1.000		0	0	0	2	NR	2
DOD	1.000		Ö	ŏ	Ö	0	NR	0
SCRD DRYCLEANERS	0.500		Ö	Ö	0	NR	NR	0
US FIN ASSUR	0.001		Ö	NR	NR	NR	NR	Ö
EPA WATCH LIST	0.001		Ö	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	NR	0
RADINFO HIST FTTS	0.001 0.001		0	NR NR	NR NR	NR NR	NR NR	0 0
DOT OPS	0.001		0	NR NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000	\	Ö	Ŏ	ő	Ö	NR	ő
UMTRA	0.500		0	Ö	Ö	NR	NR	Ö
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
MINES MRDS	0.250		1	0	NR	NR	NR	1
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 FUEL C PROCEDAM	1.000		0	0	0	0	NR	0
FUELS PROGRAM PFAS NPL	0.250 0.250		0 0	0 0	NR NR	NR NR	NR NR	0 0
PFAS FEDERAL SITES	0.250		0	0	NR NR	NR	NR	0
PFAS TSCA	0.250	*	0	0	NR	NR	NR	0
PFAS TRIS	0.250		0	0	NR	NR	NR	0
PFAS RCRA MANIFEST	0.250		0	Ö	NR	NR	NR	Ő
PFAS ATSDR	0.250		Ö	Ö	NR	NR	NR	ő
PFAS WQP	0.250		Ö	Ö	NR	NR	NR	Ö
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		0	0	NR	NR	NR	0
PFAS ECHO FIRE TRAININ			0	0	NR	NR	NR	0
PFAS PART 139 AIRPORT			0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
BIOSOLIDS	0.001		0	NR	NR	NR	NR	0
PFAS	0.250		0	0	NR	NR	NR	0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted		
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		1	0	NR	NR	NR	1		
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		
EDR HIGH RISK HISTORIC	EDR HIGH RISK HISTORICAL RECORDS									
	_		_		A-2	·		_		
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		
EDR RECOVERED GOVE	RNMENT ARCHI	VES								
Exclusive Recovered 6	Sovt. Archives									
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		3	2	0	0	2	0	7		

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Direction Distance

Elevation Site Database(s) **EPA ID Number**

Α1 SPILLS S107671243 1210 LARKIN WILLIAMS ROAD **Target** N/A

FENTON, MO **Property**

Site 1 of 3 in cluster A

Actual: 413 ft.

SPILLS: Name: Not reported

1210 LARKIN WILLIAMS ROAD Address:

FENTON. MO City,State,Zip: Facility ID: 2105051541CMH Spill Number: 2105051541CMH Reported Date: 05/05/2021 Reported Time: 15:41:00 Regional Office: SLRO Latitude: 38.53593 Property Code:

Property Sub Category: Not reported Lonaitude: -90.43929 UTM Zone For GPS: 15

Cause Sub Category: Not reported Email: False Ongoing: False Is A Chemical Pickup Needed?: False Cause: 19 Contact Name: Unknown

Contact Phone #: Not reported Contact Id: 67623 Organization Name: Unknown Organization Address1: Not reported 05/05/2021 Discovery Date: Organization Address2: Not reported Discovery Time: 15:41:00 Organization City: Not reported Incident Date: Not reported Organization State: Not reported Incident Time: Not reported Organization Zip: Not reported GPS Code: ΑO

Date Of Incident Search: 05/05/2021 4268388.7433559997 UTM North: **UTM East:** 723194.29265600001 Cause Description: Unknown/Undetermined

Cause Sub Category: Not reported

Report Origin: 22

Lead Agency: DNR - St. Louis Regional Office

Additional Information: On May 5, 2021, at 1412 hours the EER Spill Line was notified by the

St. Louis Regional Office (SLRO) of a fish kill in a private pond

nearby 1210 Larkin Road, Fenton, MO. SLRO was called by Metropolitan

St. Louis Sewer District (MSD) in regards to the fish kill and an unknown milky white substance in a storm sewer. The material has no

notable odor and appears to be miscible and mixed in the water. SLRO and MSD staff were on-scene to attempt to find the source of the unknown substance. MSD collected samples of the material. The duty officer notified Missouri Department of Conservation (MDC) of the fish kill through the online reporting system. At this time the

source or content is known of the substance. MSD continues to trace the source through the sewer system and has collected samples of the

runoff.

EDR ID Number

Direction Distance

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

(Continued) S107671243

Entity Telephone: Not reported Private Residence Property Code Description: Property Sub Category: Not reported

Description: Address Matching - Other Address Matching

Job Code: Not reported

Cleanup Actions:

Spill Number: 2105051541CMH

Incident ID: 67623 Cleanup Action Code: 21 Cleanup Action Description: Referred

Report Distribution:

Spill Number: 2105051541CMH

Incident ID: 67623 Agent Code: 22

Agency: DNR - St. Louis Regional Office

2105051541CMH Spill Number:

Incident ID: 67623 Agent Code: 16

DNR - WPP - Water Pollution Branch Agency:

2105051541CMH Spill Number:

Incident ID: 67623 Agent Code: 37

MO Dept. of Conservation Agency:

Name: Not reported

1210 LARKIN WILLIAMS ROAD Address: City, State, Zip: FENTON, MO

Facility ID: 0601211200LJL Spill Number: 0601211200LJL Reported Date: 01/21/2006 Reported Time: 12:00:00 Regional Office: SLRO Latitude: 38.5308418

Property Code: 28 Property Sub Category: 11

-90.436912 Longitude:

UTM Zone For GPS: 15

Cause Sub Category: Not reported Email: True Ongoing: False Is A Chemical Pickup Needed?: False Cause: 18 Contact Name: Unknown

Contact Phone #: Not reported Contact Id: 31774 Organization Name: Unknown Organization Address1: Not reported Discovery Date: 01/21/2006 Organization Address2: Not reported Discovery Time: 12:00:00 Organization City: Not reported Incident Date: Not reported Map ID MAP FINDINGS Direction

Distance EDR ID Number
Elevation Site EDR ID Number
Database(s) EPA ID Number

(Continued) S107671243

Organization State: Not reported Incident Time: Not reported Organization Zip: Not reported

GPS Code: G1

 Date Of Incident Search:
 01/21/2006

 UTM North:
 4267829.6015100004

 UTM East:
 723417.52133000002

Cause Description: Seepage/Leachate
Cause Sub Category: Unknown/Other

Report Origin: 58

Lead Agency: Local - Fire

Additional Information: The caller reports a petroleum material is seeping from the ground

causing a sheen on the lake located at a golf course. The reported size of the lake was 50 feet by 300 feet with the sheen located on the edges. EER contacted the Chief of the Fenton County Fire District

who responded to the scene. The Fire Chief (Keith, cell

#314-581-1302) explained the material is seeping from the ground but

he did not observed any free product in the area. He further explained the area is next to an industrial park. A rain event had occurred overnight in the area. The Fire Chief placed absorbent booms on the lake to keep the discharge from the lake from entering the Meramec River. Daryll Reed, St. Louis Metropolitan Sewer District, contacted EER. Mr. Reed concurred that no further action was needed for the weekend. I informed him someone from EER would investigate the incident on Monday, January 23, 2006. January 23, 2006 at 0915 hours. EER contacted Skip Ricketts to investigate the incident and to

contact Mr. Reed.

Entity Telephone:

Property Code Description:

Property Sub Category: Description:

Job Code:

Not reported Water/Waterway/Marina

Unknown/Other

GPS - Static Mode

NJ06ERPE

Cleanup Actions:

Spill Number: 0601211200LJL

Incident ID: 31774
Cleanup Action Code: 14

Cleanup Action Description: Pending

Report Distribution:

Spill Number: 0601211200LJL

Incident ID: 31774 Agent Code: 22

Agency: DNR - St. Louis Regional Office

Spill Number: 0601211200LJL

Incident ID: 31774 Agent Code: 16

Agency: DNR - WPP - Water Pollution Branch

Direction Distance

Elevation Site Database(s) **EPA ID Number**

A2 SPILLS S106149010 N/A

RIVERSIDE GOLF CLUB, 1210 LARKIN WILLIAMS ROAD Target

Property FENTON, MO

Site 2 of 3 in cluster A

SPILLS: Actual: 413 ft.

Name: Not reported

RIVERSIDE GOLF CLUB, 1210 LARKIN WILLIAMS ROAD Address:

City,State,Zip: FENTON, MO Facility ID: 0212061000RDS Spill Number: 0212061000RDS Reported Date: 12/06/2002 Reported Time: 10:00:00 Regional Office: SLRO Latitude: 38.5300788 Property Code:

Property Sub Category: Not reported Lonaitude: -90.438972

UTM Zone For GPS: 15

Cause Sub Category: Not reported Email: False Ongoing: False Is A Chemical Pickup Needed?: False Cause: 19

Walter Wolfner Contact Name: 6363456468 Contact Phone #: Contact Id: 21194

Riverside Golf Club Organization Name: Organization Address1: 1210 Larkin Williams Road

12/06/2002 Discovery Date: Organization Address2: Not reported Discovery Time: 09:00:00 Organization City: Fenton Incident Date: Not reported Organization State: MO Incident Time: Not reported Organization Zip: 63026

GPS Code: ΑO Date Of Incident Search: 12/06/2002

4267740.2452790001 UTM North: **UTM East:** 723240.27997799998 Cause Description: Unknown/Undetermined

Cause Sub Category: Not reported

Report Origin: 60

Lead Agency: Local - Law Enforcement

Additional Information: Spill Summary: THE CALLER REPORTS THAT PETROLEUM CONTAMINATION WAS

ENCOUNTERED NEAR A GOLF COURSE. Response Summary: THE EER REFERRED

THIS INCIDENT TO THE ST. LOUIS REGIONAL OFFICE AS A CITIZEN'S

COMPLAINT. Additional Information: A CONSTRUCTION CREW WAS INSTALLING A CULVERT IN A DITCH NEAR THE GOLF CLUB WHEN A BLACK, PETROLEUM-LIKE LIQUID WAS ENCOUNTERED. THE CREW TRACED THE SUBSTANCE TO THE GOLF CLUB. THE FENTON FIRE CHIEF RESPONDED AND SUGGESTED THAT MONR BE

NOTIFIED.

Entity Telephone: 6363456468 Property Code Description: Road/Highway/ROW

Property Sub Category: Not reported

Description: Address Matching - Other Address Matching **EDR ID Number**

Direction Distance

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

(Continued) S106149010

Job Code: Not reported

Cleanup Actions:

Spill Number: 0212061000RDS

Incident ID: 21194 Cleanup Action Code: Cleanup Action Description: Pending

Report Distribution:

Spill Number: 0212061000RDS

Incident ID: 21194 Agent Code: 16

DNR - WPP - Water Pollution Branch Agency:

Spill Number: 0212061000RDS

Incident ID: 21194 Agent Code:

Agency: DNR - Environmental Remediation Program

0212061000RDS Spill Number:

Incident ID: 21194 Agent Code: 22

Agency: DNR - St. Louis Regional Office

U003749864 **A3 RIVERSIDE GOLF CLUB** UST N/A

Target 1210 LARKIN WILLIAMS FENTON, MO 63026 **Property**

Site 3 of 3 in cluster A

UST: Actual:

413 ft. ST0020753 Facility ID: Region: SL

Easting: 723364.528 Northing: 4267460.11

Owner Of Geospatial Data: Hazardous Waste Program

RANGEN, K Geospatial Data Collected By: Date GIS Data Collected: 01/04/2022 Lat/Long: Not reported Lat/Long (dms): Not reported

Tanks:

Owner:

Owner ID: OW20046

Owner Name: J WALTER WOLFNER JR Owner Address: 1210 LARKIN WILLIAMS Owner City,St,Zip: FENTON, MO 63026

Owner County Code: Not reported Owner Phone: 3436333 Mail Was Not Deliverable: No Is Owner Active?: No

Date Registration Received: 2000-06-22 00:00:00 Date Record Added: 2000-06-29 00:00:00 Date Record Edited: 2000-06-29 00:00:00

Name of Person Editing Record: WAMSER, L

Direction Distance Elevation

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

RIVERSIDE GOLF CLUB (Continued)

U003749864

EDR ID Number

Tank ID: 1 Tank Double Wall: 0

Tank Type: Below Ground Tank Status: Removed Meet 98 Update Requirements: Not reported Date Tank Installed: 01/01/1964 Tank Material: Steel Code for Tank Material Manufacturer: Not reported Code for Tank Installer: Not reported Other Type Of Tank Material: Not reported Tank Internal Protection: Not reported Not reported Other Tank Internal Protection:

Tank Internal Protection Date: Not reported Tank External Protection: Not reported Other Type Tank Extrn Protec: Not reported Tank External Protec Date: Not reported Date Tank Last Used: Not reported Date Tank Permanently Closed/ Removed: 02/26/2001

Dt Tk Exp Brought InUse/Internal Tracking: Not reported

Tank Fees Waived: No Expedite Closure On Tank?: No

Responsible Person Expediting Closure: Not reported Temporary Status Verified Date: Not reported Admin Fee 585: Not reported Not reported Date Administratively Closed: Date Record Added: 06/29/2000 Date Record Edited: 08/21/2001 Person Adding/Editing Record: EVERS, L Date Of NFA Letter: 11/06/2001 Is Tank Used For Emergency Generator: No

Date Closure Notice Received: 06/22/2000 Date Of Aprroval Letter: 07/06/2000 Firm Closing Tank: Superior Equipment

Date Closure Report Received: 07/16/2001 Registration End Date: Not reported LockOut Flag:

Comments: 8/21/2001 2 items needing response within 30 days. JS 11/6/01 2 items

satisfactory. NFA. KE

Tank Compartment:

Tanks Use: False Compartment No: Tank Compartment PK: 37883 Tank PK: 37886 Case Number: Not reported Compartment Status: Removed Compartment Temp Verified Dt: Not reported Capacity: Not reported

Gasoline, Including Blends Substance:

Not reported Substance Other: Hazardous Substance: Not reported False Mixture: Date of Last Use: Not reported Pipe Installation Date: Not reported

Pipe System: 0 Pipe Material:

Pipe Material Other: Not reported Pipe Protection: Not reported

Direction Distance

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

RIVERSIDE GOLF CLUB (Continued)

U003749864

Pipe Protection Date: Not reported

Pipe Double Wall: 0 Spill Protection: False

Tank Aug 2011:

Facility Id: ST0020753 Tank ld:

Site Usage: Not reported Risk Type: Not reported Soil Type: Not reported GW Flow: Not reported Offsite Impact: Not reported Free Product: Not reported Not reported Drinking Water: Closed Under: Not reported

No Drinking Wells: No No Buildings: No Vapor Barrier: 0 St Louis Mo: No Special Well Area: Nο Surface Cap: No No Excavation: No

В4 **UNKNOWN - S&G** MINES MRDS 1025675970 **ENE** N/A

< 1/8 ST. LOUIS (County), MO

0.043 mi.

225 ft. Site 1 of 2 in cluster B

Relative: MINES MRDS: UNKNOWN - S&G Lower Name: Not reported Address: Actual:

Deposit identification Number: 10196849 402 ft. City,State,Zip: MISSOURI

> URL: https://mrdata.usgs.gov/mrds/show-mrds.php?dep_id=10196849

MRDS Identification Number: Not reported MAS/MILS Identification Number: 0291890142 Region: NA

Country: **United States**

Primary Commodities: Sand and Gravel, Construction

Secondary Commodities: Not reported **Tertiary Commodities:** Not reported Surface Operation Type: Deposit Type: Not reported Production Size: Not reported **Development Status:** Past Producer Ore Minerals or Materials: Not reported Not reported Ganque Minerals or Materials: Other Minerals or Materials: Not reported Ore Body Form: Not reported Workings Type: Not reported Mineral Deposit Model: Not reported Alteration Processes: Not reported Concentration Processes: Not reported Previous Names: Not reported Ore Controls: Not reported

Direction Distance

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

UNKNOWN - S&G (Continued)

1025675970

Reporter: Missouri Department Of Natural Resources -- Mcfrld

Host Rock Unit Name: Not reported Not reported Host Rock Type: Associated Rock Unit Name: Not reported Associated Rock Type Code: Not reported Structural Characteristics: Not reported Not reported Tectonic Setting: References: Not reported First Production Year: Not reported Began Before/After FPY: Not reported Last Production Year: Not reported Ended Before/After LPY: Not reported Year Discovered: Not reported Found Before/After YD: Not reported Production History: Not reported Discovery Information: Not reported 38.53065 Latitude: -90.43571 Longitude:

B5 S122473996 MINES **ENE** N/A

1890142

< 1/8 ST. LOUIS, MO

0.054 mi. 286 ft.

Site 2 of 2 in cluster B

MINES: Relative: Lower Site ID:

Name: Not reported Actual: Not reported Address: 406 ft. City,State,Zip: ST. LOUIS, MO

Elevation Meters: Not reported Elevation Feet: 405 Quadrangle: Kirkwood FIPS Code: 189 Township: 44N Range: 5E Section: 22

E2SESESESE Quarter:

Projected: 00136 Land Grant: Type of Operation: Surface Surface:

Underground: Not reported Smelter: Not reported Mine Tailings: Not reported Mine Waste Rock: Not reported Processing Plant: Not reported Past Producer Status: Mine Safety and Health Administration: Not reported Commodities: Sand & Gravel Property Owner: Not reported Operator: Not reported

Acres: 1.5

Depth: Not reported Reference Table: Not reported

Aerial Photos: У Mine Extends Into Different Section:

Formations: Not reported Map ID MAP FINDINGS

Distance Elevation

on Site Database(s) EPA ID Number

(Continued) S122473996

Operation Opened: Not reported Operation Closed: Not reported Operation Reopened: Not reported Operation Reclosed: Not reported Tonnage of Ore: Not reported Source Info: Not reported Not reported Timeframe: Areal Data: Not reported Not reported Comments: Shaft Name: Not reported Not reported Different: Not reported Dimensions: MILS Compilation: on Meramec River Not reported Location: **UTM Coordinates:** legal description UTM Easting NAD27: 723459 UTM Northing NAD27: 4267616 UTM Easting NAD83: 723443 UTM Northing NAD83: 4267828 Permit No: Not reported Permitee Name: Not reported Operator or Corporate Headquarters Addressot reported Operator or Corporate Headquarters Address2t reported Operator or Corporate Headquarters City: Not reported Operator or Corporate Headquarters State: Not reported Operator or Corporate Headquarters Zip: Not reported Permit Type: Not reported Stream Name: Not reported Outstanding National Resource Watershed (ONR) Orted Outstanding State Resource Watershed (OSRWeported FID: Not reported GIS Loc ID: Not reported FEAT Type: Not reported Org Name: Not reported Org Phone: Not reported Org Address: Not reported Org Address2: Not reported Org City: Not reported Org Stat: Not reported Org Zip: Not reported Contact: Not reported Not reported Contact Phone: Contact Email: Not reported Old Permit No: Not reported Site Type: Not reported Expire: Not reported Inspection: Not reported Oper End: Not reported Outstanding Resource Watershed (ORW): Not reported Not reported Desc Date: point type: Not reported horizontal accuracy: Not reported Estimate Position Error (EPE): Not reported Positional Dilution of Precision (PDOP): Not reported horizontal collect code: Not reported REFPT Code: Not reported

Not reported

Source Scale:

EDR ID Number

Direction Distance

Elevation Site Database(s) **EPA ID Number**

(Continued) S122473996

Source Code: Not reported Not reported Date Collect: Created By: Not reported Date Create: Not reported Updated By: Not reported Date Update: Not reported Object ID: Not reported Latitude: Not reported Longitude: Not reported

SYLVAN BEACH OUTLYING FIELD **FUDS** 1024898676 6 N/A

NW

FENTON, MO 1/2-1

0.532 mi. 2810 ft.

Relative: FUDS:

Higher EPA Region:

Installation ID: MO79799F942800 Actual:

Congressional District Number: 433 ft.

SYLVAN BEACH OUTLYING FIELD Name:

FUDS Number: B07MO1013 **FENTON** City: MO State: ST LOUIS County: Object ID: 3396 **USACE** Division: NWD

Kansas City District (NWK) **USACE** District: Properties without projects Status: Current Owner: PRIV: PRIVATE Industrial Park

EMS Map Link: https://fudsportal.usace.army.mil/ems/inventory/map?id=64317

Eligibility: Ineligible Has Projects: No NPL Status: Not reported

Project Required:

Sylvan Beach Outlying Field was utilized by naval air cadets stationed Feature Description:

at St. Louis Naval Air Station to support primary flight training

operations during World War II. The property is used as an industrial

park.

38.53611111 Latitude: Longitude: -90.44583333

ROWE OUTLYING FIELD FUDS 1024898675 7 N/A

SSE

SUNSET HILLS, MO 1/2-1

0.670 mi. 3538 ft.

Relative: FUDS:

Lower EPA Region: 07

Installation ID: MO79799F942700 Actual:

Congressional District Number: 409 ft.

ROWE OUTLYING FIELD Name:

FUDS Number: B07MO1012 City: SUNSET HILLS

MO State:

EDR ID Number

Map ID MAP FINDINGS Direction

Distance

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

ROWE OUTLYING FIELD (Continued)

1024898675

ST LOUIS County: Object ID: 4496 USACE Division: NWD

USACE District: Kansas City District (NWK) Properties without projects Status: **Current Owner:** PRIV: PRIVATE Public Golf Course

https://fudsportal.usace.army.mil/ems/inventory/map?id=64316 EMS Map Link:

Eligibility: Ineligible Has Projects: No

NPL Status: Not reported

Project Required: No

Feature Description: Rowe Outlying Field was utilized by naval air cadets stationed at St.

Louis Naval Air Station to support primary flight training operations

during World War II. The property is used as a golf course.

38.51861111 Latitude: -90.43055556 Longitude:

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

NO SITES FOUND

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

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

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

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

Date of Government Version: 06/22/2023 Source: EPA
Date Data Arrived at EDR: 07/06/2023 Telephone: N/A

Number of Days to Update: 18 Next Scheduled EDR Contact: 01/08/2024
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1 EPA Region 6

Telephone 617-918-1143 Telephone: 214-655-6659

EPA Region 3 EPA Region 7

Telephone 215-814-5418 Telephone: 913-551-7247

EPA Region 4 EPA Region 8

Telephone 404-562-8033 Telephone: 303-312-6774

EPA Region 5 EPA Region 9

Telephone 312-886-6686 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: 06/22/2023 Source: EPA
Date Data Arrived at EDR: 07/06/2023 Telephone: N/A

Number of Days to Update: 18 Next Scheduled EDR Contact: 01/08/2024
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

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

Date of Government Version: 10/15/1991 Date Data Arrived at EDR: 02/02/1994 Date Made Active in Reports: 03/30/1994

Number of Days to Update: 56

Source: EPA

Telephone: 202-564-4267 Last EDR Contact: 08/15/2011

Next Scheduled EDR Contact: 11/28/2011 Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

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

Source: EPA

Date of Government Version: 06/22/2023 Date Data Arrived at EDR: 07/06/2023 Date Made Active in Reports: 07/24/2023

Number of Days to Update: 18

Telephone: N/A

Last EDR Contact: 10/03/2023

Next Scheduled EDR Contact: 01/08/2024 Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

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

Date of Government Version: 06/23/2023 Date Data Arrived at EDR: 06/23/2023 Date Made Active in Reports: 09/20/2023

Number of Days to Update: 89

Source: Environmental Protection Agency

Telephone: 703-603-8704 Last EDR Contact: 09/26/2023

Next Scheduled EDR Contact: 01/08/2024 Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

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

Date of Government Version: 06/22/2023 Date Data Arrived at EDR: 07/06/2023 Date Made Active in Reports: 07/24/2023

Number of Days to Update: 18

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 10/03/2023

Next Scheduled EDR Contact: 01/22/2024 Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

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

Date of Government Version: 06/22/2023 Date Data Arrived at EDR: 07/06/2023 Date Made Active in Reports: 07/24/2023

Number of Days to Update: 18

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 10/03/2023

Next Scheduled EDR Contact: 01/22/2024 Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 07/24/2023 Date Data Arrived at EDR: 07/31/2023 Date Made Active in Reports: 08/14/2023

Number of Days to Update: 14

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 09/20/2023

Next Scheduled EDR Contact: 01/01/2024 Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

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

Date of Government Version: 07/24/2023 Date Data Arrived at EDR: 07/31/2023 Date Made Active in Reports: 08/14/2023

Number of Days to Update: 14

Source: Environmental Protection Agency

Telephone: 913-551-7003 Last EDR Contact: 09/20/2023

Next Scheduled EDR Contact: 01/01/2024 Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 07/24/2023 Date Data Arrived at EDR: 07/31/2023 Date Made Active in Reports: 08/14/2023

Number of Days to Update: 14

Source: Environmental Protection Agency Telephone: 913-551-7003

Last EDR Contact: 09/20/2023

Next Scheduled EDR Contact: 01/01/2024 Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 07/24/2023 Date Data Arrived at EDR: 07/31/2023 Date Made Active in Reports: 08/14/2023

Number of Days to Update: 14

Source: Environmental Protection Agency

Telephone: 913-551-7003 Last EDR Contact: 09/20/2023

Next Scheduled EDR Contact: 01/01/2024 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: 07/24/2023 Date Data Arrived at EDR: 07/31/2023 Date Made Active in Reports: 08/14/2023

Number of Days to Update: 14

Source: Environmental Protection Agency

Telephone: 913-551-7003 Last EDR Contact: 09/20/2023

Next Scheduled EDR Contact: 01/01/2024 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: 08/03/2023 Date Data Arrived at EDR: 08/07/2023 Date Made Active in Reports: 10/10/2023

Number of Days to Update: 64

Source: Department of the Navy Telephone: 843-820-7326 Last EDR Contact: 08/02/2023

Next Scheduled EDR Contact: 11/20/2023 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: 05/22/2023 Date Data Arrived at EDR: 05/23/2023 Date Made Active in Reports: 07/24/2023

Number of Days to Update: 62

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 08/21/2023

Next Scheduled EDR Contact: 12/04/2023 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: 05/22/2023 Date Data Arrived at EDR: 05/23/2023 Date Made Active in Reports: 07/24/2023

Number of Days to Update: 62

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 08/21/2023

Next Scheduled EDR Contact: 12/04/2023

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: 06/12/2023 Date Data Arrived at EDR: 06/20/2023 Date Made Active in Reports: 08/14/2023

Number of Days to Update: 55

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180 Last EDR Contact: 09/20/2023

Next Scheduled EDR Contact: 01/01/2024 Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

HWS DETAIL: Registry Annual Report

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

Date of Government Version: 06/30/2022 Date Data Arrived at EDR: 03/01/2023 Date Made Active in Reports: 05/19/2023

Number of Days to Update: 79

Source: Department of Natural Resources

Telephone: 573-751-3176 Last EDR Contact: 08/24/2023

Next Scheduled EDR Contact: 12/04/2023 Data Release Frequency: Annually

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: 09/12/2022 Date Data Arrived at EDR: 09/21/2022 Date Made Active in Reports: 12/08/2022

Number of Days to Update: 78

Source: Department of Natural Resources

Telephone: 573-751-1990 Last EDR Contact: 08/30/2023

Next Scheduled EDR Contact: 12/18/2023 Data Release Frequency: Annually

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF: Solid Waste Facility List

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

Date of Government Version: 05/22/2023 Date Data Arrived at EDR: 05/24/2023 Date Made Active in Reports: 08/16/2023

Number of Days to Update: 84

Source: Department of Natural Resources

Telephone: 573-751-5401 Last EDR Contact: 08/22/2023

Next Scheduled EDR Contact: 12/04/2023 Data Release Frequency: Varies

Lists of state and tribal leaking storage tanks

LUST: Leaking Underground Storage Tanks

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

Date of Government Version: 05/31/2023 Date Data Arrived at EDR: 06/05/2023 Date Made Active in Reports: 08/24/2023

Number of Days to Update: 80

Source: Department of Natural Resources

Telephone: 573-751-0135 Last EDR Contact: 09/06/2023

Next Scheduled EDR Contact: 12/18/2023 Data Release Frequency: Quarterly

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

Date of Government Version: 05/31/2023 Date Data Arrived at EDR: 06/05/2023 Date Made Active in Reports: 08/24/2023

Number of Days to Update: 80

Source: Department of Natural Resources

Telephone: 573-751-6822 Last EDR Contact: 09/06/2023

Next Scheduled EDR Contact: 12/18/2023 Data Release Frequency: Quarterly

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

Date of Government Version: 04/20/2023 Date Data Arrived at EDR: 05/09/2023 Date Made Active in Reports: 07/14/2023

Number of Days to Update: 66

Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 05/09/2023

Next Scheduled EDR Contact: 10/30/2023 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: 04/19/2023 Date Data Arrived at EDR: 05/09/2023 Date Made Active in Reports: 07/14/2023

Number of Days to Update: 66

Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 07/17/2023

Next Scheduled EDR Contact: 10/30/2023

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: 04/14/2023 Date Data Arrived at EDR: 05/09/2023 Date Made Active in Reports: 07/14/2023

Number of Days to Update: 66

Source: EPA, Region 5 Telephone: 312-886-7439 Last EDR Contact: 07/17/2023

Next Scheduled EDR Contact: 10/30/2023 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: 04/26/2023 Date Data Arrived at EDR: 05/09/2023 Date Made Active in Reports: 07/14/2023

Number of Days to Update: 66

Source: EPA Region 6 Telephone: 214-665-6597 Last EDR Contact: 07/17/2023

Next Scheduled EDR Contact: 10/30/2023 Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/20/2023 Date Data Arrived at EDR: 05/09/2023 Date Made Active in Reports: 07/14/2023

Number of Days to Update: 66

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 07/17/2023

Next Scheduled EDR Contact: 10/30/2023 Data Release Frequency: Varies

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

Date of Government Version: 04/25/2023 Date Data Arrived at EDR: 05/09/2023 Date Made Active in Reports: 07/14/2023

Number of Days to Update: 66

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 07/17/2023

Next Scheduled EDR Contact: 10/30/2023

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: 04/20/2023 Date Data Arrived at EDR: 05/09/2023 Date Made Active in Reports: 07/14/2023

Number of Days to Update: 66

Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 07/17/2023

Next Scheduled EDR Contact: 10/30/2023 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: 04/19/2023 Date Data Arrived at EDR: 05/09/2023 Date Made Active in Reports: 07/14/2023

Number of Days to Update: 66

Source: Environmental Protection Agency

Telephone: 415-972-3372 Last EDR Contact: 07/17/2023

Next Scheduled EDR Contact: 10/30/2023 Data Release Frequency: Varies

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 03/08/2023 Date Data Arrived at EDR: 03/09/2023 Date Made Active in Reports: 05/30/2023

Number of Days to Update: 82

Source: FEMA

Telephone: 202-646-5797 Last EDR Contact: 10/10/2023

Next Scheduled EDR Contact: 01/15/2024

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: 05/31/2023 Date Data Arrived at EDR: 06/05/2023 Date Made Active in Reports: 08/24/2023

Number of Days to Update: 80

Source: Department of Natural Resources

Telephone: 573-751-0135 Last EDR Contact: 09/06/2023

Next Scheduled EDR Contact: 12/18/2023 Data Release Frequency: Quarterly

AST: Aboveground Petroleum Storage Tanks Registered Aboveground Storage Tanks.

Date of Government Version: 05/26/2023 Date Data Arrived at EDR: 05/30/2023 Date Made Active in Reports: 07/26/2023

Number of Days to Update: 57

Source: Department of Agriculture Telephone: 573-751-7062 Last EDR Contact: 08/23/2023

Next Scheduled EDR Contact: 12/11/2023 Data Release Frequency: Semi-Annually

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: 04/20/2023 Date Data Arrived at EDR: 05/09/2023 Date Made Active in Reports: 07/14/2023

Number of Days to Update: 66

Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 07/17/2023

Next Scheduled EDR Contact: 10/30/2023

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: 04/19/2023 Date Data Arrived at EDR: 05/09/2023 Date Made Active in Reports: 07/14/2023

Number of Days to Update: 66

Source: EPA Region 9 Telephone: 415-972-3368 Last EDR Contact: 07/17/2023

Next Scheduled EDR Contact: 10/30/2023 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: 04/20/2023 Date Data Arrived at EDR: 05/09/2023 Date Made Active in Reports: 07/14/2023

Number of Days to Update: 66

Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 07/17/2023

Next Scheduled EDR Contact: 10/30/2023

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: 04/20/2023 Date Data Arrived at EDR: 05/09/2023 Date Made Active in Reports: 07/14/2023

Number of Days to Update: 66

Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 07/17/2023

Next Scheduled EDR Contact: 10/30/2023 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: 04/14/2023 Date Data Arrived at EDR: 05/09/2023 Date Made Active in Reports: 07/14/2023

Number of Days to Update: 66

Source: EPA Region 5 Telephone: 312-886-6136 Last EDR Contact: 07/17/2023

Next Scheduled EDR Contact: 10/30/2023

Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/26/2023 Date Data Arrived at EDR: 05/09/2023 Date Made Active in Reports: 07/14/2023

Number of Days to Update: 66

Source: EPA Region 6 Telephone: 214-665-7591 Last EDR Contact: 07/17/2023

Next Scheduled EDR Contact: 10/30/2023 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: 04/20/2023 Date Data Arrived at EDR: 05/09/2023 Date Made Active in Reports: 07/14/2023

Number of Days to Update: 66

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 07/17/2023

Next Scheduled EDR Contact: 10/30/2023

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: 04/25/2023 Date Data Arrived at EDR: 05/09/2023 Date Made Active in Reports: 07/14/2023

Number of Days to Update: 66

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 07/17/2023

Next Scheduled EDR Contact: 10/30/2023 Data Release Frequency: Varies

TANKS: Underground Storage Tank Database

Storage tank sites

Date of Government Version: 05/31/2023 Date Data Arrived at EDR: 06/05/2023 Date Made Active in Reports: 08/24/2023

Number of Days to Update: 80

Source: Department of Natural Resources

Telephone: 573-526-2058 Last EDR Contact: 09/06/2023

Next Scheduled EDR Contact: 12/18/2023 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: 05/04/2023 Date Data Arrived at EDR: 05/09/2023 Date Made Active in Reports: 08/03/2023

Number of Days to Update: 86

Source: Department of Natural Resources

Telephone: 573-751-3176 Last EDR Contact: 08/08/2023

Next Scheduled EDR Contact: 11/20/2023 Data Release Frequency: Quarterly

Lists of state and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

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

Date of Government Version: 07/27/2015 Date Data Arrived at EDR: 09/29/2015 Date Made Active in Reports: 02/18/2016

Number of Days to Update: 142

Source: EPA, Region 1 Telephone: 617-918-1102 Last EDR Contact: 09/12/2023

Next Scheduled EDR Contact: 01/01/2024 Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

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

Date of Government Version: 03/20/2008 Date Data Arrived at EDR: 04/22/2008 Date Made Active in Reports: 05/19/2008

Number of Days to Update: 27

Source: EPA, Region 7 Telephone: 913-551-7365 Last EDR Contact: 07/08/2021

Next Scheduled EDR Contact: 07/20/2009 Data Release Frequency: Varies

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

Date of Government Version: 05/04/2023 Date Data Arrived at EDR: 05/09/2023 Date Made Active in Reports: 08/03/2023

Number of Days to Update: 86

Source: Department of Natural Resources Telephone: 573-526-8913

Last EDR Contact: 08/08/2023

Next Scheduled EDR Contact: 11/20/2023 Data Release Frequency: Quarterly

Lists of state and tribal brownfield sites

BROWNFIELDS: Brownfields Site List

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

Date of Government Version: 05/04/2023 Date Data Arrived at EDR: 05/09/2023 Date Made Active in Reports: 08/03/2023

Number of Days to Update: 86

Source: Department of Natural Resources

Telephone: 573-526-8913 Last EDR Contact: 08/08/2023

Next Scheduled EDR Contact: 11/20/2023 Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

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

Date of Government Version: 04/06/2023 Date Data Arrived at EDR: 04/13/2023 Date Made Active in Reports: 04/19/2023

Number of Days to Update: 6

Source: Environmental Protection Agency

Telephone: 202-566-2777 Last EDR Contact: 08/30/2023

Next Scheduled EDR Contact: 12/25/2023 Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

HIST LF: Solid Waste Facility Database List

This database contains detailed information per site. It is no longer maintained by the Department of Natural Resources. For current information on solid waste facilities/landfills see the SWF/LF database.

Date of Government Version: 04/12/2005 Date Data Arrived at EDR: 07/19/2006 Date Made Active in Reports: 08/18/2006

Number of Days to Update: 30

Source: Department of Natural Resources

Telephone: 573-751-5401 Last EDR Contact: 01/12/2009

Next Scheduled EDR Contact: 04/13/2009 Data Release Frequency: No Update Planned

SWRCY: Solid Waste Recycling Facilities A listing of recycling center locations.

> Date of Government Version: 06/07/2023 Date Data Arrived at EDR: 06/08/2023 Date Made Active in Reports: 08/30/2023

Number of Days to Update: 83

Source: Department of Natural Resources

Telephone: 573-526-3944 Last EDR Contact: 08/16/2023

Next Scheduled EDR Contact: 12/04/2023 Data Release Frequency: Varies

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

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998 Date Data Arrived at EDR: 12/03/2007 Date Made Active in Reports: 01/24/2008

Number of Days to Update: 52

Source: Environmental Protection Agency

Telephone: 703-308-8245 Last EDR Contact: 07/19/2023

Next Scheduled EDR Contact: 11/06/2023

ODI: Open Dump Inventory

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

Subtitle D Criteria.

Date of Government Version: 06/30/1985 Date Data Arrived at EDR: 08/09/2004 Date Made Active in Reports: 09/17/2004

Number of Days to Update: 39

Source: Environmental Protection Agency

Telephone: 800-424-9346 Last EDR Contact: 06/09/2004 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside

County and northern Imperial County, California.

Date of Government Version: 01/12/2009 Date Data Arrived at EDR: 05/07/2009 Date Made Active in Reports: 09/21/2009

Number of Days to Update: 137

Source: EPA, Region 9 Telephone: 415-947-4219 Last EDR Contact: 10/10/2023

Next Scheduled EDR Contact: 01/29/2024 Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

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

Date of Government Version: 04/01/2014 Date Data Arrived at EDR: 08/06/2014 Date Made Active in Reports: 01/29/2015

Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service

Telephone: 301-443-1452 Last EDR Contact: 07/27/2023

Next Scheduled EDR Contact: 11/13/2023

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: 05/22/2023 Date Data Arrived at EDR: 05/23/2023 Date Made Active in Reports: 07/10/2023

Number of Days to Update: 48

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 08/21/2023

Next Scheduled EDR Contact: 12/04/2023 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: 12/05/2022 Date Data Arrived at EDR: 12/05/2022 Date Made Active in Reports: 02/24/2023

Number of Days to Update: 81

Source: Department of Natural Resources

Telephone: 573-751-3443 Last EDR Contact: 08/30/2023

Next Scheduled EDR Contact: 12/18/2023 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: 09/12/2022 Date Data Arrived at EDR: 09/21/2022 Date Made Active in Reports: 12/08/2022

Number of Days to Update: 78

Source: Department of Natural Resources

Telephone: 573-522-3710 Last EDR Contact: 08/30/2023

Next Scheduled EDR Contact: 12/18/2023 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: 05/22/2023 Date Data Arrived at EDR: 05/23/2023 Date Made Active in Reports: 07/10/2023

Number of Days to Update: 48

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 08/21/2023

Next Scheduled EDR Contact: 12/04/2023 Data Release Frequency: Quarterly

Local Land Records

LIENS 2: CERCLA Lien Information

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

Date of Government Version: 06/22/2023 Date Data Arrived at EDR: 07/06/2023 Date Made Active in Reports: 07/24/2023

Number of Days to Update: 18

Source: Environmental Protection Agency

Telephone: 202-564-6023 Last EDR Contact: 10/03/2023

Next Scheduled EDR Contact: 01/08/2024 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: 06/19/2023 Date Data Arrived at EDR: 06/23/2023 Date Made Active in Reports: 09/20/2023

Number of Days to Update: 89

Source: U.S. Department of Transportation

Telephone: 202-366-4555 Last EDR Contact: 09/20/2023

Next Scheduled EDR Contact: 01/01/2024 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: 12/05/2022 Date Data Arrived at EDR: 12/05/2022 Date Made Active in Reports: 02/24/2023

Number of Days to Update: 81

Source: Department of Natural Resources

Telephone: 573-526-3349 Last EDR Contact: 08/30/2023

Next Scheduled EDR Contact: 12/18/2023 Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/27/2012 Date Data Arrived at EDR: 01/03/2013 Date Made Active in Reports: 02/22/2013

Number of Days to Update: 50

Source: FirstSearch Telephone: N/A

Last EDR Contact: 01/03/2013 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

Other Ascertainable Records

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

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

Date of Government Version: 07/24/2023 Date Data Arrived at EDR: 07/31/2023 Date Made Active in Reports: 08/14/2023

Number of Days to Update: 14

Source: Environmental Protection Agency

Telephone: 913-551-7003 Last EDR Contact: 09/20/2023

Next Scheduled EDR Contact: 01/01/2024 Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

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

Date of Government Version: 08/07/2023 Date Data Arrived at EDR: 08/15/2023 Date Made Active in Reports: 10/10/2023

Number of Days to Update: 56

Source: U.S. Army Corps of Engineers

Telephone: 202-528-4285 Last EDR Contact: 08/15/2023

Next Scheduled EDR Contact: 11/27/2023 Data Release Frequency: Varies

DOD: Department of Defense Sites

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

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

Number of Days to Update: 239

Source: USGS

Telephone: 888-275-8747 Last EDR Contact: 10/09/2023

Next Scheduled EDR Contact: 01/22/2024

Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

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

Date of Government Version: 04/02/2018 Date Data Arrived at EDR: 04/11/2018 Date Made Active in Reports: 11/06/2019

Number of Days to Update: 574

Source: U.S. Geological Survey Telephone: 888-275-8747 Last EDR Contact: 10/04/2023

Next Scheduled EDR Contact: 01/15/2024

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: 07/30/2021 Date Data Arrived at EDR: 02/03/2023 Date Made Active in Reports: 02/10/2023

Number of Days to Update: 7

Source: Environmental Protection Agency

Telephone: 615-532-8599 Last EDR Contact: 08/01/2023

Next Scheduled EDR Contact: 11/20/2023

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: 06/19/2023 Date Data Arrived at EDR: 06/20/2023 Date Made Active in Reports: 08/14/2023

Number of Days to Update: 55

Source: Environmental Protection Agency

Telephone: 202-566-1917 Last EDR Contact: 09/20/2023

Next Scheduled EDR Contact: 01/01/2024 Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

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

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

Number of Days to Update: 88

Source: Environmental Protection Agency

Telephone: 617-520-3000 Last EDR Contact: 07/31/2023

Next Scheduled EDR Contact: 11/13/2023 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 Lindato: 73

Number of Days to Update: 73

Source: Environmental Protection Agency

Telephone: 703-308-4044 Last EDR Contact: 08/03/2023

Next Scheduled EDR Contact: 11/13/2023

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: 12/31/2020 Date Data Arrived at EDR: 06/14/2022 Date Made Active in Reports: 03/24/2023

Number of Days to Update: 283

Source: EPA

Telephone: 202-260-5521 Last EDR Contact: 09/15/2023

Next Scheduled EDR Contact: 12/25/2023 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: 12/31/2021 Date Data Arrived at EDR: 02/16/2023 Date Made Active in Reports: 05/02/2023

Number of Days to Update: 75

Source: EPA

Telephone: 202-566-0250 Last EDR Contact: 08/18/2023

Next Scheduled EDR Contact: 11/27/2023 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: 07/17/2023 Date Data Arrived at EDR: 07/18/2023 Date Made Active in Reports: 10/10/2023

Number of Days to Update: 84

Source: EPA

Telephone: 202-564-4203 Last EDR Contact: 07/18/2023

Next Scheduled EDR Contact: 10/30/2023 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: 06/22/2023 Date Data Arrived at EDR: 07/06/2023 Date Made Active in Reports: 07/24/2023

Number of Days to Update: 18

Source: EPA

Telephone: 703-416-0223 Last EDR Contact: 10/03/2023

Next Scheduled EDR Contact: 12/11/2023

Data Release Frequency: Annually

RMP: Risk Management Plans

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

Date of Government Version: 05/09/2023 Date Data Arrived at EDR: 06/29/2023 Date Made Active in Reports: 09/25/2023

Number of Days to Update: 88

Source: Environmental Protection Agency

Telephone: 202-564-8600 Last EDR Contact: 09/26/2023

Next Scheduled EDR Contact: 10/30/2023

Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

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

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

Number of Days to Update: 35

Source: EPA

Telephone: 202-564-4104 Last EDR Contact: 06/02/2008

Next Scheduled EDR Contact: 09/01/2008 Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 06/22/2023 Date Data Arrived at EDR: 07/06/2023 Date Made Active in Reports: 07/24/2023

Number of Days to Update: 18

Source: EPA

Telephone: 202-564-6023 Last EDR Contact: 10/03/2023

Next Scheduled EDR Contact: 11/13/2023 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: 03/20/2023 Date Data Arrived at EDR: 04/04/2023 Date Made Active in Reports: 06/09/2023

Number of Days to Update: 66

Source: EPA

Telephone: 202-566-0500 Last EDR Contact: 10/06/2023

Next Scheduled EDR Contact: 01/15/2024 Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

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

Date of Government Version: 11/18/2016 Date Data Arrived at EDR: 11/23/2016 Date Made Active in Reports: 02/10/2017

Number of Days to Update: 79

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 09/27/2023

Next Scheduled EDR Contact: 01/15/2024 Data Release Frequency: Quarterly

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

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

Date of Government Version: 04/09/2009 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: 07/20/2023 Date Data Arrived at EDR: 09/01/2023 Date Made Active in Reports: 09/20/2023

Number of Days to Update: 19

Source: Nuclear Regulatory Commission

Telephone: 301-415-0717 Last EDR Contact: 10/10/2023

Next Scheduled EDR Contact: 01/29/2024 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: 12/31/2021 Date Data Arrived at EDR: 04/14/2023 Date Made Active in Reports: 07/10/2023

Number of Days to Update: 87

Source: Department of Energy Telephone: 202-586-8719 Last EDR Contact: 09/01/2023

Next Scheduled EDR Contact: 12/11/2023 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: 08/28/2023

Next Scheduled EDR Contact: 12/11/2023 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: 08/03/2023

Next Scheduled EDR Contact: 11/13/2023

Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S.

Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019 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

Telephone: 202-343-9775 Last EDR Contact: 09/22/2023

Next Scheduled EDR Contact: 01/08/2024 Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

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

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

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2007

Next Scheduled EDR Contact: 03/17/2008

Data Release Frequency: No Update Planned

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

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

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

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2008

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

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

Date of Government Version: 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 Transporation, Office of Pipeline Safety

Telephone: 202-366-4595 Last EDR Contact: 10/04/2023

Next Scheduled EDR Contact: 11/06/2023 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: 06/30/2023 Date Data Arrived at EDR: 07/19/2023 Date Made Active in Reports: 10/10/2023

Number of Days to Update: 83

Source: Department of Justice, Consent Decree Library

Telephone: Varies

Last EDR Contact: 10/03/2023

Next Scheduled EDR Contact: 01/15/2024 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: 12/31/2021 Date Data Arrived at EDR: 03/09/2023 Date Made Active in Reports: 03/20/2023

Number of Days to Update: 11

Source: EPA/NTIS Telephone: 800-424-9346 Last EDR Contact: 09/20/2023

Next Scheduled EDR Contact: 01/01/2024 Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

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

than 640 acres.

Date of Government Version: 12/31/2014 Date Data Arrived at EDR: 07/14/2015 Date Made Active in Reports: 01/10/2017

Number of Days to Update: 546

Source: USGS

Telephone: 202-208-3710 Last EDR Contact: 10/02/2023

Next Scheduled EDR Contact: 01/15/2024 Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

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

Date of Government Version: 03/03/2023 Date Data Arrived at EDR: 03/03/2023 Date Made Active in Reports: 06/09/2023

Number of Days to Update: 98

Source: Department of Energy Telephone: 202-586-3559 Last EDR Contact: 07/26/2023

Next Scheduled EDR Contact: 11/13/2023

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: 08/10/2023

Next Scheduled EDR Contact: 11/27/2023 Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 06/22/2023 Date Data Arrived at EDR: 07/06/2023 Date Made Active in Reports: 07/24/2023

Number of Days to Update: 18

Source: Environmental Protection Agency

Telephone: 703-603-8787 Last EDR Contact: 10/03/2023

Next Scheduled EDR Contact: 01/08/2024

Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

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

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

Number of Days to Update: 36

Source: American Journal of Public Health

Telephone: 703-305-6451 Last EDR Contact: 12/02/2009 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

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

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

Date of Government Version: 10/12/2016 Date Data Arrived at EDR: 10/26/2016 Date Made Active in Reports: 02/03/2017

Number of Days to Update: 100

Source: EPA

Telephone: 202-564-2496 Last EDR Contact: 09/26/2017

Next Scheduled EDR Contact: 01/08/2018 Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data A listing of minor source facilities.

> Date of Government Version: 10/12/2016 Date Data Arrived at EDR: 10/26/2016 Date Made Active in Reports: 02/03/2017

Number of Days to Update: 100

Source: EPA

Telephone: 202-564-2496 Last EDR Contact: 09/26/2017

Next Scheduled EDR Contact: 01/08/2018 Data Release Frequency: Annually

US MINES: Mines Master Index File

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

Date of Government Version: 05/01/2023 Date Data Arrived at EDR: 05/24/2023 Date Made Active in Reports: 07/24/2023

Number of Days to Update: 61

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959 Last EDR Contact: 08/22/2023

Next Scheduled EDR Contact: 12/04/2023 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: 07/05/2023 Date Data Arrived at EDR: 07/05/2023 Date Made Active in Reports: 09/25/2023

Number of Days to Update: 82

Source: DOL, Mine Safety & Health Admi

Telephone: 202-693-9424 Last EDR Contact: 10/04/2023

Next Scheduled EDR Contact: 11/20/2023 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: 01/07/2022 Date Data Arrived at EDR: 02/24/2023 Date Made Active in Reports: 05/17/2023

Number of Days to Update: 82

Source: USGS Telephone: 703-648-7709 Last EDR Contact: 08/24/2023

Next Scheduled EDR Contact: 12/04/2023 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: 08/24/2023

Next Scheduled EDR Contact: 12/04/2023

Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 08/23/2022 Date Data Arrived at EDR: 11/22/2022 Date Made Active in Reports: 02/28/2023

Number of Days to Update: 98

Source: USGS

Telephone: 703-648-6533 Last EDR Contact: 08/24/2023

Next Scheduled EDR Contact: 12/04/2023

Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

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

Date of Government Version: 06/13/2023 Date Data Arrived at EDR: 06/14/2023 Date Made Active in Reports: 08/14/2023

Number of Days to Update: 61

Source: Department of Interior Telephone: 202-208-2609 Last EDR Contact: 09/12/2023

Next Scheduled EDR Contact: 12/18/2023 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: 05/04/2023 Date Data Arrived at EDR: 05/25/2023 Date Made Active in Reports: 07/24/2023

Number of Days to Update: 60

Source: EPA

Telephone: (913) 551-7003 Last EDR Contact: 09/28/2023

Next Scheduled EDR Contact: 12/11/2023 Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 11/09/2021 Date Data Arrived at EDR: 10/20/2022 Date Made Active in Reports: 01/10/2023

Number of Days to Update: 82

Source: Department of Defense Telephone: 703-704-1564 Last EDR Contact: 09/13/2023

Next Scheduled EDR Contact: 01/22/2024 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: 05/06/2021 Date Data Arrived at EDR: 05/21/2021 Date Made Active in Reports: 08/11/2021

Number of Days to Update: 82

Source: Environmental Protection Agency

Telephone: 202-564-0527 Last EDR Contact: 08/15/2023

Next Scheduled EDR Contact: 12/04/2023 Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

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

Date of Government Version: 06/24/2023 Date Data Arrived at EDR: 06/29/2023 Date Made Active in Reports: 09/25/2023

Number of Days to Update: 88

Source: Environmental Protection Agency

Telephone: 202-564-2280 Last EDR Contact: 10/03/2023

Next Scheduled EDR Contact: 01/15/2024 Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels

Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 05/15/2023 Date Data Arrived at EDR: 05/17/2023 Date Made Active in Reports: 07/10/2023

Number of Days to Update: 54

Source: EPA

Telephone: 800-385-6164 Last EDR Contact: 08/15/2023

Next Scheduled EDR Contact: 11/27/2023 Data Release Frequency: Quarterly

PFAS NPL: Superfund Sites with PFAS Detections Information

EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

Date of Government Version: 07/05/2023 Date Data Arrived at EDR: 07/05/2023 Date Made Active in Reports: 10/02/2023

Number of Days to Update: 89

Source: Environmental Protection Agency

Telephone: 703-603-8895 Last EDR Contact: 10/03/2023

Next Scheduled EDR Contact: 01/15/2024 Data Release Frequency: Varies

PFAS FEDERAL SITES: Federal Sites PFAS Information

Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 07/05/2023 Date Data Arrived at EDR: 07/05/2023 Date Made Active in Reports: 10/02/2023

Number of Days to Update: 89

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 10/03/2023

Next Scheduled EDR Contact: 01/15/2024

Data Release Frequency: Varies

PFAS TRIS: List of PFAS Added to the TRI

Section 7321 of the National Defense Authorization Act for Fiscal Year 2020 (NDAA) immediately added certain per- and polyfluoroalkyl substances (PFAS) to the list of chemicals covered by the Toxics Release Inventory (TRI) under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) and provided a framework for additional PFAS to be added to TRI on an annual basis.

Date of Government Version: 07/05/2023 Date Data Arrived at EDR: 07/05/2023 Date Made Active in Reports: 10/02/2023

Number of Days to Update: 89

Source: Environmental Protection Agency

Telephone: 202-566-0250 Last EDR Contact: 10/03/2023

Next Scheduled EDR Contact: 01/15/2024

Data Release Frequency: Varies

PFAS TSCA: PFAS Manufacture and Imports Information

EPA issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. EPA publishes non-confidential business information (non-CBI) and includes descriptive information about each site, corporate parent, production volume, other manufacturing information, and processing and use information.

Date of Government Version: 07/05/2023 Date Data Arrived at EDR: 07/05/2023 Date Made Active in Reports: 10/02/2023

Number of Days to Update: 89

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 10/03/2023

Next Scheduled EDR Contact: 01/15/2024

Data Release Frequency: Varies

PFAS RCRA MANIFEST: PFAS Transfers Identified In the RCRA Database Listing

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST_HANDLING_INSTR), Non-hazardous waste description (NON_HAZ_WASTE_DESCRIPTION), DOT printed information (DOT_PRINTED_INFORMATION), Waste line handling instructions (WASTE_LINE_HANDLING_INSTR), Waste residue comments (WASTE_RESIDUE_COMMENTS).

Date of Government Version: 07/05/2023 Date Data Arrived at EDR: 07/05/2023 Date Made Active in Reports: 10/02/2023

Number of Days to Update: 89

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 10/03/2023

Next Scheduled EDR Contact: 01/15/2024 Data Release Frequency: Varies

PFAS ATSDR: PFAS Contamination Site Location Listing

PFAS contamination site locations from the Department of Health & Human Services, Center for Disease Control & Prevention. ATSDR is involved at a number of PFAS-related sites, either directly or through assisting state and federal partners. As of now, most sites are related to drinking water contamination connected with PFAS production facilities or fire training areas where aqueous film-forming firefighting foam (AFFF) was regularly used.

Date of Government Version: 06/24/2020 Date Data Arrived at EDR: 03/17/2021 Date Made Active in Reports: 11/08/2022

Number of Days to Update: 601

Source: Department of Health & Human Services

Telephone: 202-741-5770 Last EDR Contact: 07/19/2023

Next Scheduled EDR Contact: 11/06/2023 Data Release Frequency: Varies

PFAS WQP: Ambient Environmental Sampling for PFAS

The Water Quality Portal (WQP) is a part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations and individuals submit project details and sampling results to this public repository. The information is commonly used for research and assessments of environmental quality.

Date of Government Version: 09/23/2023 Date Data Arrived at EDR: 10/03/2023 Date Made Active in Reports: 10/10/2023

Number of Days to Update: 7

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 10/03/2023

Next Scheduled EDR Contact: 01/15/2024 Data Release Frequency: Varies

PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits. Caveats and Limitations: Less than half of states have required PFAS monitoring for at least one of their permittees and fewer states have established PFAS effluent limits for permittees. New rulemakings have been initiated that may increase the number of facilities monitoring for PFAS in the future.

Date of Government Version: 07/05/2023 Date Data Arrived at EDR: 07/05/2023 Date Made Active in Reports: 10/02/2023

Number of Days to Update: 89

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 10/03/2023

Next Scheduled EDR Contact: 01/15/2024 Data Release Frequency: Varies

PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

Date of Government Version: 07/05/2023 Date Data Arrived at EDR: 07/05/2023 Date Made Active in Reports: 09/25/2023

Number of Days to Update: 82

Source: Environmental Protection Agency

Telephone: 202-272-0167

Last EDR Contact: 10/03/2023

Next Scheduled EDR Contact: 01/15/2024 Data Release Frequency: Varies

PFAS ECHO FIRE TRAINING: Facilities in Industries that May Be Handling PFAS Listing

A list of fire training sites was added to the Industry Sectors dataset using a keyword search on the permitted facilitys name to identify sites where fire-fighting foam may have been used in training exercises. Additionally, you may view an example spreadsheet of the subset of fire training facility data, as well as the keywords used in selecting or deselecting a facility for the subset, as well as the keywords used in selecting or deselecting a facility for the subset. These keywords were tested to maximize accuracy in selecting facilities that may use fire-fighting foam in training exercises, however, due to the lack of a required reporting field in the data systems for designating fire training sites, this methodology may not identify all fire training sites or may potentially misidentify them.

Date of Government Version: 07/05/2023 Date Data Arrived at EDR: 07/05/2023 Date Made Active in Reports: 09/25/2023

Number of Days to Update: 82

Source: Environmental Protection Agency

Telephone: 202-272-0167

Last EDR Contact: 10/03/2023

Next Scheduled EDR Contact: 01/15/2024

Data Release Frequency: Varies

PFAS PART 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

Since July 1, 2006, all certified part 139 airports are required to have fire-fighting foam onsite that meet military specifications (MIL-F-24385) (14 CFR 139.317). To date, these military specification fire-fighting foams are fluorinated and have been historically used for training and extinguishing. The 2018 FAA Reauthorization Act has a provision stating that no later than October 2021, FAA shall not require the use of fluorinated AFFF. This provision does not prohibit the use of fluorinated AFFF at Part 139 civilian airports; it only prohibits FAA from mandating its use. The Federal Aviation Administration?s document AC 150/5210-6D - Aircraft Fire Extinguishing Agents provides guidance on Aircraft Fire Extinguishing Agents, which includes Aqueous Film Forming Foam (AFFF).

Date of Government Version: 07/05/2023 Date Data Arrived at EDR: 07/05/2023 Date Made Active in Reports: 09/25/2023

Number of Days to Update: 82

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 10/03/2023

Next Scheduled EDR Contact: 01/15/2024 Data Release Frequency: Varies

AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

Date of Government Version: 07/05/2023 Date Data Arrived at EDR: 07/06/2023 Date Made Active in Reports: 09/25/2023

Number of Days to Update: 81

Source: Environmental Protection Agency

Telephone: 202-267-2675 Last EDR Contact: 10/03/2023

Next Scheduled EDR Contact: 01/15/2024 Data Release Frequency: Varies

PCS: Permit Compliance System

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

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

Number of Days to Update: 55

Source: EPA, Office of Water Telephone: 202-564-2496 Last EDR Contact: 09/28/2023

Next Scheduled EDR Contact: 01/15/2024 Data Release Frequency: No Update Planned

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: 09/28/2023

Next Scheduled EDR Contact: 01/15/2024 Data Release Frequency: Varies

BIOSOLIDS: ICIS-NPDES Biosolids Facility Data

The data reflects compliance information about facilities in the biosolids program.

Date of Government Version: 07/16/2023 Date Data Arrived at EDR: 07/18/2023 Date Made Active in Reports: 08/28/2023

Number of Days to Update: 41

Source: Environmental Protection Agency

Telephone: 202-564-4700 Last EDR Contact: 10/03/2023

Next Scheduled EDR Contact: 10/30/2023

Data Release Frequency: Varies

PFAS: PFAS Detections
PFAS detection list

Date of Government Version: 07/05/2023 Date Data Arrived at EDR: 07/13/2023 Date Made Active in Reports: 08/09/2023

Number of Days to Update: 27

Source: Department of Natural Resources

Telephone: 517-751-9857 Last EDR Contact: 09/27/2023

Next Scheduled EDR Contact: 01/15/2024

Data Release Frequency: Varies

AIRS: Permit Facility Listing

A listing of Air Pollution Control Program permits.

Date of Government Version: 03/22/2023 Date Data Arrived at EDR: 03/22/2023 Date Made Active in Reports: 06/06/2023

Number of Days to Update: 76

Source: Department of Natural Resources

Telephone: 573-751-4817 Last EDR Contact: 07/26/2023

Next Scheduled EDR Contact: 11/13/2023

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: 06/29/2023 Date Data Arrived at EDR: 06/30/2023 Date Made Active in Reports: 09/19/2023

Number of Days to Update: 81

Source: Department of Natural Resources

Telephone: 573-751-4817 Last EDR Contact: 10/05/2023

Next Scheduled EDR Contact: 01/15/2024 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: 09/21/2023

Next Scheduled EDR Contact: 01/08/2024 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

Telephone: 573-526-8913 Last EDR Contact: 09/05/2023

Next Scheduled EDR Contact: 12/18/2023 Data Release Frequency: Quarterly

Source: Department of Natural Resources

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information.

Date of Government Version: 06/09/2023 Date Data Arrived at EDR: 06/29/2023 Date Made Active in Reports: 09/22/2023

Number of Days to Update: 85

Source: Department of Natural Resources

Telephone: 573-751-3553 Last EDR Contact: 08/23/2023

Next Scheduled EDR Contact: 12/11/2023 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: 12/19/2022 Date Data Arrived at EDR: 02/28/2023 Date Made Active in Reports: 05/17/2023

Number of Days to Update: 78

Source: Department of Natural Resources

Telephone: 573-751-5401 Last EDR Contact: 09/01/2023

Next Scheduled EDR Contact: 12/11/2023 Data Release Frequency: Quarterly

MINES: Industrial Mineral Mines Database

This data set contains names, locations and additional data for active Industrial Mineral Mines permitted with the Missouri Department of Natural Resources, Division of Environmental Quality, Land Reclamation Program, Industrial Mineral Mines permitted are rock quarries, clay pits, sand and gravel pits, or in-stream sand and gravel operations.

Date of Government Version: 04/30/2021 Date Data Arrived at EDR: 07/14/2021 Date Made Active in Reports: 10/07/2021

Number of Days to Update: 85

Source: Department of Natural Resources

Telephone: 573-751-4041 Last EDR Contact: 07/13/2023

Next Scheduled EDR Contact: 10/23/2023

Data Release Frequency: Varies

NPDES: Permitted Facility Listing

A listing of permitted facilities from the Water Pollution Branch.

Date of Government Version: 06/26/2023 Date Data Arrived at EDR: 07/19/2023 Date Made Active in Reports: 10/10/2023

Number of Days to Update: 83

Source: Department of Natural Resources

Telephone: 573-751-7023 Last EDR Contact: 09/21/2023

Next Scheduled EDR Contact: 01/08/2024 Data Release Frequency: Quarterly

RRC: Certified Hazardous Waste Resource Recovery Facilities

Facilities that take hazardous waste material, either from on-site or off-site, and make it re-usable.

Date of Government Version: 09/30/2020 Date Data Arrived at EDR: 10/06/2020 Date Made Active in Reports: 12/28/2020

Number of Days to Update: 83

Source: Department of Natural Resources

Telephone: 573-751-3176 Last EDR Contact: 08/30/2023

Next Scheduled EDR Contact: 12/18/2023 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: 07/03/2023 Date Data Arrived at EDR: 07/25/2023 Date Made Active in Reports: 10/10/2023

Number of Days to Update: 77

Source: Department of Natural Resources

Telephone: 573-751-3043 Last EDR Contact: 07/25/2023

Next Scheduled EDR Contact: 11/06/2023 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: 09/01/2022 Date Data Arrived at EDR: 02/14/2023 Date Made Active in Reports: 04/28/2023

Number of Days to Update: 73

Source: Department of Natural Resources

Telephone: 573-368-2183 Last EDR Contact: 08/18/2023

Next Scheduled EDR Contact: 11/27/2023 Data Release Frequency: Semi-Annually

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

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

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

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

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

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

Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

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

Date of Government Version: N/A 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

Next Scheduled EDR Contact: N/A Number of Days to Update: 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: 11/16/2022 Date Data Arrived at EDR: 11/16/2022 Date Made Active in Reports: 02/06/2023

Number of Days to Update: 82

Source: Department of Energy & Environmental Protection

Telephone: 860-424-3375 Last EDR Contact: 08/08/2023

Next Scheduled EDR Contact: 11/20/2023 Data Release Frequency: No Update Planned

NY MANIFEST: Facility and Manifest Data

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

facility.

Date of Government Version: 01/01/2019 Date Data Arrived at EDR: 10/29/2021 Date Made Active in Reports: 01/19/2022

Number of Days to Update: 82

Source: Department of Environmental Conservation

Telephone: 518-402-8651 Last EDR Contact: 07/27/2023

Next Scheduled EDR Contact: 11/06/2023 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: 10/05/2023

Next Scheduled EDR Contact: 01/22/2024 Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2020 Date Data Arrived at EDR: 11/30/2021 Date Made Active in Reports: 02/18/2022

Number of Days to Update: 80

Source: Department of Environmental Management

Telephone: 401-222-2797 Last EDR Contact: 08/10/2022

Next Scheduled EDR Contact: 11/27/2023 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: 08/30/2023

Next Scheduled EDR Contact: 12/18/2023 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.

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, 2010 and 2015 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

REACH 8 1210 LARKIN WILLIAMS RD FENTON, MO 63026

TARGET PROPERTY COORDINATES

Latitude (North): 38.529548 - 38° 31' 46.37" Longitude (West): 90.43925 - 90° 26' 21.30"

Universal Tranverse Mercator: Zone 15 UTM X (Meters): 723223.2 UTM Y (Meters): 4267473.5

Elevation: 413 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map: 10295933 KIRKWOOD, MO

Version Date: 2017

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

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

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

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

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).

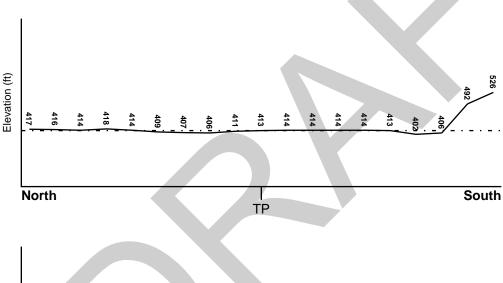
TOPOGRAPHIC INFORMATION

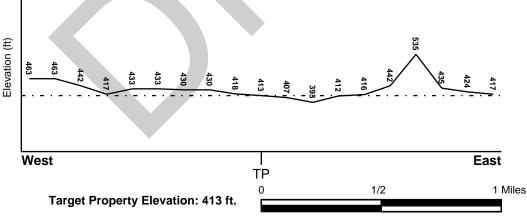
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General ENE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





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

HYDROLOGIC INFORMATION

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

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

FEMA FLOOD ZONE

Flood Plain Panel at Target Property FEMA Source Type

29099C0050E FEMA FIRM Flood data

Additional Panels in search area: FEMA Source Type

Not Reported

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property

NWI Quad at Target Property

Data Coverage

KIRKWOOD 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.

LOCATION GENERAL DIRECTION

MAP ID FROM TP GROUNDWATER FLOW

Not Reported

GROUNDWATER FLOW VELOCITY INFORMATION

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

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

ROCK STRATIGRAPHIC UNIT

GEOLOGIC AGE IDENTIFICATION

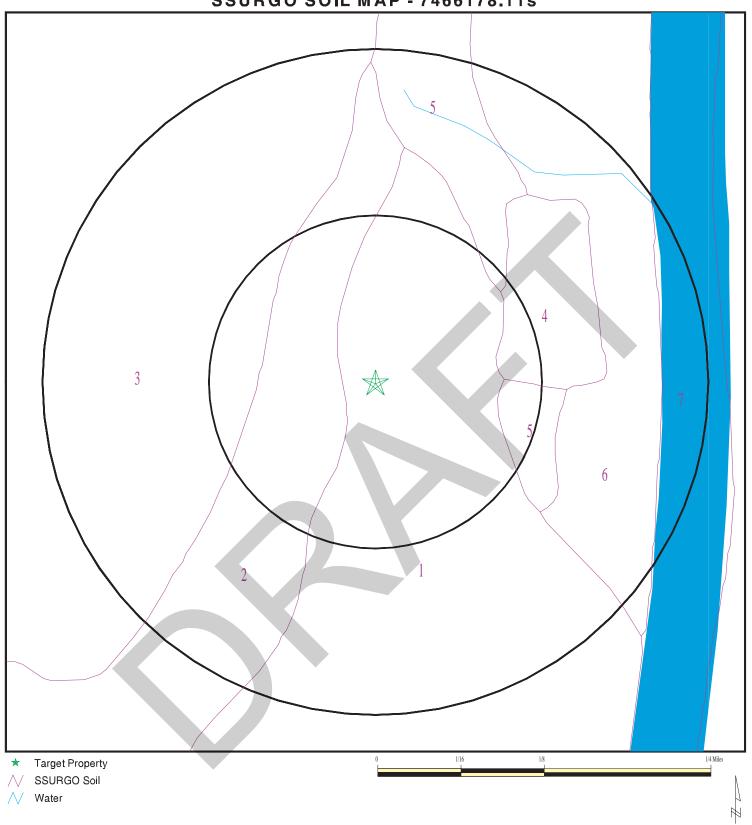
Era: Paleozoic Category: Stratified Sequence

System: Mississippian
Series: Meramecian Series

Code: M2 (decoded above as Era, System & Series)

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

SSURGO SOIL MAP - 7466178.11s



SITE NAME: Reach 8 ADDRESS: 1210 Larkin Williams Rd

Fenton MO 63026 LAT/LONG: 38.529548 / 90.43925 CLIENT: U.S. Army Corps of Engineers
CONTACT: Michael Skrabacz
INQUIRY#: 7466178.11s
DATE: October 11, 2023 1:58 pm

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: Ashton

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep,

moderately well and well drained soils with moderately coarse

textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary		Classification		Saturated hydraulic		
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity	Soil Reaction (pH)
1	0 inches	14 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 5.6
2	14 inches	42 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 5.6
3	42 inches	59 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 5.6

Soil Map ID: 2

Soil Component Name: Freeburg

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward

movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 69 inches

Soil Layer Information							
	Bou	ındary		Classif	ication	Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	
1	0 inches	14 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 6 Min: 5.1
2	14 inches	25 inches	silty clay loam	Not reported	Not reported	Max: 14 Min: 4	Max: 6 Min: 5.1
3	25 inches	44 inches	silty clay loam	Not reported	Not reported	Max: 14 Min: 4	Max: 6 Min: 5.1
4	44 inches	59 inches	silty clay loam	Not reported	Not reported	Max: 14 Min: 4	Max: 6 Min: 5.1

Soil Map ID: 3

Soil Component Name: **Fishpot**

Soil Surface Texture: silt loam

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

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 107 inches

Soil Layer Information							
	Boui	ndary		Classif	ication	Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		Soil Reaction (pH)
1	0 inches	46 inches	silt loam	Not reported	Not reported	Max: 4 Min: 1.4	Max: 7.3 Min: 5.6

	Soil Layer Information							
	Boundary Classification Saturated hydraulic							
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		Soil Reaction (pH)	
2	46 inches	59 inches	silt loam	Not reported	Not reported	Max: 4 Min: 1.4	Max: 7.3 Min: 5.6	

Soil Map ID: 4

Soil Component Name: Water

Soil Surface Texture: silt loam

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

Soil Drainage Class: Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 5

Soil Component Name: Wilbur Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep,

moderately well and well drained soils with moderately coarse

textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 137 inches

	Soil Layer Information							
	Boui	ndary	Classification Saturated hydraulic					
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		Oon Neadilon	
1	0 inches	5 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.8 Min: 5.6	
2	5 inches	59 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.8 Min: 5.6	

Soil Map ID: 6

Haymond Soil Component Name: Soil Surface Texture: silt loam

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

textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches Depth to Watertable Min: > 0 inches

	Soil Layer Information							
	Boundary Classification Saturated hydraulic							
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec (pH)		
1	0 inches	5 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 5.6	
2	5 inches	59 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 5.6	

Soil Map ID: 7

Soil Component Name: Water Soil Surface Texture: silt loam

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

textures.

Soil Drainage Class:

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

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.

LOCATION

WELL SEARCH DISTANCE INFORMATION

DATABASE SEARCH DISTANCE (miles)

Federal USGS 1.000

Federal FRDS PWS Nearest PWS within 0.001 miles

State Database 1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	FROM TP
1	USGS40000694138	1/8 - 1/4 Mile SE
2	USGS40000694134	1/4 - 1/2 Mile WSW
3	USGS40000694172	1/2 - 1 Mile NW
A6	USGS40000694079	1/2 - 1 Mile SSW
B8	USGS40000694122	1/2 - 1 Mile WSW
C10	USGS40000694196	1/2 - 1 Mile NW
D13	USGS40000694098	1/2 - 1 Mile SW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

LOCATION MAP ID WELL ID FROM TP

No PWS System Found

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

STATE DATABASE WELL INFORMATION

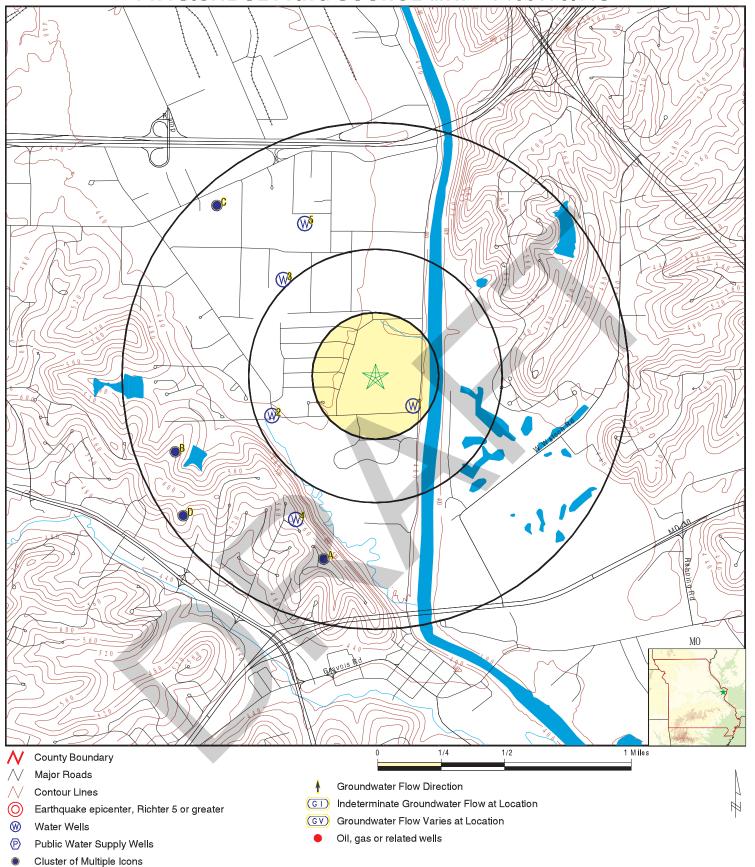
LOCATION MAP ID WELL ID FROM TP

GEOCHECK[®] - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
4	MOLOG3000035073	1/2 - 1 Mile SSW
5	MOLOG3000035259	1/2 - 1 Mile NNW
A7	MOLOG3000035045	1/2 - 1 Mile SSW
B9	MOLOG3000035118	1/2 - 1 Mile WSW
D11	MOLOG3000035075	1/2 - 1 Mile SW
C12	MOLOG3000035274	1/2 - 1 Mile NW

PHYSICAL SETTING SOURCE MAP - 7466178.11s



SITE NAME: Reach 8

1210 Larkin Williams Rd ADDRESS:

Fenton MO 63026 LAT/LONG: 38.529548 / 90.43925 CLIENT: U.S. Army Corps of Engineers CONTACT: Michael Skrabacz

INQUIRY#: 7466178.11s

DATE: October 11, 2023 1:58 pm

GEOCHECK®-PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance

EDR ID Number Elevation Database

FED USGS USGS40000694138

USGS40000694134

USGS40000694172

FED USGS

FED USGS

1/8 - 1/4 Mile Lower

> Organization ID: **USGS-MO** Organization Name: USGS Missouri Water Science Center

T44N R05E 27AAD1 Monitor Location: Type: Well HUC: Description: Not Reported 07140102 Drainage Area: Not Reported **Drainage Area Units:** Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Aquifer: Alluvial aquifers Formation Type: Holocene Alluvium

Aquifer Type: Unconfined single aquifer Construction Date: 19680000 Well Depth: Well Depth Units: 52

Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

Level reading date: 1968-06-01 Ground water levels, Number of Measurements: 1

Feet below surface: 16 Feet to sea level: Not Reported Not Reported Note:

้พรพ 1/4 - 1/2 Mile Higher

Note:

Organization ID: **USGS-MO** Organization Name: USGS Missouri Water Science Center

T44N R05E 27BAD1 Monitor Location: Type: Well Description: Not Reported HUC: 07140102 Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Alluvial aquifers Formation Type: Holocene Alluvium Aquifer:

Aquifer Type: Unconfined single aquifer Construction Date: 19680000

Well Depth: Well Depth Units:

Not Reported

Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

Ground water levels, Number of Measurements: 1 Level reading date: 1968-06-01 Feet below surface: Feet to sea level: Not Reported

NW 1/2 - 1 Mile Higher

Organization ID: **USGS-MO** Organization Name: USGS Missouri Water Science Center

T44N R05E 22CAD1 Monitor Location: Type: Well Not Reported 07140102 Description: HUC: Drainage Area: Not Reported **Drainage Area Units:** Not Reported Contrib Drainage Area Unts: Contrib Drainage Area: Not Reported Not Reported Aquifer: Alluvial aquifers Formation Type: Holocene Alluvium

Aquifer Type: Unconfined single aquifer Construction Date: Not Reported

Well Depth: 60 Well Depth Units:

Well Hole Depth: Well Hole Depth Units: Not Reported Not Reported

Level reading date: Ground water levels, Number of Measurements: 1968-02-01 1 Feet below surface: 46 Feet to sea level: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Note: Not Reported

4 SSW MO WELLS MOLOG3000035073 1/2 - 1 Mile

WELLS LOG:

Higher

Database: Geologic Well Log Database ID: 0002528

Hessoun Orphanage Owner: Well Type: Private Well Stratigraphy Log: No Driller Log: Other Log: Yes No Samples Retained: Elevation (ft): 578 Yes Total Depth (ft): 856 Depth to Bedrock (ft): 25

SWL After Casing Set: 146 SWL Before Casing Set: -9999
SWL After Casing Grouting (ft): 432 SWL Before Casing Grouting (ft): -9999
Water Noted by Driller (ft): Not Reported Draw Down (ft): -9999

Well Yield (gpm):

Surface Formation: (NO SAMPLES or NOT LOGGED)

First Bedrock Form: SALEM FORMATION Alternate ID 1: None Alternate ID 3: None SDWIS ID: -99999 WIMS ID: None Oil and Gas ID: None Other Database ID: Mineral Bore Hole ID: None None Additional Databases Linked: Not Reported Drill Date: 193202 Driller: Clark Bros Logger: Gleason, C.D.

Log Date: Not Reported Geological Structures: No Interval Core Top (ft): 0 Interval Core Bottom (ft): 0

Remarks: Plugged Back To 610', St. Peter Water Salty

URL: https://info.mo.gov/dnr/DNR_GIS/geology/wrc/logmain/striplogs/nolog.pdf

5 NNW MO WELLS MOLOG3000035259

1/2 - 1 Mile Higher

WELLS LOG:

Database: Geologic Well Log Database

ID: 0016998

Owner: Majestic Materials Co Well #2
Well Type: Industrial High Capacity Well

Stratigraphy Log: Yes Driller Log: No Other Log: Νo Samples Retained: Yes Elevation (ft): Total Depth (ft): 170 432 SWL After Casing Set: 70 Depth to Bedrock (ft): 75 SWL After Casing Grouting (ft): SWL Before Casing Set: -9999 362

SWL Before Casing Grouting (ft): -9999 Water Noted by Driller (ft): Not Reported

Draw Down (ft): -9999 Well Yield (gpm): 42

Surface Formation: (NO SAMPLES or NOT LOGGED)

First Bedrock Form: BURLINGTON-KEOKUK LIMESTONE UNDIFFERENTIATED

Alternate ID 3: Alternate ID 1: None None SDWIS ID: -99999 WIMS ID: None Oil and Gas ID: None Other Database ID: None Mineral Bore Hole ID: None Additional Databases Linked: Not Reported Drill Date: 196802 Driller: Haverstick

Logger:Wells, J.Log Date:19580305Geological Structures:NoInterval Core Top (ft):0

Interval Core Bottom (ft): 0

Remarks: Plymouth Plant #2 - 'Can't Locate, On Crysler Plant Ground

GEOCHECK®-PHYSICAL SETTING SOURCE MAP FINDINGS

URL: https://info.mo.gov/dnr/DNR_GIS/geology/wrc/logmain/striplogs/0016998.pdf

1/2 - 1 Mile Higher

Organization ID: USGS-MO Organization Name: USGS Missouri Water Science Center

T44N R05E 27DCC1 Monitor Location: Type: Well HUC: Description: Not Reported 07140102 Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported

Aquifer: Ozark Plateaus aquifer system

Formation Type: Fern Glen Limestone Aquifer Type: Confined multiple aquifer

Construction Date: 19310000 Well Depth: 418

Well Depth Units: ft Well Hole Depth: Not Reported

Well Hole Depth Units: Not Reported

Ground water levels, Number of Measurements: 1 Level reading date: 1931-03-01 Feet below surface: 200 Feet to sea level: Not Reported

Note: Not Reported

...

SSW 1/2 - 1 Mile Higher

nigher

WELLS LOG:

Database: Geologic Well Log Database
ID: Owner: Moder, E.C. #1

Well Type: Private Well Stratigraphy Log: No Driller Log: Yes Other Log: No Samples Retained: Yes Elevation (ft): 590 Total Depth (ft): Depth to Bedrock (ft): 418 40 SWL After Casing Set: 200 SWL Before Casing Set: -9999 SWL Before Casing Grouting (ft): SWL After Casing Grouting (ft): 390 -9999 Water Noted by Driller (ft): Not Reported Draw Down (ft): -9999

Well Yield (gpm): -9999

Surface Formation: (NO SAMPLES or NOT LOGGED)

First Bedrock Form: SALEM FORMATION Alternate ID 1: None Alternate ID 3: None SDWIS ID: -99999 WIMS ID: None Oil and Gas ID: None Other Database ID: None Mineral Bore Hole ID: None Additional Databases Linked: Not Reported Drill Date: 193103 Driller: Clark Bros Gleason, C.D. Logger:

Log Date: Not Reported Geological Structures: No Interval Core Top (ft): 0 Interval Core Bottom (ft): 0

Remarks: well yield noted as between 5-7

URL: https://info.mo.gov/dnr/DNR_GIS/geology/wrc/logmain/striplogs/nolog.pdf

WSW 1/2 - 1 Mile Higher

Organization ID: USGS-MO Organization Name: USGS Missouri Water Science Center

Monitor Location: T44N R05E 27BCB1 Type: Well

TC7466178.11s Page A-15

FED USGS

MO WELLS

MOLOG3000035045

USGS40000694122

GEOCHECK®-PHYSICAL SETTING SOURCE MAP FINDINGS

Description:Not ReportedHUC:07140102Drainage Area:Not ReportedDrainage Area Units:Not ReportedContrib Drainage Area:Not ReportedContrib Drainage Area Units:Not Reported

Aquifer: Ozark Plateaus aquifer system

Formation Type: Decorah Formation Aquifer Type: Confined multiple aquifer

Construction Date: 19590000 Well Depth: 510

Well Depth Units: ft Well Hole Depth: Not Reported

Well Hole Depth Units: Not Reported

MSW MO WELLS MOLOG3000035118
1/2 - 1 Mile

Higher

WELLS LOG:

Database: Geologic Well Log Database

ID: Owner: Fabick, John

Stratigraphy Log: Well Type: Private Well Yes Driller Log: No Other Log: No Samples Retained: Yes Elevation (ft): 547 Depth to Bedrock (ft): Total Depth (ft): 510 70 SWL After Casing Set: -9999 SWL Before Casing Set: -9999 SWL After Casing Grouting (ft): -9999 SWL Before Casing Grouting (ft): -9999 Water Noted by Driller (ft): Not Reported Draw Down (ft): 34

Well Yield (gpm): 15

Surface Formation: (NO SAMPLES or NOT LOGGED)

First Bedrock Form: WARSAW FORMATION

Alternate ID 1: None Alternate ID 3: None SDWIS ID: -99999 WIMS ID: None Oil and Gas ID: None Other Database ID: None

Mineral Bore Hole ID: None Additional Databases Linked: Not Reported Drill Date: 19590222 Driller: Clark Brothers Logger: Wells, J. Log Date: 19590513

Geological Structures: No Interval Core Top (ft): 0

Interval Core Bottom (ft): 0
Remarks: Not Reported

URL: https://info.mo.gov/dnr/DNR_GIS/geology/wrc/logmain/striplogs/0017973.pdf

C10 NW FED USGS USGS40000694196

NW 1/2 - 1 Mile Higher

Organization ID: USGS-MO Organization Name: USGS Missouri Water Science Center

T44N R05E 22BCD1 Monitor Location: Type: Well Description: Not Reported HUC: 07140102 Drainage Area Units: Not Reported Drainage Area: Not Reported Not Reported Contrib Drainage Area: Contrib Drainage Area Unts: Not Reported

Aquifer: Ozark Plateaus aquifer system

Formation Type: Burlington Limestone Aquifer Type: Not Reported

Construction Date: 19590000 Well Depth: 105

Well Depth Units: ft Well Hole Depth: Not Reported

Well Hole Depth Units: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance

Higher

Elevation Database EDR ID Number

D11 SW 1/2 - 1 Mile

MO WELLS MOLOG3000035075

WELLS LOG:

Database: Geologic Well Log Database

ID: 0005209 Owner: Huck, Dr. - Well #1

Well Type: Private Well Stratigraphy Log: Yes Driller Log: No Other Log: No Samples Retained: Elevation (ft): 546 Yes Depth to Bedrock (ft): Total Depth (ft): 500 30 SWL After Casing Set: -9999 SWL Before Casing Set: -9999 SWL After Casing Grouting (ft): -9999 SWL Before Casing Grouting (ft): -9999 Water Noted by Driller (ft): Draw Down (ft): -9999 Not Reported

Well Yield (gpm):

Surface Formation: (NO SAMPLES or NOT LOGGED)

First Bedrock Form: **SALEM FORMATION** Alternate ID 1: None SDWIS ID: Alternate ID 3: None -99999 WIMS ID: None Oil and Gas ID: None Other Database ID: None Mineral Bore Hole ID: None Additional Databases Linked: Not Reported Drill Date: 193808 Driller: Clark Brothers Logger: Grohskopf, J.

Log Date: Not Reported Geological Structures: No Interval Core Top (ft): 0 Interval Core Bottom (ft): 0

Remarks: East Of Smizer Mill Rd

URL: https://info.mo.gov/dnr/DNR_GIS/geology/wrc/logmain/striplogs/0005209.pdf

C12 NW 1/2 - 1 Mile Higher

MO WELLS MOLOG3000035274

WELLS LOG:

Database: Geologic Well Log Database

ID: 0018572 Owner: Commercial Carriers

Private Well Well Type: Stratigraphy Log: Yes Driller Log: Other Log: No No Samples Retained: Yes Elevation (ft): 435 Total Depth (ft): 105 Depth to Bedrock (ft): 80 SWL After Casing Set: -9999 SWL Before Casing Set: -9999 SWL After Casing Grouting (ft): -9999 SWL Before Casing Grouting (ft): -9999 Water Noted by Driller (ft): Draw Down (ft): -9999 Not Reported

Well Yield (gpm): 20

Surface Formation: (NO SAMPLES or NOT LOGGED)
First Bedrock Form: BURLINGTON LIMESTONE

 Alternate ID 1:
 None
 Alternate ID 3:
 None

 SDWIS ID:
 -99999
 WIMS ID:
 None

 Oil and Gas ID:
 None
 Other Database ID:
 None

Mineral Bore Hole ID: None Additional Databases Linked: Not Reported
Drill Date: Driller: Haverstick Well Co

Logger:Groves, H.M.Log Date:19591229Geological Structures:NoInterval Core Top (ft):0

Interval Core Bottom (ft): 0

Remarks: Yield - 20 Gpm @ 75'

URL: https://info.mo.gov/dnr/DNR_GIS/geology/wrc/logmain/striplogs/0018572.pdf

GEOCHECK®-PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance

Elevation Database EDR ID Number

D13 SW 1/2 - 1 Mile

FED USGS USGS40000694098

1/2 - 1 Mile Higher

Organization ID: USGS-MO
Monitor Location: T44N R05E 27CBC1

Description:

Description:

Not Reported

Not Reported

Contrib Drainage Area:

Not Reported

Not Reported

Aquifer: Ozark Plateaus aquifer system Formation Type: Kimmswick Limestone

Construction Date: 19380000

Well Depth Units: ft

Well Hole Depth Units: Not Reported

Organization Name: USGS Missouri Water Science Center

Type: Well
HUC: 07140102
Drainage Area Units: Not Reported
Contrib Drainage Area Unts: Not Reported

Aquifer Type: Confined multiple aquifer

Well Depth: 500

Well Hole Depth: Not Reported



GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: MO Radon

Radon Test Results

Zipcode	Test Date	Result
63026	10/23/06	8.6
63026	10/23/06	9.2
63026	11/24/08	< 0.3
63026	11/25/08	4
63026	11/27/04	2.6
63026	12/02/08	6.2
63026	12/29/08	6.4
63026	02/19/07	5.4
63026	02/07/09	6.9
63026	02/09/08	1.6
63026	02/09/08	5.1
63026	02/13/09	6.3
63026	02/16/08	7.8
63026	03/24/08	1.2
63026	03/27/09	2.6
63026	03/30/09	6.1
63026	03/31/04	1.6
63026	04/05/08	2.5
63026	04/07/08	5
63026	04/17/08	1
63026	04/21/08	0.8
63026	04/27/06	5.8
63026	04/28/08	0.5
63026	02/23/09	< 0.3
63026	02/26/08	3.9
63026	02/28/09	2.2
63026	03/13/09	4.7
63026	03/21/09	1.4
63026	05/24/08	1.7
63026	05/27/08	11.4
63026	06/12/07	1.2
63026	07/07/08	4.8
63026	07/10/07	3.8
63026	07/17/06	0.8
63026	07/19/05	2.8
63026	07/25/08	1.1
63026	08/01/05	0.7
63026	08/11/08	1
63026	08/13/07	0.5
63026	08/18/08	2.2
63026	08/18/08	8.2
63026	09/02/08	1.5
63026	09/02/08	????
63026	09/05/08	1.5
63026	06/27/05	2.8
63026	06/30/08	2.0
63026	00/00/00	۷.۱

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

63026

07/01/08 9.4 05/09/06 < 0.3

Federal EPA Radon Zone for ST. LOUIS 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 Zip Code: 63026

Number of sites tested: 7

Area Average Activity % <4 pCi/L % 4-20 pCi/L % >20 pCi/L Not Reported Living Area - 1st Floor Not Reported Not Reported Not Reported Not Reported Living Area - 2nd Floor Not Reported Not Reported Not Reported Basement 1.943 pCi/L 86% 14% 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, 2010 and 2015 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 D: STATE AND FEDERAL RECORDS REVIEW



Missouri E-START Site/Facility Summary

This is an advisory about environmental conditions that could affect use of the property identified on the map below. Any property use limitations are intended to ensure safe use of the property after the cleanup of contamination in the soil and/or groundwater. This advisory identifies the governmental agencies that oversaw the sites cleanup, and provides contacts for further information.

Although this map and its underlying data sets have been compiled by the Missouri Department of Natural Resources (Department), no warranty, expressed or implied, is made by the Department as to the accuracy of the data and related materials. The act of distribution shall not constitute any such warranty, and no responsibility is assumed by the Department in the use of these data or related materials.



Facility Closed Prior to Implementation of 2004 Tanks RBCA

Facility Identification Number ST0020753

Site/Facility Name RIVERSIDE GOLF CLUB

Address 1210 LARKIN WILLIAMS

City FENTON

Zip 63026

County ST LOUIS COUNTY

Facility Type Former Underground Storage Tank Facilities

Status Facility Closed Prior to Implementation of 2004 Tanks RBCA

Summary A petroleum or hazardous substance storage tank closure or regulated

release was addressed prior to the adoption of the 2004 Missouri Risk-Based Corrective Action Guidance for Petroleum Storage Tanks. An

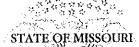
evaluation found that no further action was warran

Contaminants of Concern Remaining On-Site Petroleum constituents

Lead Regulatory Agency DNR/Hazardous Waste Program/Tanks Section

Contact Information Long-Term Stewardship Unit

To report a problem with information about a site location, please contact us at LTS@dnr.mo.gov, (573) 526-8913, or (800) 361-4827.



Bob Holden, Governor • Stephen M. Mahfood, Director

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF ENVIRONMENTAL QUALITY P.O. Box 176 Jefferson City, MO 65102-0176

DEC 0 4 2001

Mr. J. Walter Wolfner, Jr. 1210 Larkin Williams Fenton, MO 63026

RE: Riverside Golf Club, 1210 Larkin Williams, Fenton, St. Louis County, MO - ST0020753 Closure on One 1,000-Gallon Gasoline Underground Storage Tank (UST)

Dear Mr. Wolfner:

The Missouri Department of Natural Resources' Hazardous Waste Program, Tanks Section, received a response dated September 30, 2001, from Bingham Resources, Incorporated, regarding the above referenced facility. The response adequately addresses the items listed in the department's August 30, 2001, letter.

Based upon a review of the analytical data and other information submitted, the department finds that no additional investigation or remediation is currently required with regard to petroleum substances. However, the department's finding is based solely on the information contained in the submitted information, and does not constitute a certification or guarantee of the quality of the remediation conducted or the lack of contamination on the property.

In the event a future petroleum related environmental problem arises in the vicinity of this property, the department may require responsible parties to conduct additional investigation and remediation.

Thank you for your efforts to comply with Missouri's UST Law and regulations. If you have questions regarding this letter, you may contact Mr. Kent Essner of my staff at (573) 751-6822.

Sincerely,

HAZARDOUS WASTE PROGRAM

William J. Wilder, Chief

Closure Unit

WJW:kes

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Petroleum Storage Tank Insurance Fund St. Louis Regional Office

Environmental Services Incident Data

Detail Information for Incident Number: 0601211200LJL

Discovery Date:	2006-01-21
Discovery Time:	12:00:00
Call Date:	2006-01-21
Call Time:	12:00:00
Incident Date:	
Incident Time:	
Location:	1210 Larkin Williams Road
City:	Fenton
County:	St. Louis
State:	MO
Regional Office:	SLRO
Potential Responsible Party:	Unknown
Potential Responsible Party Contact:	Unknown
Cause:	Seepage/Leachate
Cause Sub-Category:	Unknown/Other
Property Use:	Water/Waterway/Marina
Property Use Sub-Category:	Unknown/Other
Collection Station:	
Latitude:	38.5308418273926
Longitude:	-90.4369125366211
GPS Method:	GPS - Static Mode

UTM Northing:	4267829.60151
UTM Easting:	723417.52133
UTM Zone:	15
UTM EPE:	NO
Petroleum Storage Tank Insurance Fund:	NO
Household Hazardous Waste:	NO
Chemical Pickup:	NO
Continuous Release:	NO
Historic Release:	NO
Hazardous Substance Declaration Issued:	NO
Email:	YES
Issuer:	
Issue Date:	
Issue Time:	

Chemicals associated with this incident:

For additional information concerning this incident, please submit an opens record request to the Department's Custodian of Records. The Custodian of Records may be reached at 573-751-3443 or by email at custodianofrecord@dnr.mo.gov (mailto:custodianofrecord@dnr.mo.gov) or visit https://dnr.mo.gov/sunshinerequests.htm (https://dnr.mo.gov/sunshinerequests.htm)



Missouri E-START Site/Facility Summary

This is an advisory about environmental conditions that could affect use of the property identified on the map below. Any property use limitations are intended to ensure safe use of the property after the cleanup of contamination in the soil and/or groundwater. This advisory identifies the governmental agencies that oversaw the sites cleanup, and provides contacts for further information.

Although this map and its underlying data sets have been compiled by the Missouri Department of Natural Resources (Department), no warranty, expressed or implied, is made by the Department as to the accuracy of the data and related materials. The act of distribution shall not constitute any such warranty, and no responsibility is assumed by the Department in the use of these data or related materials.



No Further Action Letter Issued with

Facility Identification Number ST0001103

Release Identification Number(s) R003909 Inactive

Site/Facility Name MIKE'S AUTO REPAIR

Address 64 GRAVOIS RD

City FENTON

Zip 63026

County ST LOUIS COUNTY

Facility Type Former Underground Storage Tank Facilities

Status No Further Action Letter Issued with Restriction

Summary A petroleum or hazardous substance storage tank closure or regulated release was addressed under the Missouri Risk-Based Corrective Action Guidance for Petroleum Storage Tanks. Evaluation of environmental media found that concentrations of any remaining contaminants, if present, do not pose an unacceptable risk to human health or the environment provided that Activity & Use Limitations applied to this property remain in place. Please review the Department of Natural Resources site file for more information.

Contaminants of Concern Remaining On-Site Petroleum constituents

Lead Regulatory Agency DNR/Hazardous Waste Program/Tanks Section

Contact Information Long-Term Stewardship Unit

To report a problem with information about a site location, please contact us at LTS@dnr.mo.gov, (573) 526-8913, or (800) 361-4827.

DEPARTMENT OF NATURAL RESOURCES

www.dnr.mo.gov

JUN 9 2006

Mr. Dennis Brannan Marine Motorsports 64 Gravois Road Fenton, MO 63026

No Further Remedial Action Letter

RE: Former Mike's Auto Repair/Thompson Amoco, 64 Gravois Road, Fenton, St. Louis County, MO - ST0001103, R0003909

St. Louis County, WO - ST 0001103, R000.

Dear Mr. Brannan:

Congratulations on the completion of this remediation project! We thank you for your efforts to responsibly address this petroleum release.

The Missouri Department of Natural Resources' Hazardous Waste Program, Tanks Section, has reviewed the Tier 1 risk assessment report dated February 20, 2006, and the groundwater monitoring report dated April 26, 2006, submitted by Bingham Resources Incorporated for the site referenced above. The reports evaluate the risks to human health and the environment from one or more petroleum release(s) and summarize corrective actions taken to address those risks.

Based upon a review of the site information and these reports, the department has determined that "No Further Remedial Action" is required related to the chemicals of concern identified in the environmental site assessment reports. This determination is based on the stipulated non-residential use of the property.

Please be aware that 10 CSR 20-10.068(3)(B) provides: "if subsequent information becomes available to indicate that contamination may be present at the site at levels which may threaten human health or the environment, the department may require additional investigation or site characterization and/or corrective action."

The file for this site is maintained by the department's Hazardous Waste Program, 1738 East Elm Street, Jefferson City, Missouri 65101. To view this file or obtain copies, please contact our Records Center at (573) 751-3043.

All monitoring wells associated with the site must be closed in accordance with well construction and abandonment regulations (10 CSR 23-4.080). If you have any questions regarding well abandonment, please contact Mr. Matthew Parker with the Wellhead Protection Program at (573) 368-2165.

Please direct questions regarding the Petroleum Storage Tank Insurance Fund to the Fund Administrator at (573) 761-4060 or (800) 765-2765.

Mr. Dennis Brannan Page Two

Again, we appreciate your efforts to address contamination at this site and for helping to protect our valuable natural resources. If you have any questions regarding this letter, please contact Mr. Hashim Mukhtar at the Hazardous Waste Program, P.O. Box 176, Jefferson City, Missouri 65102-0176, or at (573) 751-6822.

Sincerely,

HAZARDOUS WASTE PROGRAM

Ken Koon, Chief Tanks Section

KK: hml

c: Mr. Matthew Parker, Water Pollution Control Program Mr. Russell D. Pate, Geologist, Bingham Resources Inc. Petroleum Storage Tank Insurance Fund An official website of the United States government

MAIN MENU

Search EPA.gov

EPA in Missouri

CONTACT US https://epa.gov/mo/forms/contact-us-about-epa-missouri

Southwest Jefferson County Mining National Priority List (NPL) Superfund Site, Jefferson County, Missouri - Fact Sheet, January 2020

Open House/Public Availability Session Announcement and Site Update

Free Lead Testing for Residential Yards and Private Drinking Water Wells – Big River

EPA OPEN HOUSE ANNOUNCEMENT

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The U.S. Environmental Protection Agency (EPA) Region 7 is hosting an **Open House/Public Availability Session** for the Southwest Jefferson County Mining National Priorities List (NPL) Superfund Site (site). EPA and partner agency representatives will be available to meet with residents starting at 6:30 p.m. in an open house format. At 7:00 p.m., EPA will provide a site update presentation, after which EPA and its partners will resume meeting with residents at informational tables until 8:30 p.m. in the open house format.

The public is welcome to attend any part of the two-hour session, which will be held:

Thursday, Jan. 23, 2020 6:30 to 8:30 p.m. Hillsboro Community Civic Center (Jefferson County Fairgrounds) 10349 Highway 21 Hillsboro, MO 63050

EPA is committed to providing reasonable accommodations to individuals with disabilities. For a reasonable accommodation at the Open House/Public Availability Session, please contact Jonathan Cooper by email at: cooper.jonathan@epa.gov.

BACKGROUND AND SITE UPDATE

The Southwest Jefferson County Mining NPL Site is part of the Old Lead Belt in southeastern Missouri, which was one of the world's largest lead mining districts. (**See "Southeast Missouri" map below.**) Mining began in the early 1700s and produced more than 8 million tons of lead. Extensive lead mining, milling and smelting activities contaminated soil, sediment, surface water, and groundwater with elevated levels of heavy metals, primarily lead, prompting the need for state and EPA involvement.

https://epa.gov/sites/default/files/2017-10/semo_may2017_final.png

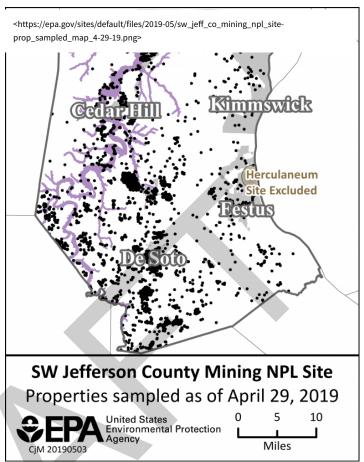
The Big River flows north through the Old Lead Belt. Large amounts of mine waste containing heavy metals were deposited into the Big River watershed as a result of these mining activities. Federal, state and local agencies are working together to protect public health. So

far, EPA has stabilized the major lead mining waste piles upstream of the river and floodplain and has initiated the cleanup of residential properties in many impacted areas of St. Francois, Washington and Jefferson Counties.

In Jefferson County, EPA has sampled over **4,700** residential yards for lead contamination, and over **1,000** yards have been cleaned up since work began in 2007. (See "Properties sampled" site map above.) Many more properties are eligible for remediation. EPA aims to sample as many residential and child high-use areas as possible for potential lead contamination. Residential properties also include child high-use areas such as child care facilities, parks and playgrounds.

EPA is asking residential property owners for access to conduct **free** lead contamination sampling (testing) of residential yard soils and private drinking water wells. If your residential property has been tested and is eligible for remediation [400 parts per million (ppm) lead or higher in soil], EPA's contractor will perform the cleanup for **free**.

In addition, approximately **1,275** private drinking water wells have been tested for elevated lead levels in the groundwater. EPA has provided bottled water to prevent residents from drinking elevated levels of lead in their well water. (See larger site map at the bottom.)



https://epa.gov/sites/default/files/2019-05/sw_jeff_co_mining_npl_site-prop_sampled_map_4-29-19.png

SEDIMENT AND SOIL IN THE BIG RIVER AND ITS FLOODPLAIN MAY HAVE HIGH LEVELS OF LEAD

If you own property along the Big River or within the Big River floodplain, EPA would like to conduct soil sampling (testing) on your property. Periodic flooding along the Big River can introduce contaminated river sediments to flooded properties. Even if you have had your property tested before, if your property has been flooded, it should be tested again.

To have your property sampled for potential lead contamination, please contact EPA's Contractor, Tetra Tech, at 636-797-8446 to initiate the process. EPA will coordinate sampling activities to minimize any inconvenience to you.

SAMPLE MATERIAL BEFORE MOVING IT OFF-SITE

EPA is working with landowners in this area that borrow soil, sand or gravel or grow sod to prevent the possible spread of contaminated materials, especially to residential properties. Spreading highly contaminated material [above 400 parts per million (ppm) lead] in residential areas could result in harmful exposure to others and could be a violation of federal law.

If you engage in moving materials that are potentially contaminated, either as a business or private citizen, and are not already sampling on a regular basis, we strongly suggest that you contact EPA (see contact below) to develop a sampling plan that will help protect you and others.

REMEDIAL INVESTIGATION, FEASIBILITY STUDY, AND FIVE-YEAR REVIEW

EPA is currently conducting a Remedial Investigation (RI) to determine the full extent of mining-related metals contamination in the Big River and Big River floodplain, and to evaluate human health and ecological risk. Along with the completion of the RI, EPA plans to finish a Feasibility Study (FS) to evaluate remediation alternatives. Upon completion of the RI/FS, EPA will issue a Proposed Plan that will describe the evaluated cleanup alternatives and the proposed remedy.

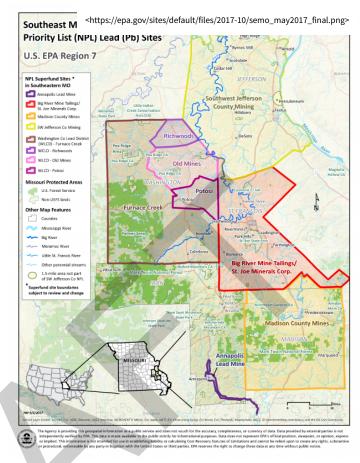
EPA has started the First Five-Year Review for the site. Five-Year Reviews provide an opportunity to evaluate the site remedy to determine whether it remains protective of human health and the environment. This Five-Year Review should be completed in June 2020.

ABOUT LEAD AND PUBLIC HEALTH

Lead exposure can cause a range of adverse health effects for children and adults, from lifelong behavioral disorders and learning disabilities to seizures. It is harmful if inhaled or swallowed. EPA classifies lead as a probable human carcinogen and is a cumulative toxicant.

Lead is particularly dangerous to children 7 years old and younger because their growing bodies absorb more lead than adults do, and their developing brains and nervous systems are more sensitive to the damaging effects of lead. Pregnant women and nursing mothers should avoid exposure to protect their children. It is important that children 7 years old and younger have their blood lead level tested annually. Talk to your child's doctor or local health agency to arrange for blood lead testing/screening.

You can contact the Jefferson County Health Department by phone at 636-797-3737, or at one of these locations: Hillsboro, 405 Main Street; Arnold, 1818 Lonedell Road; or High Ridge, 5684 State Road PP.



https://epa.gov/sites/default/files/2017-10/semo_may2017_final.png

PROTECT YOUR FAMILY FROM LEAD

In general, lead exposure can be reduced by:

- Washing hands after playing outside and before meals.
- Regularly cleaning floors, window sills, and other surfaces. Use a mop or sponge with warm water and general all-purpose cleaner. Thoroughly rinse sponges and mop heads often during cleaning of dirty or dusty areas, and again afterward.
- Regularly washing children's hands, bottles, pacifiers, stuffed animals, and toys. Keep play areas clean.
- Removing shoes or wiping soil from shoes before entering your home to avoid tracking in lead from soil.

EPA CONTACT INFORMATION

If you have questions, need additional information, and/or would like to receive site updates, contact EPA:

Elizabeth Kramer

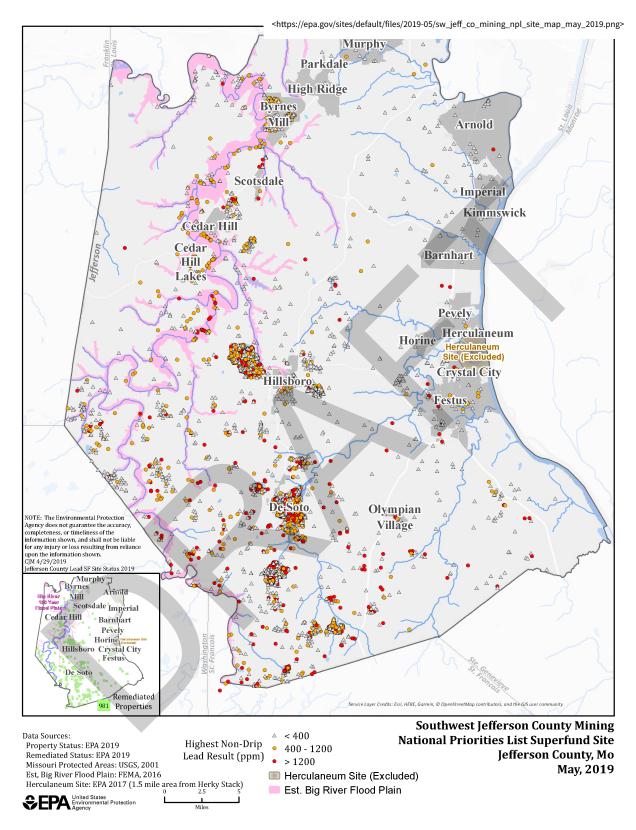
Community Engagement Specialist EPA Region 7 11201 Renner Boulevard Lenexa, KS 66219 Phone: 913-551-7186 Toll-free: 1-800-223-0425

Email: kramer.elizabeth@epa.gov

ONLINE RESOURCES

- Visit the Southwest Jefferson County Mining Site page https://epa.gov/superfund/southwestjeffersoncountymining-
- EPA posts Fact Sheets for Missouri cleanup sites online https://epa.gov/mo/missouri-cleanups
- CDC's Lead page 🗹 https://www.cdc.gov/nceh/lead/>
- EPA's Protect Your Family from Lead in Your Home https://epa.gov/lead/protect-your-family-lead-your-home
- EPA's Fight Lead Poisoning with a Healthy Diet https://epa.gov/lead/fight-lead-poisoning-healthy-diet
- EPA's Superfund Community Involvement page https://epa.gov/superfund/superfund-community-involvement with technical assistance resources
- Fact Sheet, July 2019: Free Lead Testing and Residential Cleanup Opportunity, Protect Public Health and Prevent Lead Poisoning; The Big River and Floodplain St. Francois, Jefferson and Washington Counties in Missouri https://epa.gov/mo/big-river-and-floodplain-st-francois-jefferson-and-washington-counties-missouri-fact-sheet-july
- Fact Sheet, May 2019: Lead Testing and Cleanup Opportunity, Residential Soils and Private Drinking Water Wells, Remedial Actions at the Site; Southwest Jefferson County Mining National Priority List (NPL) Superfund Site, Jefferson County, Missouri https://epa.gov/mo/southwest-jefferson-county-mining-national-priority-list-npl-superfund-site-jefferson-county-0

https://epa.gov/sites/default/files/2019-05/sw_jeff_co_mining_npl_site_map_may_2019.png



https://epa.gov/sites/default/files/2019-05/sw_jeff_co_mining_npl_site_map_may_2019.png

Contact Us https://epa.gov/mo/forms/contact-us-about-epa-missouri> to ask a question, provide feedback, or report a problem.



Missouri E-START Site/Facility Summary

This is an advisory about environmental conditions that could affect use of the property identified on the map below. Any property use limitations are intended to ensure safe use of the property after the cleanup of contamination in the soil and/or groundwater. This advisory identifies the governmental agencies that oversaw the sites cleaning, and provides contacts for further information.

Although this map and its underlying data sets have been compiled by the Missouri Department of Natural Resources (Department), no warranty, expressed or implied, is made by the Department as to the accuracy of the data and related materials. The act of distribution shall not constitute any such warranty, and no responsibility is assumed by the Department in the use of these data or related materials.



ENVIRONMENTAL NOTICE SITE AREA - Approximate area that

comprises the site or permitted facility

Site/Facility Name Chrysler Dump

Address 478 South Highway 141

City Fenton

Zip 63026-4026

County St. Louis

Site Status Environmental Notice

Site Background/History The Chrysler Dump site is located in the southeastern portion of St. Louis County, Missouri on the eastern side of Old South Highway 141. This site consists of a residential property that had hardened paint waste deposited in barrels and poured out as sludge in an old creek bed parallel to an intermittent tributary of Fenton Creek. The origin of the paint waste was alleged to be the dip tanks at the Chrysler Motors plant in Fenton. The exact dates are unknown, but dumping reportedly occurred for a period of at least five years between 1957 and 1967. The Chrysler Motors plant was identified as a generator of ignitable, toxic, and listed hazardous waste in 1980, in order to comply with Missouri Hazardous Waste Management Regulations. The site was placed on the United States Environmental Protection Agency's (EPA) Comprehensive Environmental Response, Compensation, and Liability Information System in 1993, due to soil and groundwater contamination.

Site Cleanup Summary The potentially responsible parties (PRPs) entered into a Consent Decree with the EPA in September 1998, requiring the defendants to pay \$2.55 million into a Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) special account, to be used to reimburse EPA's cleanup cost, and \$52,000 for natural resource damages. Cleanup began in early 1997, which consisted of excavating and disposing of the solid waste and drums; placement of eighteen inches of a clean, compacted clay soil liner over the affected area; and the placement six inches of vegetated topsoil over the clay liner.

Document Links CONSENT DECREE

Lead Regulatory Agency DNR/Hazardous Waste Program/Superfund Section

Contact Information Long-Term Stewardship Unit



Missouri E-START Site/Facility Summary

This is an advisory about environmental conditions that could affect use of the property identified on the map below. Any property use limitations are intended to ensure safe use of the property after the cleanup of contamination in the soil and/or groundwater. This advisory identifies the governmental agencies that oversaw the sites cleanup, and provides contacts for further information.

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Facility Identification Number ST0002522

Release Identification Number(s) R001616 Inactive

Site/Facility Name SOUTHWESTERN BELL

Address 211 GRAVIOS

City FENTON

Zip 63026

County ST LOUIS COUNTY

Facility Type Former Underground Storage Tank Facilities

Status Facility Closed Prior to Implementation of 2004 Tanks RBCA

Summary A petroleum or hazardous substance storage tank closure or regulated release was addressed prior to the adoption of the 2004 Missouri Risk-Based Corrective Action Guidance for Petroleum Storage Tanks. An

evaluation found that no further action was warran

Contaminants of Concern Remaining On-Site Petroleum constituents

Lead Regulatory Agency DNR/Hazardous Waste Program/Tanks Section

Contact Information Long-Term Stewardship Unit

To report a problem with information about a site location, please contact us at LTS@dnr.mo.gov, (573) 526-8913, or (800) 361-4827.

JOHN ASHCROFT Governor

G. TRACY MEHAN III

Director

STATE OF MISSOURI DEPARTMENT OF NATURAL RESOURCES

Division of Energy Division of Environmental Quality Division of Geology and Land Survey Division of Management Services Division of Parks, Recreation, and Historic Preservation

DIVISION OF ENVIRONMENTAL QUALITY

P.O. Box 176 Jefferson City, MO 65102

September 6, 1990

Mr. Steven Beck The Stocker Construction Company 7712 Big Bend Blvd. Shrewsbury, MO 63119

RE: Southwestern Bell - Gravois, Fenton, MO, LSP Reference #8015

Dear Mr. Beck:

The Missouri Department of Natural Resources (MDNR) has received and reviewed the following technical reports and site assessments concerning the subject property:

August 31, 1990 - Supplementary Closure Information August 10, 1990 - Closure Report - Supplementary May 15, 1990 - Closure Report February 5, 1990 - Notice of Removal

Based upon a review of the analytical data and other information contained in the foregoing documents, MDNR finds that no additional investigation or remedial action is warranted at the present time with respect to those substances listed in the foregoing documents. However, MDNR's finding is based solely on the information contained in these reports, and this finding does not in any manner constitute a certification or guarantee with regard to the quality of the remedial action conducted or with regard to the lack of contamination on the property.

In the event a future petroleum-related environmental problem arises in the vicinity of the subject property, MDNR expressly reserves the right to require responsible parties to conduct additional investigation and/or remedial actions.

If you have any questions, please do not hesitate to contact me at 314/751-7929.

Very truly yours,

DIVISION/OF ENVIRONMENTAL QUALITY

Environmental Emergency Specialist

Laboratory Services Program

LPC:dlf

cc: Gordon Ackley, Planner, Water Pollution Control Program

Environmental Services Incident Data

Detail Information for Incident Number: 0107271125ADC

Discovery Date:	2001-07-27
Discovery Time:	
Call Date:	2001-07-27
Call Time:	11:25:00
Incident Date:	
Incident Time:	
Location:	227 FERRY Street
City:	Fenton
County:	St. Louis
State:	МО
Regional Office:	SLRO
Potential Responsible Party:	Professional Floors
Potential Responsible Party Contact:	Erich Abraham
Cause:	Improper Disposal
Cause Sub-Category:	
Property Use:	Other - Fixed Facility
Property Use Sub-Category:	
Collection Station:	
Latitude:	38.513427734375
Longitude:	-90.4377975463867
GPS Method:	Address Matching - Other Address Matching

UTM Northing:	4265894.90751971
UTM Easting:	723394.005243227
UTM Zone:	15
UTM EPE:	NO
Petroleum Storage Tank Insurance Fund:	NO
Household Hazardous Waste:	NO
Chemical Pickup:	NO
Continuous Release:	NO
Historic Release:	NO
Hazardous Substance Declaration Issued:	NO
Email:	NO
Issuer:	
Issue Date:	
Issue Time:	

Chemicals associated with this incident:

For additional information concerning this incident, please submit an opens record request to the Department's Custodian of Records. The Custodian of Records may be reached at 573-751-3443 or by email at custodianofrecord@dnr.mo.gov (mailto:custodianofrecord@dnr.mo.gov) or visit https://dnr.mo.gov/sunshinerequests.htm (https://dnr.mo.gov/sunshinerequests.htm)

APPENDIX E: QUESTIONNAIRE RESPONSES

From: Walter Wolfner

To: Skrabacz, Michael D CIV USARMY CEMVS (USA)

Subject: Re: [Non-DoD Source] Re: USACE ESA_1210 Larkin Williams Rd.

Date: Friday, November 10, 2023 7:46:19 AM

Hi Mike,

If my clubhouse is on a fourteen-foot foundation and my maintenace building is indestructible what would the benefit be for us to participate in this study?

Thanks,

Walter

On Wednesday, November 8, 2023 at 07:09:03 AM CST, Skrabacz, Michael D CIV USARMY CEMVS (USA) <michael.d.skrabacz@usace.army.mil> wrote:

Good Morning Walter,

I reached out and got some answers for you -

For dry floodproofing it is essentially installing a membrane around the outside of the structure up to 3 feet so that water can't get in and damage the structure and contents. This method requires the use of flood barriers in the doors prior to the flood occurring so that the whole structure has a barrier.

I also learned that wet floodproofing could also be considered for this property – it all depends on the structures specific details and we are still early on in the planning process for this project. Here is a definition of wet floodproofing:

For wet floodproofing, we would be putting epoxy on the floor and a membrane on the inside of the wall so that water can be allowed to enter and exit freely. Also the utilities and outlets are elevated to be out of the floodway. This method is passive in the sense that it protects the structure without the owner having to do anything. However, the contents will have to be either moved or elevated in the event of a flood.

Respectfully,

Mike Skrabacz

Environmental Specialist

U.S. Army Corps of Engineers

Mobile: 314-978-3726

From: Walter Wolfner <wolfdogw@sbcglobal.net> Sent: Tuesday, November 7, 2023 10:09 AM To: Skrabacz, Michael D CIV USARMY CEMVS (USA) <michael.d.skrabacz@usace.army.mil> Subject: Re: [Non-DoD Source] Re: USACE ESA_1210 Larkin Williams Rd.</michael.d.skrabacz@usace.army.mil></wolfdogw@sbcglobal.net>
Hi Mike,
What is the definition of "Dry Flood Proofing)?
Thanks,
Walter
On Monday, November 6, 2023 at 10:40:10 AM CST, Skrabacz, Michael D CIV USARMY CEMVS (USA) michael.d.skrabacz@usace.army.mil wrote:
Great, thanks Walter. Let me know if you have any questions on the questionnaire.
-Mike
From: Walter Wolfner < wolfdogw@sbcglobal.net >

To: Skrabacz, Michael D CIV USARMY CEMVS (USA) < Michael.D.Skrabacz@usace.army.mil>

Subject: [Non-DoD Source] Re: USACE ESA_1210 Larkin Williams Rd.

Hi Mike,

Sent: Monday, November 6, 2023 10:25 AM

The was was located on the north west corner of my small maintenance building.

On Monday, November 6, 2023 at 10:15:42 AM CST, Skrabacz, Michael D CIV USARMY CEMVS (USA) < michael.d.skrabacz@usace.army.mil wrote:

Good Morning Mr. Wolfner,

As discussed during our phone call on October 25th, the U.S. Army Corps of Engineers is looking at different properties within the City of Fenton to potentially install dry-floodproofing measures for flood mitigation. Attached you will find the aforementioned questionnaire for the Environmental Site Assessment (ESA).

One additional question I had for this property – doing a public record search, I saw that there was an Underground Storage Tank (UST) removed back in 2001 and a No Further Action letter was issued by MDNR the same year – can you tell me where the UST was located?

Thank you, please let me know if you have any questions.

Respectfully,

Mike Skrabacz

Environmental Specialist

U.S. Army Corps of Engineers

Mobile: 314-978-3726

Michael.D.Skrabacz@usace.army.mil

CAP Section 205 Flood Risk Management Study City of Fenton, Missouri Appendix E – Cost Estimates

December 2023



Basis of Estimate

Costs were developed based off the original square footage of which was converted into perimeter based off the number off floors for each structure and those floors' specific square footage. These costs were analyzed based off the 50%, 20%, 10%, 4%, 2%, 1%, 0.5%, and 0.2% AEP flood depths and foundation heights/type. Costs include Mobilization/Demobilization (percentage based of the total Mitigation costs for each event), Nonstructural Mitigation (Wet Floodproofing, Filling Basements/Crawl Spaces, and Elevating structures when and where applicable), 73% Contingency, Planning Engineering and Design (15% of overall nonstructural Mitigation costs including contingency), Construction Management (10% of overall nonstructural Mitigation costs including contingency), and Real Estate.

Cost estimates were developed using the USACE River Des Peres, University City General Reevaluation Report Flood Risk Management study FY 23 nonstructural parametric costs, any escalation of these costs are included in the contingencies. These cost estimates were developed in October 2023, at a price level of October 2022. Wet floodproofing costs include installing flood vents for each structure to allow water to enter, epoxying flooring/walls, relocating electrical outlets, filling/relocating utilities when applicable, and elevating residential structures when applicable. Basements and crawl spaces will also be filled where applicable based off SF/floor, as said when applicable. Cost estimates developed of acquisition of a structure include the building and foundation demolition and site restoration such as grading, where applicable. Real estate costs are included in each of the nonstructural recommendation estimated total costs. All cost estimates include the present year with past events combined (for example, the 1% AEP costs include the 1% AEP year along with the 2%, 4%, 10%, 20%, and 50% events).

<u>Alternatives</u>

Non-Structural Mitigation Class 4 Cost Estimate – 500 Year Flood Event

DESCRIPTION	ESTIMATED AMOUNT
Mobilization/Demobilization	\$1,830,000
Non-Structural Mitigation - 0.2% AEP	\$73,374,308
ARA Contigency (73%)	\$54,900,000
PED (15%)	\$19,240,000
S&A (10%)	\$12,830,000
Real Estate	\$603,750
Total	\$163,000,000

Non-Structural Mitigation Class 4 Cost Estimate – 200 Year Flood Event

DESCRIPTION	ESTIMATED AMOUNT
Mobilization/Demobilization	\$1,630,000
Non-Structural Mitigation - 0.5% AEP	\$54,421,491
ARA Contigency (73%)	\$40,900,000
PED (15%)	\$14,300,000
S&A (10%)	\$9,530,000
Real Estate	\$472,500
Total	\$121,000,000

Non-Structural Mitigation Class 4 Cost Estimate – 100 Year Flood Event

DESCRIPTION	ESTIMATED AMOUNT
Mobilization/Demobilization	\$1,150,000
Non-Structural Mitigation - 1% AEP	\$38,270,636
ARA Contigency (73%)	\$28,800,000
PED (15%)	\$10,060,000
S&A (10%)	\$6,710,000
Real Estate	\$472,500
Total	\$85,500,000

Non-Structural Mitigation Class 4 Cost Estimate – 50 Year Flood Event

ESTIMATED AMOUNT
\$845,000
\$10,567,570
\$8,330,000
\$2,830,000
\$1,890,000
\$917,995
\$25,400,000

Non-Structural Mitigation Class 4 Cost Estimate – 25 Year Flood Event

DESCRIPTION	ESTIMATED AMOUNT
Mobilization/Demobilization	\$130,000
Non-Structural Mitigation - 4% AEP	\$1,296,205
ARA Contigency (73%)	\$1,041,000
PED (15%)	\$350,581
S&A (10%)	\$233,721
Real Estate	\$346,582
Total	\$3,400,000

Non-Structural Mitigation Class 4 Cost Estimate – 10 Year Flood Event

ESTIMATED AMOUNT
\$51,300
\$341,864
\$287,000
\$94,300
¢62.006
\$62,886
\$91,875
\$31,673
\$929,000

Non-Structural Mitigation Class 4 Cost Estimate – 5 Year Flood Event

DESCRIPTION	ESTIMATED AMOUNT
Mobilization/Demobilization	\$12,000
Non-Structural Mitigation - 20% AEP	\$60,886
ARA Contigency (73%)	\$53,000
PED (15%)	\$17,083
S&A (10%)	\$11,389
Real Estate	\$13,125
Total	\$167,500

Non-Structural Mitigation Class 4 Cost Estimate – 2 Year Flood Event

DESCRIPTION	ESTIMATED AMOUNT
Mobilization/Demobilization	\$0
Non-Structural Mitigation - 50% AEP	\$0
ARA Contigency (73%)	\$0
PED (15%)	\$0
S&A (10%)	\$0
Real Estate	\$0
Total	\$0

<u>Tentatively Selected Plan – 10% and 4% AEP Events – Alternative 3</u>

The Tentatively Selected Plan is broken out by Reach where Reach 5 at the 4% AEP Event also includes costs from the 10% AEP Event for Alternative 3. This is also for Reach 8 at the 10% AEP Event which also includes costs from the 20% AEP Event as well. These costs, like the alternatives, also include Costs include Mobilization/Demobilization (percentage based of the total Mitigation costs for each event), Nonstructural Mitigation (Wet Floodproofing, Filling Basements/Crawl Spaces, and Elevating structures when and where applicable), 73% Contingency, Planning Engineering and Design (15% of overall nonstructural Mitigation costs including contingency + \$12,500 for Federal Real Estate Oversight), Construction Management (10% of overall nonstructural Mitigation costs including contingency), and Real Estate (this costs \$438,000 as show in the tables, with an additional \$20,000 for Federal RE Oversight and a \$5,000 Contingency of which is included in PED). Reach 5 4% AEP Event costs \$3,092,000 and Reach 8 10% AEP Event costs \$257,000 and with the summation of these total costs, this computes a grand total of \$3,349,000.

Non-Structural Mitigation Class 4 Cost Estimate – Reach 5 4% AEP Event

DESCRIPTION	ESTIMATED AMOUNT
Mobilization/Demobilization	\$113,000
Non-Structural Mitigation - 4% AEP	\$1,134,000
ARA Contigency (73%)	\$910,000
PED (15%) + Real Estate Oversight	\$319,100
S&A (10%)	\$204,000
Real Estate	\$412,207
Total	\$3,092,000

Non-Structural Mitigation Class 4 Cost Estimate - Reach 8 10% AEP Event

DESCRIPTION ESTIMATED AMO	TNU
	•
Mobilization/Demobilization \$13	3,300
Non-Structural Mitigation - 10% AEP \$88	3,900
ARA Contigency (73%) \$75	5,000
PED (15%) + Real Estate Oversight \$37	7,100
S&A (10%) \$16	5,390
Real Estate \$26	5,250
Total \$257	,000

CAP Section 205 Flood Risk Management Study City of Fenton, Missouri Appendix F – Economics

December 2023



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1 BACKGROUND INFORMATION

1.1 INTRODUCTION

This appendix presents an economic evaluation of the flood risk management alternatives for the Fenton, Missouri Section 205 Feasibility Study. The evaluation area is defined by the 0.2% annual exceedance probability event floodplain in the City of Fenton, which is fully within St. Louis County. It was prepared in accordance with Engineering Regulation (ER) 1105-2-100, Planning Guidance Notebook, and ER 1105-2-101, Planning Guidance, Risk Analysis for Flood Damage Reduction Studies. The National Economic Development Procedures Manual for Flood Risk Management and Coastal Storm Risk Management, prepared by the Water Resources Support Center, Institute for Water Resources, was also used as a reference, along with the User's Manual for the Hydrologic Engineering Center Flood Damage Analysis Model (HEC-FDA).

The economic appendix consists of a description of the methodology used to determine National Economic Development (NED) damages and benefits under existing conditions. The project costs were provided by Engineering Division. All damages and costs are at 2023 price levels and were annualized using the fiscal year (FY) 2020 Federal discount rate of 2.5% and a period of analysis of 50 years with the year 2026 as the base year. The expected annual damage and benefit estimates were compared to the annual construction costs and the associated OMRR&R costs for each of the project alternatives.

1.2 NED BENEFIT CATEGORIES CONSIDERED

The NED procedure manuals recognize four primary categories of benefits for flood risk management measures: inundation reduction, intensification, location, and employment benefits. The majority of the benefits attributable to a project alternative generally result from the reduction of actual or potential damages caused by inundation. Inundation reduction includes the reduction of physical damages to structures, contents, and vehicles.

PHYSICAL FLOOD DAMAGE REDUCTION. Physical flood damage reduction benefits include the decrease in potential damages to residential and commercial structures, their contents, and the privately owned vehicles associated with these structures.

2 DESCRIPTION OF THE STUDY AREA

2.1 GEOGRAPHIC LOCATION

The City of Fenton, located in St. Louis County just south-west of St. Louis' city proper, in Missouri, has an area of approximately 6.5 square miles. Principle modes of transport include the Burlington Northern rail line, state highway 50/Interstate 44 running East/West, and state highway 30 running East/West.

To assist with the economic benefit analysis for without-project and with-project alternative plans, and to better identify potential project areas that could be economically justified, the study area was divided into eight nonstructural aggregation groups which from now on will be called reaches.

These settings were used to calculate flood damages using version 1.4.3 of the HEC-FDA certified model. Figure 1 shows the structure inventory and the eight economic reach boundaries of the study area.

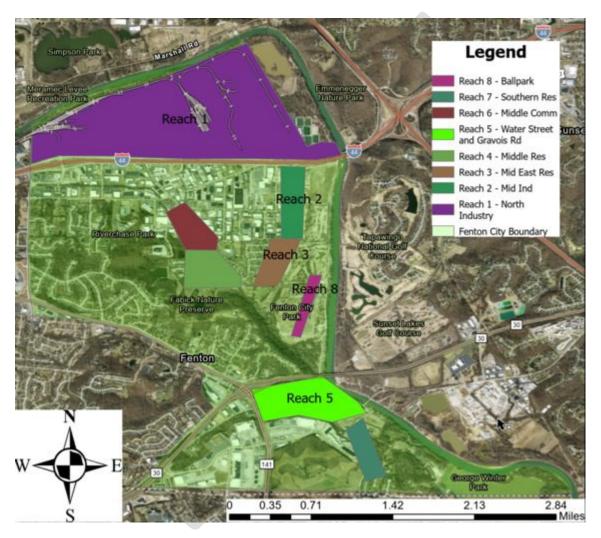


Figure 1: Economic Reach Boundaries

The without-project future conditions in Fenton are assumed to be consistent with existing condition conditions. Substantial amounts of additional residential and commercial development within the floodplain appears unlikely since zoning regulations require compliance with flood insurance and management policies and the area is already well-developed. However, expanding local industries and a growing population indicate that the business, civic, and community activity will remain within the floodplain.

2.2 LAND USE

Fenton is a city within St. Louis County, Missouri. The city itself is largely developed and contains a mixture of residential, commercial, and industrial buildings. The northern portion of the city is a large industrial and logistics hub containing several large warehouses and factories as well as a railyard with which businesses ship goods. Structures closer to the Meramec tend to be commercial and industrial with residential areas being in the western section of the city, further away from the Meramec. It is expected that most structures within the floodplain will continue to be maintained and used in the foreseeable future.

It is also expected that development will continue to occur in the study area with or without a risk reduction system and will not conflict with Policy Guidance Letter 25 and EO 11988, which state that the primary objective of a flood risk reduction project is to lower risk to existing development, rather than to make undeveloped land available for more valuable uses. However, the overall growth rate is anticipated to be the same with or without the project in place. The City of Fenton is committed to enforcing development in compliance with FEMA floodplain regulations and will continue to do so with or without the project in place. Thus, the project will not induce development, but would rather reduce the risk of economic disruption and of the population being displaced after a major flood event.

2.3 SOCIOECONOMIC SETTING

The City of Fenton is located within St. Louis County, Missouri. The population in the study area has remained stable and is expected to continue to do so. According to the 2010 census, the population of Fenton was 4,022. The 2020 census showed a slight decrease to 3,989. Census population data specific to Fenton prior to 2010 was unavailable. Table 1 displays the population trend contextualizing population data on a statewide and also on a nationwide basis. The trends are analyzed from the year 1990 to the year 2020. The table indicates a population growth from all three levels. State and national levels have a higher growth rate, which can be explained by migration patterns. As seen in Table 2, the race of the population in this study area is predominantly white.

Table 1. Historic and Estimated Population (thousands)

Area	1990	2000	2010	2020
St. Louis County	995.20	1,016.20	998.95	1,004.13
Missouri	5,117	5,595	5,988	6,155
United States	248,709	281,421	307,745	331,449

Source: U.S. Census Bureau; Moody's Analytics (ECCA) Forecast

Table 2. Race of Population (%)

Area	White Alone	African American Alone	Asian Alone
Fenton	94.78	0.60	2.36
Missouri	77.01	11.37	2.17
United States	61.63	12.40	6.00

Source: U.S. Census Bureau

Table 3 displays the higher education levels in Fenton in context with the state and national levels. The table compares the percent of the population over the age of 25 in that area that holds a bachelor's degree or higher.

Table 3. Adult Population with Bachelor's Degree or Higher (%)

Area	2020
Fenton	43.0
Missouri	31.7
United States	37.9

Source: U.S. Census Bureau

As seen above, the city of Fenton has a higher percentage of adults holding four-year degrees or higher than both the state and national levels.

Table 4. Unemployment Rate (%)

Area	1990	2000	2010	2020
St. Louis County	4.5	3.0	8.9	6.4
Missouri	5.9	3.4	9.5	6.2
United States	5.6	4.0	9.6	8.1

Source: U.S. Bureau of Labor Statistics

Table 5. Income Per Capita (\$)

Area	1990	2000	2010	2020
St. Louis County	26,047	41,120	54,140	77,419
Missouri	17,920	27,941	37,118	52,112
United States	19,641	30,650	40,648	59,774

Source: U.S. Census Bureau; Moody's Analytics (ECCA) Forecast

According to the 2021 American Community Survey (ACS) from the U.S. Census Bureau, the city of Fenton has a median household income of \$97,356. While income per capita is a measure of the average income of a particular area per person, median household income

represents the very middle of a list of incomes. Half of households in Fenton earn above \$97,356 and half earn below. Specific per capita data at the city level was not available.

3 RECENT FLOOD HISTORY

The study area remains subject to periodic flood damages resulting from inundation of low-lying areas adjacent to the Meramec River. Fenton has a history of damage caused by flood events. A severe event in 2015 washed out roads, downed power lines, damaged infrastructure, and flooded basements. The state Department of Transportation also closed a 24-mile stretch of Interstate 44 with most of it underwater. An event in 2017 also saw significant portions of Interstate 44 flooded as well as homes and businesses inundated.

Fluvial flooding in the river basins may occur as a result of high precipitation storm events, the impacts of which can be exacerbated by meltwater from thawing snow and ice accumulation, and inopportune water releases from upstream.

Some areas that were not previously known to be subject to flooding were exposed as being at risk of damage from the recent floods in 2015 and 2017. Future Without Project conditions would likely result in a continuation of historic flood damage patterns, with some potential for additional risk of damage resulting from severe weather conditions.

4 ECONOMIC AND ENGINEERING INPUTS TO THE HEC-FDA MODEL

4.1 HEC-FDA MODEL

The Hydrologic Engineering Center Flood Damage Analysis (HEC-FDA) Version 1.4.3 Corpscertified model was used to calculate the damages and benefits for the Fenton study area. The economic and engineering inputs necessary for the model to calculate damages for the project base year (2026) include the existing condition structure inventory, contents-to-structure value ratios, foundation heights, ground elevations, depth-damage relationships, stage-probability relationships, and stage-flow relationships.

The uncertainty surrounding each of the economic and engineering variables was also entered into the model. Either a normal probability distribution (with a mean value and a standard deviation) or a triangular probability distribution (with a most likely, maximum, and minimum value) was entered into the model to quantify the uncertainty associated with the key economic variables. A normal probability distribution was entered into the model to quantify the uncertainty surrounding the first-floor elevations. Uncertainty values were generated based on an equivalent hydraulic record length of 50 years for the Meramec River. The flood damage analysis quantified without-project expected annual damages (EAD) and the with-project EAD for all alternatives.

4.2 ECONOMIC INPUTS TO THE HEC-FDA MODEL

Structure Inventory. The structural inventory survey was conducted in 2022, with depreciated replacement values estimated using a 2023 price level. A database of residential and nonresidential structures in the study area was compiled to assist in calculating flood damages. The structure inventory data was generated by a survey of the structures located within or near the 0.2% annual exceedance probability event floodplain, mostly obtained through Geographic Information Systems (GIS) mapping data for each vulnerable structure. To be classified as falling within the floodplain limits, only a portion of the polygon representing the structure had to fall within the geometry of the floodplain extents. The inventory categorized structures by type, main floor elevation, elevation of beginning flood damages, and identified the depreciated structure replacement value. Mapping elevations were expressed in feet and were based on horizontal datum NAD 1983 and vertical datum NAVD 1988. Table 6 outlines the data obtained for the structure inventory.

Table 6. Surveyed Structure Inventory Characteristics

Data Collected During Survey
Structure ID
Map Location
Structure Type/Damage Category
Size (Sq. Ft.)
Stories
Basement
Garages
Exterior
Build Quality
Condition
Reverence Elevation
First Floor Height
Depreciated Replacement Structure Value

The data collected was used to categorize the structure population into groups with common physical features. Data pertaining to structure usage, condition, size, and number of stories assisted in the structure value analysis. For each building, data was also gathered pertaining to

its damage potential including ground and main floor elevations, likely construction material, depreciation condition, and the presence of basements and garages. The final structure inventory identified 339 structures within the floodplain as having the potential to benefit from flood risk management measures.

An effort was made to ensure that structures were either built or substantially improved in compliance with U.S. legal Code: 33 U.S. Code § 2318 - Flood plain management. Table 7 shows the total number of residential, commercial, industrial and vehicles associated with residential units by study area reach.

Structure Category	Reach Name								
otractare category	1	2	3	4	5	6	7	8	Total
Residential	0	0	80	48	14	1	10	0	153
Industrial	62	17	2	0	24	7	0	4	116
Public	0	0	0	0	3	0	0	0	3
Commercial	17	4	0	0	43	1	0	0	65
Total	79	21	82	48	84	9	10	4	337

Table 7. Number of Structures by HEC-FDA Reach and Category

Structure Values. The structural depreciated replacement values were calculated for all structures using square foot costs. Baseline costs were taken from the 2023 book Square Foot Costs with RSMeans Data, an industry standard valuation reference. The square foot costs for residential finished living spaces and basements, plus unit costs for garages, used both economy quality and average quality baselines. Index calculations enabled residential values to be calculated for structures of varying scales. Non-residential and apartment structure valuation lookup tables were simplified by assigning typical square foot costs to a structure category, and then multiplying the baseline category cost by the structure's measured square footage. Depreciation tables from RSMeans were used for residential and non-residential structures. Characteristics gathered during the structure survey were used to determine which RSMeans depreciation category the structure belonged in. Once the structures were categorized individually, the corresponding depreciation value was applied. Reference values were initially set to the 2023 price level. Calculated depreciated values were then adjusted for location using RSMeans location factors. Since the initial development, inventory values have been indexed to the 2023 price level using a more recent version of the same RSMeans book. To account for price level increases, the calculated depreciated replacement values were indexed up 3%. Once RSmeans 2024 is released for use, structure values will be updated with those values instead of RSmeans 2023 values being indexed.

In addition, the National Structure Inventory (NSI) uses slightly different occupancy types than *RSMeans*. As such, an effort was made to convert appropriate NSI occupancy types to an appropriate and respective *RSmeans* occupancy type for valuation. These converted occupancy types are what was used to calculate damages and benefits in HEC-FDA 1.4.3.

Table 8 shows the average depreciated replacement value by occupancy type. Tables 9 and 10 show the cumulative structure and content values by occupancy type and study area reach.

Table 8. Structure Inventory Depreciated Valuation by Occupancy Type

					Average
Category	Occupancy Type (NSI)	Occupancy Type (RSMeans/HEC-FDA)	Occupancy Description	Number of Structures	Average Depreciated Replacement Value (Thousands, Indexed 2023 Price Level)
	RES1- 1SNB	RES1-1SNB	One Story without Basement	4	\$245.53
	RES1- 1SWB	RES1-1SWB	One Story with Basement	116	\$266.90
Residential	RES1- 2SWB	RES1-2SWB	Two Story with Basement	29	\$464.94
	RES3A	RES3A	Multi-family housing 2 units	2	\$503.66
	RES3B	RES3A	Multi-family housing 3-4 units	2	\$389.92
			Total Residential	153	\$308.59
	COM1	COM1	Average Retail	29	\$2,720.13
	COM2	IND4	Average Wholesale/Warehouse	75	\$4,437.95
Commercial	сомз	сомз	Average Personal & Repair Services	13	\$940.96
	COM5	COM7	Bank	6	\$1,690.85
	COM7	COM7	Average Medical Office	4	\$1,510.23
	COM8	COM8	Average Entertainment/Recreation	13	\$1,265.52
	IND1	IND2	Average Heavy Industrial	11	\$3,895.40
Industrial	IND2	IND4	Average Light Industrial	13	\$6,037.60
	IND6 IND4		Average Construction	17	\$1,988.90
	REL1	REL1	Church	1	\$1,808.03
Public	GOV1	GOV1	Average Government Services	1	\$2,677.58

	184	\$2,989.97			
	EDU1	EDU1	School	1	\$6,639.27

Table 9. Total FDA Structure Inventory Value (Thousands, Indexed 2023 Price Level) by Category Type and Study Area Reach

Structure Category	Reach Name								
Structure Category	1	2	3	4	5	6	7	8	Total
Residential	\$0	\$0	\$17,351	\$22,203	\$4,012	\$209	\$3,438	\$0	\$47,214
Industrial	\$415,044	\$30,628	\$150	\$0	\$14,544	\$26,490	\$0	\$1,140	\$487,996
Public	\$0	\$0	\$0	\$0	\$11,125	\$0	\$0	\$0	\$11,125
Commercial	\$72,393	\$9,930	\$0	\$0	\$41,078	\$352	\$0	\$0	\$123,754
Total	\$487,436	\$40,558	\$17,501	\$22,203	\$67,946	\$27,052	\$3,438	\$1,140	\$670,088

Table 10. Total FDA Content Value (Thousands, Indexed 2023 Price Level) by Category Type and Study Area Reach

Structure Category	Reach Name								
Structure Category	1	2	3	4	5	6	7	8	Total
Residential	\$0	\$0	\$17,351	\$22,203	\$2,441	\$209	\$3,438	\$0	\$45,643
Industrial	\$194,354	\$14,363	\$70	\$0	\$6,807	\$12,427	\$0	\$534	\$228,553
Public	\$0	\$0	\$0	\$0	\$1,344	\$0	\$0	\$0	\$1,344
Commercial	\$63,092	\$6,369	\$0	\$0	\$25,680	\$290	\$0	\$0	\$95,432
Total	\$257,446	\$20,732	\$17,421	\$22,203	\$34,573	\$12,927	\$3,438	\$534	\$370,973

Structure Value Uncertainty. The analysis recognizes that estimates of depreciated structure value based on survey inventories contain inherent uncertainty. *RSMeans* represents structure value uncertainty with a minimum percent error and a maximum percent error. Table 11 shows the uncertainty assigned to the depreciated structure values by occupancy type.

Table 11. Structure Uncertainty Parameters by Structure Category

Category	Occupancy	Occupancy Description	Structure Value Error (Min Error %)	Structure Value Error (Max Error %)
	RES1-1SNB	One Story without Basement	68.75	116.25
Residential	RES1-1SWB	One Story with Basement	68.75	116.25
Residential	RES1-2SWB	Two Story with Basement	68.75	116.25
	RES3A	Multi-family housing 2 units	68.75	116.25

	COM1	Average Retail	80	122.67
Commercial	сомз	Average Personal & Repair Services	80	122.67
Commercial	COM7	Average Medical Office	80	122.67
	COM8	Average Entertainment/Recreation	80	122.67
	IND2	Average Light Industrial	80	122.67
Industrial	IND4	Average Wholesale/Warehouse	80	122.67
	REL1	Church	80	122.67
Public	GOV1	Average Government Services	80	122.67
	EDU1	School	80	122.67

Content-to-Structure Value Ratios and Uncertainty. Residential and non-residential structure occupancies were assigned content-to-structure value ratios (CSVRs). For residential occupancies, EM 1110-2-1619 suggests that in lieu of better site-specific information, CSVRs based on large samples of Flood Insurance Administration (FIA) claims records can be used (Table 6-4 presented in EM 1110-2-1619). Most of the residential damage functions present content damage as 100% of structure value, and the CSVR was estimated to have a 10% coefficient of variation for residential functions.

Non-residential structures were assigned CSVRs and assigned triangular distributions that differed according to damage category and occupancy type. Minimum and maximum error margins were assigned as percentage increments and were individually adjusted for the relevant category and occupancy type. The CSVR percentage values and corresponding uncertainties for each of the residential and non-residential occupancies are shown in Table 12. All other non-residential CSVRs and corresponding uncertainties were developed were obtained via a panel of experts, based on the "Methods for Expert-Opinion Elicitation of Probabilities and Consequences for Corps Facilities" (IWR Report 00-R-10, 2000). The panel participants included experts such as appraisers, interior designers, insurance adjustors, and restoration and clean-up contractors along with representatives from FEMA, USACE, the Institute of Water Resources (IWR) and URS Corporation. 21 generic single-story business types (also known as prototypes) were selected by FEMA and USACE to represent nonresidential structure categories and their contents.

Table 12. Content-to-Structure Value Ratio (CSVR) Percentage and Uncertainty Standard Deviation (SD) Percentage by Occupancy

					CSVR Error	
Category	Occupancy Occupancy Description	CSVR (%)	Normal Distribution	Triangular Distribu		
				Standard Deviation (%)	Minimum Error (%)	Maximum Error (%)
	RES1-1SNB	One Story without Basement	100	0	0	0
Residential	RES1-1SWB	One Story with Basement	100	10	0	0
Residential	RES1-2SWB	Two Story with Basement	100	10	0	0
	RES3A	Multi-family housing 2 units	12.1	0	9.8	16.5
	COM1	Average Retail	87.5	0	72.5	94.5
Commercial	сомз	Average Personal & Repair Services	82.5	0	68	86.8
Commercial	COM7	Average Medical Office	69.2	0	60	75
	COM8	Average Entertainment/Recreation	31.1	0	25	36.5
	IND2	Average Light Industrial	47.2	0	38.9	55
Industrial	IND4	Average Wholesale/Warehouse	46.8	0	36.2	53.5
	REL1	Church	8.0	0	5.5	10.5
Public	GOV1	Average Government Services	26.7	0	20	30
	EDU1	School	7.3	0	5	10.5

First Floor Elevations and Uncertainty. First floor elevations are a combination of the ground elevation at the structure and the foundation height above ground. Topographical data based on Light Detection and Ranging (LiDAR) data using the NAVD 88 vertical datum were used to assign ground elevations to structures and vehicles in the study area. The assignment of ground elevations and the placement of structures were based on a digital elevation model (DEM). This ground elevation raster was obtained from the HEC-RAS hydraulic model to avoid continuity errors between the engineering and economic inputs. The ground elevation was added to the height of the foundation of the structure above the ground, which was gathered during the structure survey, in order to obtain the first-floor elevation of each structure in the

study area. First floor standard deviations are based on the samples obtained from Google Streetview windshield surveys and are calculated based on the observed structures in the inventory. Table 13 displays the average foundation heights and standard deviations by occupancy type.

Table 13. Average Foundation Height and First Floor Stage Uncertainty Standard Deviation (SD) by Structure Category

Category	Occupancy	Occupancy Description	Average Foundation Height	SD First Floor (feet)
	RES1- 1SNB	One Story without Basement	0.85	0.3
Residential	RES1- 1SWB	One Story with Basement	1.04	0.270
	RES1- 2SWB	Two Story with Basement	1.01	0.276
	RES3A	Multi-family housing 2 units	0.975	0.53
	COM1	Average Retail	0.55	0.6
Commercial	СОМЗ	Average Personal & Repair Services	0.57	0.69
	СОМ7	Average Medical Office	0.4	0.3
	COM8	Average Entertainment/Recreation	0.46	0.53
Industrial	IND2	Average Light Industrial	0.61	0.9
	IND4	Average Wholesale/Warehouse	0.45	0.6
	REL1	Church	0.5	0.0
Public	Public GOV1 Average Government Services		0.5	0.0
	EDU1	School	0.16	0.0

Depth-Damage Relationships. Depth-percent damage functions for structures and contents were applied to calculate floodwater damage. Residential damage functions are developed from EGM 01-03 generic depth-damage relationships and EGM 04-01 generic depth-damage relationships. Nonresidential damage functions are generic depth-damage functions that could be used to estimate potential damages to nonresidential structures and their contents. The DDFs were obtained via a panel of experts, based on the "Methods for Expert-Opinion Elicitation of Probabilities and Consequences for Corps Facilities" (IWR Report 00-R-10, 2000). The panel participants included experts such as appraisers, interior designers, insurance adjustors, and restoration and clean-up contractors along with representatives from FEMA, USACE, the Institute of Water Resources (IWR) and URS Corporation. 21 generic single-story business types (also known as prototypes) were selected by FEMA and USACE to represent

nonresidential structure categories and their contents. There was focus on pre-engineered construction types and engineered structure types when preparing the elicitation (Reinforced Concrete Frame, Masonry Bearing Walls, Fireproof Structural Steel Frame, and Mill Type Construction).

The expert-opinion elicitation process was used to derive estimates of the value of nonresidential contents in the established prototypes. The process also quantified damages to nonresidential structures and contents based on structure type and inundation depth. The resulting DDCs for each prototype represent an average of the values provided by the panelists.

Depth-damage relationships indicate the percentage of the total structure value that would be damaged at various depths of flooding. For residential structures, damage percentages were provided at each one-foot increment from 1 foot below the first floor elevation to 10 feet above the first floor elevation for the structural components and the content components. For non-residential structures, damage percentages were determined for each 0.50 foot increment from 1 foot below first floor elevation to 2 feet above first floor, and for each 1-foot increment from 2 feet to 10 feet above first floor elevation.

4.3 ENGINEERING INPUTS TO THE HEC-FDA MODEL

For the Fenton HEC-FDA model, an equivalent hydraulic record length of 50 years was assumed for the Meramec River. Water Surface Profiles (WSP) were generated with steady state hydraulic modeling of discharge flows. The Log Pearson type III analytical approach was applied to Meramec River frequency-discharge relationships for the representation of uncertainty in event frequencies. The frequency-discharge functions were then converted into the discharge-stage relationships (rating curves) using normal distributions of uncertainty. The discharge-stage functions were then related to depth-damage functions to derive the stage-damage relationships. All of the depth-damage function uncertainty distributions, for all occupancy types, followed either normal or triangular uncertainty distributions.

Stage-probability relationships were provided for the base year without-project conditions. Water surface profiles were provided for eight annual exceedance probability events: 50%, 20%, 10%, 5%, 2%, 1%, 0.5%, and 0.2%.

5 NATIONAL ECONOMIC DEVELOPMENT (NED) FLOOD DAMAGE AND BENEFIT CALCULATIONS

HEC-FDA Model Calculations. The HEC-FDA model version 1.4.3 was utilized to evaluate flood damages using risk-based analysis. Damages were reported for each of the 8 study area reaches. A range of possible values, with a maximum and a minimum value for each economic variable (first floor elevation, structure and content values, and depth-damage relationships), was entered into the HEC-FDA model to calculate the uncertainty or error surrounding the elevation-damage, or stage-damage, relationships. The model also used an equivalent record

length for each stream to determine the hydrologic uncertainty surrounding the stage-probability relationships.

The possible occurrences of each variable were derived through the use of Monte Carlo simulation, which used randomly selected numbers to simulate the values of the selected variables from within the established ranges and distributions. For each variable, a sampling technique was used to select from within the range of possible values. With each sample, or iteration, a different value was selected. The number of iterations performed affects the simulation execution time and the quality and accuracy of the results. This process was conducted simultaneously for each economic and hydrologic variable. The resulting mean value and probability distributions formed a comprehensive picture of all possible outcomes.

Stage-Damage Relationships with Uncertainty. The HEC-FDA model used the economic and engineering inputs to generate a stage-damage relationship for each structure category in each study area reach under base year conditions. The possible occurrences of each economic variable were derived through the use of Monte Carlo simulation. The sum of all sampled values was divided by the number of samples to yield the expected value for a specific simulation. A mean and standard deviation was automatically calculated for the damages at each stage.

Stage-Probability Relationships with Uncertainty. The HEC-FDA model used an equivalent record length of 50 years for each study area reach assigned to the Meramec River to generate a stage-probability relationship with uncertainty for the without-project through the use of analytical analysis with Log Pearson III Statistics. The model used the eight stage-probability events together with the equivalent record length to define the full range of the stage-probability functions by interpolating between the data points. Confidence bands surrounding the stages for each of the probability events were also provided.

Without-Project Expected Annual Damages. The model used Monte Carlo simulations to sample from the stage-probability curve with uncertainty. For each of the iterations within the simulation, stages were simultaneously selected for the entire range of probability events. The sum of all damage values divided by the number of iterations run by the model yielded the expected value, or mean damage value, with confidence bands for each probability event. The probability-damage relationships are integrated by weighting the damages corresponding to each magnitude of flooding (stage) by the percentage chance of exceedance (probability). From these weighted damages, the model determined the expected annual damages (EAD) with confidence bands (uncertainty). For the without-project alternative, the expected annual damages (EAD) were totaled for each study area reach to obtain the total without-project EAD under base year conditions.

Table 14 shows the number and type of structures that are damaged by each of annual exceedance probability events for the year 2026 under without-project conditions.

Table 14. Structures Damaged by Category and Probability Event

Annual Exceedance Probability 0.5 0.3 (AEP)	9 0.1	0.04	0.02	0.01	0.004	0.002
---	-------	------	------	------	-------	-------

Residential	0	0	1	3	4	12	32	73
Commercial	0	0	3	8	16	24	32	43
Industrial	0	1	5	7	17	45	53	71
Public	0	0	0	0	0	1	2	3
Total	0	1	9	18	37	82	119	190

Table 15 shows the without-project damages for the structure categories for each of the annual exceedance probability events for the year 2026.

Table 15. Expected Damages by Probability Event (2023 indexed price levels, thousands)

Structure	Annual Exceedance Probability (AEP)										
Category	0.5	0.2	0.1	0.04	0.02	0.01	0.004	0.002			
Residential	\$0	\$0	\$106	\$384	\$720	\$1,670	\$3,861	\$10,728			
Commercial	\$0	\$0	\$309	\$1,783	\$6,424	\$13,945	\$34,729	\$55,120			
Industrial	\$0	\$158	\$380	\$1,052	\$12,479	\$64,768	\$126,217	\$191,820			
Public	\$0	\$0	\$0	\$0	\$0	\$392	\$1,424	\$4,726			
Total	\$0	\$158	\$794	\$3,219	\$19,624	\$80,775	\$166,231	\$262,394			

Expected Annual Damages and Benefits for the Project Alternatives. The HEC-FDA model was used to calculate the 2026 expected annual damages for the final array of plans. In addition to the Without Project plan, the Tentatively Selected Plan includes nonstructural measures corresponding to flood risk reduction at the 0.1% AEP event for reach 8 and the 0.04% AEP event for Reach 5. These measures are wet floodproofing 13 non-residential structures and elevating one residential structure. Our initial assessment for plan selection was based upon specific floodplain AEP events and dry floodproofing. Due to the nature of the flooding in the area, the three-foot dry floodproofing risk reduction barrier was frequently rendered ineffective. That is, the buildings initially selected for dry floodproofing had flood depths in excess of 3 feet at relatively frequent events in which case the dry floodproofing barrier was no longer providing benefits. In exploring nonstructural measures for these structures, wet floodproofing was determined to be potentially more effective as it continues to provide benefits to the structure beyond 3 feet of flood depth. The difference being that our assumption for wet floodproofing is that contents would not be protected and would therefore remain as residual risk. Due to dry floodproofing being rendered ineffective above 3 feet of depth and wet floodproofing providing structure benefits up to eight feet combined with the nature of the flooding in the area, wet floodproofing was determined to be the more effective solution.

Iterating on our floodplain-based plan selection, we optimized our TSP to maximize net National Economic Development (NED) benefits for each reach. Table 16 shows the base year expected annual damages by plan and category.

Table 16. Expected Annual Damages by Plan and Category (2023 indexed price level, thousands)

	Plan					
Structure Category	Without	Tentatively Selected Plan				
Residential	\$188	\$140				
Commercial	\$1,003	\$822				
Industrial	\$1,151	\$1,049				
Public	\$71	\$71				
Total	\$2,414	\$2,082				

Table 17 shows the base year expected annual damages reduced by floodplain event and reach.

Table 17. Expected Annual Damages and Benefits by Plan and Reach (2023 indexed price level, thousands)

Damage	Tentati	vely Select	ed Plan
Reach Name	Total Without Project	Total With Project	Damage Reduced
1	\$742	\$742	\$0
2	\$79	\$79	\$0
3	\$54	\$54	\$0
4	\$29	\$29	\$0
5	\$1370	\$1080	\$290
6	\$32	\$32	\$0
7	\$10	\$10	\$0
8	\$95	\$53	\$42
Total	\$2,414	\$2,082	\$332

6 PROJECT COSTS OF THE NONSTRUCTURAL ALTERNATIVE PLANS EVALUATED

•

Annual Project Costs. The initial construction costs (first costs) were used to determine the interest during construction and gross investment cost at the end of the installation period (2025). The FY 2024 Federal interest rate of 2.75% was used to discount the costs to the base year and then amortize the costs over the 50-year period of analysis. Midyear discounting was used in the calculations.

The operations, maintenance, repair, rehabilitation, and replacement (OMRR&R) costs are considered to be the responsibility of the structure owner, as such they are not included in the calculations below. Table 18 shows a summary of the annualization of project costs by plan.

Table 18. Annualization of Project Costs by Plan (2023 indexed price level, 2.75% interest rate, \$ thousands)

	Tentatively Selected Plan										
Project Year	Discounting/ Compounding Year	Calendar Year	First Costs	Compounded Value	Compound Factor						
-3	2.5	2022	\$0	\$0	1.0702						
-2	1.5	2023	\$0	\$0	1.0415						
-1	0.5	2024	\$0	\$0	1.0137						
Q4	0.125	2025	\$3,349	\$3,361	1.0034						
50			\$0	\$0	0.2611						
		Total:	\$3,349	\$3,361							

Total Construction Costs: \$3,349
Interest During Construction: \$12
Total Average Annual Costs: \$127

7 RESULTS OF THE ECONOMIC ANALYSIS

7.1 NET BENEFIT ANALYSIS

Calculation of Net Benefits. The expected annual benefits were compared to the annual costs to develop a benefit-to-cost ratio for the alternatives. The net benefits for the alternatives were calculated by subtracting the annual costs from the base year expected annual benefits. The net benefits were used to determine the economic justification of the project alternatives and identify the National Economic Development (NED) plan. This analysis found that the 0.1 AEP Nonstructural Plan for Reach 8 and the 0.04 AEP Nonstructural Plan for Reach 5 to be the

NED plan, which is also the PDT's Tentatively Selected Plan. Table 19 shows the net benefits for each plan.

Table 19. Total Expected Annual Net Benefits by Plan (2023 indexed price level, 2.5% interest rate, \$ thousands)

Tentatively Selecte	Tentatively Selected Plan, Number of Structures in plan: 14								
Without Project Damages	With Project	Benefits							
	Damages								
\$2,414	\$2,082	\$332							
	First Costs:	\$3,349							
Intere	st During Construction:	\$12							
Annual Operation	a & Maintenance Costs:	\$0							
	Total Annual Costs:								
	B/C Ratio:								
Expecte	d Annual Net Benefits:	\$205							

8 DEPTH-DAMAGE TABLES

The tables below show the damage relationships for structure and contents. The tables contain the damage percentages at each depth of flooding along with the uncertainty surrounding the damage percentages.

Table 20. Depth-Damage Relationships for Structures & Contents

	Residential			Residentia	al
One Sto	ory without Ba	sement	One Story with Basement		
	RES1-1SNB			RES1-1SW	В
Depth in Structure	Percent St		Depth in Structure	Structure Percent Damage	Structure Standard Deviation
-9	0	0	-9	0	0
-8	0	0	-8	0	0
-7	0	0	-7	0.7	1.34
-6	0	0	-6	0.8	1.06
-5	0	0	-5	2.4	0.94
-4	0	0	-4	5.2	0.91

2	0	۱ م		۱ ،	0	0.00
-3	0	0		-3	9	0.88
-2	0	0		-2	13.8	0.85
-1	2.5	2.7		-1	19.4	0.83
0	13.4	2		0	25.5	0.85
1	23.3	1.6		1	32	0.96
2	32.1	1.6		2	38.7	1.14
3	40.1	1.8		3	45.5	1.37
4	47.1	1.9		4	52.2	1.63
5	53.2	2		5	58.6	1.89
6	58.6	2.1		6	64.5	2.14
7	63.2	2.2		7	69.8	2.35
8	67.2	2.3		8	74.2	2.52
9	70.5	2.4		9	77.7	2.66
10	73.2	2.7		10	80.1	2.77
11	75.4	3		11	81.1	2.88
12	77.2	3.3		12	81.1	2.88
13	78.5	3.7		13	81.1	2.88
14	79.5	4.1		14	81.1	2.88
15	80.2	4.5	Ŧ	15	81.1	2.88
16	80.7	4.9		16	81.1	2.88
Depth in Structure	Contents Percent Damage	Contents Standard Deviation		Depth in Structure	Contents Percent Damage	Contents Standard Deviation
-9	0	0		-9	0	0
-8	0	0		-8	0.1	1.6
-7	0	0		-7	0.8	1.16
-6	0	0		-6	2.1	0.92
-5	0	0		-5	3.7	0.81
	_	0		-4	5.7	0.78
-4	0	· I				
-4 -3	0	0		-3	8	0.76

	-1	2.4	2.1	-1	13.2	0.72
	0	8.1	1.5	0	16	0.74
	1	13.3	1.2	1	18.9	0.83
	2	17.9	1.2	2	21.8	0.98
	3	22	1.4	3	24.7	1.17
	4	25.7	1.5	4	27.4	1.39
	5	28.8	1.6	5	30	1.6
	6	31.5	1.6	6	32.4	1.81
	7	33.8	1.7	7	34.5	1.99
	8	35.7	1.8	8	36.3	2.13
	9	37.2	1.9	9	37.7	2.25
	10	38.4	2.1	10	38.6	2.35
	11	39.2	2.3	11	39.1	2.45
	12	39.7	2.6	12	39.1	2.45
	13	40	2.9	13	39.1	2.45
	14	40	3.2	14	39.1	2.45
	15	40	3.5	15	39.1	2.45
	16	40	3.8	16	39.1	2.45
L						

Table 21. Depth-Damage Relationships for Structures & Contents (cont.)

Residential									
Two Story with Basement									
RES1-2SWB									
Depth in Structure	Structure Percent Damage	Structure Standard Deviation							
-9	0	0							
-8	1.7	2.7							
-7	1.7	2.7							
-6	1.9	2.11							
-5	2.9	1.8							
-4	4.7	1.66							
-3	7.2	1.56							
-2	10.2	1.47							
-1	13.9	1.37							
0	17.9	1.32							
1	22.3	1.35							
2	27	1.5							
3	31.9	1.75							
4	36.9	2.04							
5	41.9	2.34							
6	46.9	2.63							
7	51.8	2.89							
8	56.4	3.13							
9	60.8	3.38							
10	64.8	3.71							
11	68.4	4.22							
12	71.4	5.02							
13	73.7	6.19							
14	75.7	7.79							
15	76.4	9.84							
16	76.4	12.36							

Depth in Structure	Contents Percent Damage	Contents Standard Deviation	
-9	0	0	
-8	0	0	
-7	1	2.27	
-6	2.3	1.76	
-5	3.7	1.49	
-4	5.2	1.37	
-3	6.8	1.29	
-2	8.4	1.21	
-1	10.1	1.13	
0	11.9	1.09	
1	13.8	1.11	
2	15.7	1.23	
3	17.7	1.43	
4	19.8	1.67	
5	22	1.92	
6	24.3	2.15	
7	26.7	2.36	
8	29.1	2.56	
9	31.7	2.76	
10	34.4	3.04	
11	37.2	3.46	
12	40	4.12	
13	43	5.08	
14	46.1	6.39	
15	49.3	8.08	
16	52.6	10.15	

Table 22. Depth-Damage Relationships for Structures & Contents (cont.)

Residential					Commercial			
Mı	Multi-family Housing 2 Units					Average Retail		
	RES3A					СО	M1	
Depth in Structure	Structure Percent Damage	Structure Lower Percent	Structure Upper Percent		Depth in Structure	Structure Percent Damage	Structure Lower Percent	Structure Upper Percent
-1	0	0	0		-1	0	0	0
-0.5	0	0	0		-0.5	0	0	0
0	0	0	3.3		0	0	0	3.5
0.5	6.7	4.1	11.7	K	0.5	6.3	3.2	11.5
1	12	7.9	17.3		1	11.3	6.2	16.5
1.5	13.3	9.5	22		1.5	13.8	8.2	23
2	20	15.8	28.3		2	18.8	12.9	28.3
3	26.7	22	35.2		3	25	18.5	35.4
4	28.3	25.3	40.4		4	28.5	20.9	43.7
5	33.3	30.3	46.7		5	33.8	25.8	49.6
6	36.7	30.7	60		6	41.3	29.2	68.1
7	38.7	31.1	61.7		7	44.8	32.7	69.8
8	46.7	35.3	70		8	52.5	38.8	79
9	46.8	38.2	75		9	53	43.8	79.1
10	46.9	43.2	86.7		10	55	48.8	86
Depth in Structure	Contents Percent Damage	Contents Lower Percent	Contents Upper Percent		Depth in Structure	Contents Percent Damage	Contents Lower Percent	Contents Upper Percent
-1	0	0	0		-1	0	0	0
-0.5	0	0	0		-0.5	0	0	0
0	0	0	0		0	0	0	0
0.5	14.3	10	18		0.5	24	10	30
1	21.7	15	25		1	30.7	20	38
1.5	26.6	20	32		1.5	36.8	25	44

2	30.4	25	37	2	40.9	27	50
3	39	30	45	3	52.9	35	60
4	45	37.5	53	4	64	48	75
5	47.9	42	55	5	75.4	60	82
6	51.9	45	60	6	87.3	70	95
7	55.7	50	65	7	98.9	80	100
8	59.3	55	70	8	100	100	100
9	60.6	58	75	9	100	100	100
10	63.4	60	80	10	100	100	100

Table 23. Depth-Damage Relationships for Structures & Contents (cont.)

Commercial					Commercial			
Avera	Average Personal & Repair Services					Average Medical Office		
СОМЗ					COM7			
Depth in Structure	Structure Percent Damage	Structure Lower Percent	Structure Upper Percent		Depth in Structure	Structure Percent Damage	Structure Lower Percent	Structure Upper Percent
-1	0	0	0		-1	0	0	0
-0.5	0	0	0		-0.5	0	0	0
0	0	0	3.5		0	0	0	2.3
0.5	6.3	2.5	11.5		0.5	6.4	3.7	10
1	11.3	5.8	16.5		1	12	6.7	17.7
1.5	12.5	6.5	22.3		1.5	15.6	10.7	22.7
2	17.5	11.3	28		2	21.5	15.7	29.3
3	22.5	16.5	33		3	28.1	22.3	37
4	25	17.5	40.7		4	35.7	29.1	48.3
5	28.8	22.3	44.8		5	41.8	33.6	55.4
6	36.3	23.3	61.5		6	53.8	42.6	73.3
7	41.3	25.8	64.5		7	58	46	76
8	48.5	30.8	73		8	62.4	51.6	86
9	50	37.5	76.6		9	65.2	55.4	86.1

10	52.5 42.5		85.4
Depth in Structure	Contents Percent Damage	Contents Lower Percent	Contents Upper Percent
-1	0	0	0
-0.5	0	0	0
0	0.4	0	1
0.5	11.7	5	17.5
1	16.4	10	25
1.5	21.9	14	30
2	28.9	20	38
3	40.9	30	50
4	57.7	45	65
5	63.3	55	75
6	70.7	60	80
7	79.3	70	90
8	84.3	75	95
9	87.1	80	98
10	87.2	80.1	100

10	67.8	62.7	90.7	
Depth in Structure	Contents Percent Damage	Contents Lower Percent	Contents Upper Percent	
-1	0	0	0	
-0.5	0	0	0	
0	0	0	0	
0.5	9	5	15	
1	14.3	10	20	
1.5	18.4	14	30	
2	26.9	20	34	
3	40.4	30	50.5	
4	57.1	44	70	
5	67.3	50	80	
6	75.4	65	90	
7	82.3	75	100	
8	91.3	80	100	
9	96.3	85	100	
10	96.9	92.5	100	

Table 24. Depth-Damage Relationships for Structures & Contents (cont.)

Commercial								
Average Entertainment/Recreation								
COM8								
Depth in Structure	Structure Percent Damage	Structure Lower Percent	Structure Upper Percent					
-1	0	0	0					
-0.5	0	0	0					
0	0	0	1.9					

Industrial								
Average Light Industrial								
IND2								
Depth in Structure	Structure Percent Damage	Structure Lower Percent	Structure Upper Percent					
-1	0	0	0					
-0.5	0	0	0					
0	0	0	3.3					

0.5	7.9	3.7	13.1	0.5	6.5	2.7	11.7
1	15.7	10.1	21.7	1	11.5	6.2	17.3
1.5	18.6	13.5	27.9	1.5	12.9	7.3	23.3
2	24.7	18.5	34.2	2	17.9	12.3	29.3
3	31.4	23.5	42.2	3	24.4	17.3	36.
4	42.9	34.8	56.4	4	26.5	19.2	41.
5	50.7	42.6	64.4	5	32.4	25.1	48.
6	58.6	48.3	77.1	6	38.8	26.9	65
7	65.6	53.9	81.4	7	40.9	28.1	67.5
8	68.6	58.9	88.3	8	51.8	34.5	77.5
9	74.3	65.3	88.4	9	56.2	41.5	80
10	74.4	68.9	92.2	10	56.3	46.5	86.7
Depth in Structure	Contents Percent Damage	Contents Lower Percent	Contents Upper Percent	Depth in Structure	Contents Percent Damage	Contents Lower Percent	Conte Uppe Perce
-1	0	0	0	-1	0	0	0
-0.5	0	0	0	-0.5	0	0	0
0	0	0	0	0	0	0	0
0.5							
	10.6	5	15	0.5	12.1	5	18
1	10.6 21.3	5 15	15 28	0.5	12.1 19.3	5 12	
1 1.5							25
	21.3	15	28	1	19.3	12	18 25 35 45
1.5	21.3 29.4	15 20	28 36	1 1.5	19.3 26.6	12 20	25 35
1.5	21.3 29.4 38.6	15 20 30	28 36 50	1 1.5 2	19.3 26.6 31	12 20 25	25 35 45
1.5 2 3	21.3 29.4 38.6 52.7	15 20 30 44	28 36 50 60	1 1.5 2 3	19.3 26.6 31 42.3	12 20 25 33	25 35 45 50
1.5 2 3 4	21.3 29.4 38.6 52.7 62.6	15 20 30 44 54	28 36 50 60 72.5	1 1.5 2 3 4	19.3 26.6 31 42.3 52.3	12 20 25 33 40	25 35 45 50 66
1.5 2 3 4 5	21.3 29.4 38.6 52.7 62.6 73	15 20 30 44 54 65	28 36 50 60 72.5 80	1 1.5 2 3 4 5	19.3 26.6 31 42.3 52.3 60.7	12 20 25 33 40 50	25 35 45 50 66 70 80
1.5 2 3 4 5 6	21.3 29.4 38.6 52.7 62.6 73 79.3	15 20 30 44 54 65 72.5	28 36 50 60 72.5 80 85	1 1.5 2 3 4 5	19.3 26.6 31 42.3 52.3 60.7	12 20 25 33 40 50	25 35 45 50 66 70 80 90
1.5 2 3 4 5 6 7	21.3 29.4 38.6 52.7 62.6 73 79.3 88.3	15 20 30 44 54 65 72.5 80	28 36 50 60 72.5 80 85 95	1 1.5 2 3 4 5 6	19.3 26.6 31 42.3 52.3 60.7 72 82.1	12 20 25 33 40 50 60 75	25 35 45 50 66 70
1.5 2 3 4 5 6 7 8	21.3 29.4 38.6 52.7 62.6 73 79.3 88.3 94.9	15 20 30 44 54 65 72.5 80 85	28 36 50 60 72.5 80 85 95 100	1 1.5 2 3 4 5 6 7	19.3 26.6 31 42.3 52.3 60.7 72 82.1 90.7	12 20 25 33 40 50 60 75 80	25 35 45 50 66 70 80 90

Table 25. Depth-Damage Relationships for Structures & Contents (cont.)

Industrial					Public			
Aver	age Wholes	ale/Wareho	use			Chu	rch	
IND4						RE	L1	
Depth in Structure	Structure Percent Damage	Structure Lower Percent	Structure Upper Percent		Depth in Structure	Structure Percent Damage	Structure Lower Percent	Structure Upper Percent
-1	0	0	0		-1	0	0	0
-0.5	0	0	0		-0.5	0	0	0
0	0	0	3.5		0	0	0	2.3
0.5	6.3	2.5	11.5	<	0.5	8.5	4.3	13.5
1	12	6.2	18.3		1	15	10	20.3
1.5	12.5	6.7	23.9		1.5	19	13.1	27.5
2	18.8	11.7	30.3		2	25	19.4	34.3
3	24	17.2	36		3	32.5	25.8	43.3
4	27.5	19.2	42.5		4	40	32.5	53.7
5	31.3	24	47.8		5	47.5	40	61.3
6	37.5	25	64.5		6	55	45	76
7	42.3	26.7	66		7	61.5	50	79.6
8	48.8	31.8	75.3		8	67.5	57.5	86
9	52.5	38.3	77.5		9	70	61.9	86.1
10	52.6	42.5	85.4		10	70.1	65.8	90.7
Depth in Structure	Contents Percent Damage	Contents Lower Percent	Contents Upper Percent		Depth in Structure	Contents Percent Damage	Contents Lower Percent	Contents Upper Percent
-1	0	0	0		-1	0	0	0
-0.5	0	0	0		-0.5	0	0	0
0	0	0	0		0	0	0	0
0.5	13.4	7	20		0.5	19.7	15	25
1	20.7	15	25		1	29.3	25	35
1.5	27.6	20	35		1.5	41.3	35	47.5

2	33.7	25	45
3	47.4	35	55
4	56.9	40	66
5	65.6	50	75
6	73.6	60	85
7	81.3	70	90
8	88.4	76	100
9	91.6	84	100
10	93.6	90	100

2	48.4	42.5	56.3
3	60	50	68
4	69.3	61.3	77.5
5	76.4	68	85
6	81.4	75	90
7	88.4	79	93.8
8	94.3	87.5	99
9	97.1	90	100
10	97.2	92.5	100

Table 26. Depth-Damage Relationships for Structures & Contents (cont.)

Public								
Average Government Services								
GOV1								
Depth in Structure	l Percent I Lower I							
-1	0	0	0					
-0.5	0	0	0					
0	0	0	1.9					
0.5	6.4	4.3	10					
1	10.7	7.3	15					
1.5	12.5	8.8	20					
2	18.6	13.8	25					
3	26.1	22.5	31.2					
4	31.9	26.3	41.1					
5	34.4	31.3	46.1					
6	44.4	35	60					
7	48.9	38.8	66.1					
8	58	47.5	76.1					

Public									
	School								
EDU1									
Depth in Structure Percent Lower Upper Damage Percent									
-1	0	0	0						
-0.5	0	0	0						
0	0	0	1.7						
0.5	8	3.8	13.3						
1	13.6	9.2	21.7						
1.5	16	11	26.7						
2	24	16	32.3						
3	32	24	40						
4	35	30	48.3						
5	40	35	53.3						
6	42	35.1	60						
7	43.2	35.2	64						
8	52	40	80						

9	59.8	52.5	76.2
10	63.4	57.5	80
Depth in Structure	Contents Percent Damage	Contents Lower Percent	Contents Upper Percent
-1	0	0	0
-0.5	0	0	0
0	0	0	0
0.5	6.3	3	10
1	13.1	8	18
1.5	14.6	10	22
2	21.3	15	33
3	31	22	36
4	44.1	35	50
5	53	40	60
6	62.3	50	75
7	69.5	58	80
8	77.5	65	90
9	83.8	75	90.1
10	87.5	75.1	95

9	52.1	45	80.1
10	52.2	47.6	83.3
Depth in Structure	Contents Percent Damage	Contents Lower Percent	Contents Upper Percent
-1	0	0	0
-0.5	0	0	0
0	0	0	0
0.5	14.3	10	20
1	21.7	15	25
1.5	26.6	20	33
2	30.4	25	40
3	39	30	50
4	45	40	55
5	47.9	45	66
6	51.9	50	72.5
7	55.7	55	75
8	59.3	58	85
9	60.6	59	90
10	63.4	60	90.1

Table 27. Depth-Damage Relationships for Structures & Contents (cont.)

Commercial
Average Retail Wet Floodproofed
COM1_WFP

Commercial
Average Personal & Repair Services Wet
Floodproofed
COM3_WFP

Depth in Structure	Structure Percent Damage	Structure Lower Percent	Structure Upper Percent	Depth in Structure	Structure Percent Damage	Structure Lower Percent	Structure Upper Percent
-1	0	0	0	-1	0	0	0
-0.5	0	0	0	-0.5	0	0	0
0	0	0	0	0	0	0	0
0.5	0	0	0	0.5	0	0	0
1	0	0	0	1	0	0	0
1.5	0	0	0	1.5	0	0	0
2	0	0	0	2	0	0	0
3	0	0	0	3	0	0	0
4	0	0	0	4	0	0	0
5	0	0	0	5	0	0	0
6	0	0	0	6	0	0	0
7	0	0	0	7	0	0	0
8	0	0	0	8	0	0	0
9	11.3	6.2	16.5	9	11.3	5.8	16.5
10	18.8	12.9	28.3	10	17.5	11.3	28
Depth in Structure	Contents Percent Damage	Contents Lower Percent	Contents Upper Percent	Depth in Structure	Contents Percent Damage	Contents Lower Percent	Contents Upper Percent
-1	0	0	0	-1	0	0	0
-0.5	0	0	0	-0.5	0	0	0
0	0	0	0	0	0.4	0	1
0.5	24	10	30	0.5	11.7	5	17.5
1	30.7	20	38	1	16.4	10	25
1.5	36.8	25	44	1.5	21.9	14	30
2	40.9	27	50	2	28.9	20	38
3	52.9	35	60	3	40.9	30	50
4	64	48	75	4	57.7	45	65
5	75.4	60	82	5	63.3	55	75
6	87.3	70	95	6	70.7	60	80

7	98.9	80	100	7	79.3	70	90
8	100	100	100	8	84.3	75	95
9	100	100	100	9	87.1	80	98
10	100	100	100	10	87.2	80.1	100

Table 28. Depth-Damage Relationships for Structures & Contents (cont.)

Commercial								
Average Medical Office Wet Floodproofed								
COM7_WFP								
Depth in Structure Percent Lower Upper Damage Percent Percent								
-1	0	0	0					
-0.5	0	0	0					
0	0	0	0					
0.5	0	0	0					
1	1 0 0		0					
1.5	0	0	0					
2	0	0	0					
3	0	0	0					
4	0	0	0					
5	0	0	0					
6	0	0	0					
7	0	0	0					
8	0	0	0					
9	12	6.7	17.7					
10 21.5 15.7 29.3								
Depth in Structure	Contents Percent Damage	Contents Lower Percent	Contents Upper Percent					

	Comm	iercial					
Average Entertainment/Recreation Wet							
Floodproofed							
COM8_WFP							
Depth in Structure	cture Damage Percent Percen						
-1	0	0	0				
-0.5	0	0	0				
0	0	0	0				
0.5	0	0	0				
1	0	0	0				
1.5	0	0	0				
2	0	0	0				
3	0	0	0				
4	0	0	0				
5	0	0	0				
6	0	0	0				
7	0	0	0				
8	0	0	0				
9	15.7	10.1	21.7				
10	24.7	18.5	34.2				
Depth in Structure	Contents Percent Damage	Contents Lower Percent	Contents Upper Percent				

-1	0	0	0		-1	0	0	0
-0.5	0	0	0		-0.5	0	0	0
0	0	0	0		0	0	0	0
0.5	9	5	15		0.5	10.6	5	15
1	14.3	10	20		1	21.3	15	28
1.5	18.4	14	30		1.5	29.4	20	36
2	26.9	20	34		2	38.6	30	50
3	40.4	30	50.5		3	52.7	44	60
4	57.1	44	70		4	62.6	54	72.5
5	67.3	50	80		5	73	65	80
6	75.4	65	90		6	79.3	72.5	85
7	82.3	75	100	K	7	88.3	80	95
8	91.3	80	100		8	94.9	85	100
9	96.3	85	100		9	98.6	90	100
10	96.9	92.5	100		10	98.7	92	100

Table 29. Depth-Damage Relationships for Structures & Contents (cont.)

Industrial				
Average Light Industrial Wet Floodproofed				
	IND2_WFP			
Depth in Structure	Structure Percent Damage	Structure Lower Percent	Structure Upper Percent	
-1	0	0	0	
-0.5	0	0	0	
0	0	0	0	
0.5	0	0	0	
1	0	0	0	
1.5	0	0	0	
2	0	0	0	

Industrial					
Average Wholesale/Warehouse Wet					
Floodproofed					
	IND4_WFP				
Depth in Structure	Structure Percent Damage	Structure Lower Percent	Structure Upper Percent		
-1	0	0	0		
-0.5	0	0	0		
0	0	0	0		
0.5	0	0	0		
1	0	0	0		
1.5	0	0	0		
2	0	0	0		

3	0	0	0
4	0	0	0
5	0	0	0
6	0	0	0
7	0	0	0
8	11.5	6.2	17.3
9	17.9	12.3	29.3
10	24.4	17.3	36.7

Depth in Structure	Contents Percent Damage	Contents Lower Percent	Contents Upper Percent
-1	0	0	0
-0.5	0	0	0
0	0	0	0
0.5	12.1	5	18
1	19.3	12	25
1.5	26.6	20	35
2	31	25	45
3	42.3	33	50
4	52.3	40	66
5	60.7	50	70
6	72	60	80
7	82.1	75	90
8	90.7	80	96
9	94.3	85	100
10	95	90	100

3	0	0	0
4	0	0	0
5	0	0	0
6	0	0	0
7	0	0	0
8	12	6.2	18.3
9	18.8	11.7	30.3
10	24	17.2	36

Depth in Structure	Contents Percent Damage	Contents Lower Percent	Contents Upper Percent
-1	0	0	0
-0.5	0	0	0
0	0	0	0
0.5	13.4	7	20
1	20.7	15	25
1.5	27.6	20	35
2	33.7	25	45
3	47.4	35	55
4	56.9	40	66
5	65.6	50	75
6	73.6	60	85
7	81.3	70	90
8	88.4	76	100
9	91.6	84	100
10	93.6	90	100

CAP Section 205 Flood Risk Management Study City of Fenton, Missouri Appendix G – Environmental Compliance and Coordination

August 2023



1. LIST OF RECIPIENTS

Environmental Protection Agency, Region 7

U.S. Fish and Wildlife, Missouri Ecological Services Field Office

Missouri Department of Conservation

Missouri Department of Natural Resources

Great Rivers Habitat Alliance

Great Lakes Dredge & Dock

Missouri Coalition for the Environment

Land Learning Foundation

Sierra Club

Senator Josh Hawley's Office

St. Louis Water Division

Missouri Coalition for the Environment

Absentee-Shawnee Tribe of Indians of Oklahoma

Caddo Nation of Oklahoma

Citizen Potawatomi Nation, Oklahoma

Eastern Shawnee Tribe of Oklahoma

Forest County Potawatomi Community, Wisconsin

Hannahville Indian Community, Michigan

Ho-Chunk Nation of Wisconsin

Iowa Tribe of Kansas and Nebraska

Iowa Tribe of Oklahoma

Kickapoo Tribe of Indians of the Kickapoo Reservation in Kansas

Kickapoo Tribe of Oklahoma

Match-E-Be-Nash-She-Wish Band of Pottawatomi Indians

Miami Tribe of Oklahoma

Nottawaseppi Huron Band of the Potawatomi, Michigan

Peoria Tribe of Indians of Oklahoma

Prairie Band Potawatomi Nation

Sac & Fox Nation of Missouri in Kansas and Nebraska

Sac & Fox Nation, Oklahoma

Sac & Fox Tribe of the Mississippi in Iowa

Shawnee Tribe

Quapaw Nation

United Keetoowah Band of Cherokee of Oklahoma



United States Department of the Interior



FISH AND WILDLIFE SERVICE

Missouri Ecological Services Field Office 101 Park Deville Drive Suite A Columbia, MO 65203-0057

Columbia, MO 65203-0057 Phone: (573) 234-2132 Fax: (573) 234-2181

In Reply Refer To: September 20, 2023

Project Code: 2023-0021887

Project Name: Fenton, MO CAP 205

Subject: List of threatened and endangered species that may occur in your proposed project

location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

Threatened and Endangered Species

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and may be affected by your proposed project. The species list fulfills the requirement for obtaining a Technical Assistance Letter from the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. **Note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days.** The Service recommends that verification be completed by visiting the IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the IPaC system by completing the same process used to receive the enclosed list.

Consultation Technical Assistance

Refer to the Midwest Region <u>S7 Technical Assistance</u> website for step-by-step instructions for making species determinations and for specific guidance on the following types of projects:

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projects in developed areas, HUD, pipelines, buried utilities, telecommunications, and requests for a Conditional Letter of Map Revision (CLOMR) from FEMA.

Federally Listed Bat Species

Indiana bats, gray bats, and northern long-eared bats occur throughout Missouri and the information below may help in determining if your project may affect these species.

Gray bats - Gray bats roost in caves or mines year-round and use water features and forested riparian corridors for foraging and travel. If your project will impact caves, mines, associated riparian areas, or will involve tree removal around these features – particularly within stream corridors, riparian areas, or associated upland woodlots –gray bats could be affected. *Indiana and northern long-eared bats* - These species hibernate in caves or mines only during the winter. In Missouri the hibernation season is considered to be November 1 to March 31. During the active season in Missouri (April 1 to October 31) they roost in forest and woodland habitats. Suitable summer habitat for Indiana bats and northern long-eared bats consists of a wide variety of forested/wooded habitats where they roost, forage, and travel and may also include some adjacent and interspersed non-forested habitats such as emergent wetlands and adjacent edges of agricultural fields, old fields and pastures. This includes forests and woodlots containing potential roosts (i.e., live trees and/or snags ≥5 inches diameter at breast height (dbh) for Indiana bat, and ≥ 3 inches dbh for northern long-eared bat, that have exfoliating bark, cracks, crevices, and/or hollows), as well as linear features such as fencerows, riparian forests, and other wooded corridors. These wooded areas may be dense or loose aggregates of trees with variable amounts of canopy closure. Tree species often include, but are not limited to, shellbark or shagbark hickory, white oak, cottonwood, and maple. Individual trees may be considered suitable habitat when they exhibit the characteristics of a potential roost tree and are located within 1,000 feet (305 meters) of other forested/wooded habitat. Northern long-eared bats have also been observed roosting in human-made structures, such as buildings, barns, bridges, and bat houses; therefore, these structures should also be considered potential summer habitat and evaluated for use by bats. If your project will impact caves or mines or will involve clearing forest or woodland habitat containing suitable roosting habitat, Indiana bats or northern long-eared bats could be affected.

Examples of <u>unsuitable</u> habitat include:

- Individual trees that are greater than 1,000 feet from forested or wooded areas;
- Trees found in highly-developed urban areas (e.g., street trees, downtown areas);
- A pure stand of less than 3-inch dbh trees that are not mixed with larger trees; and
- A stand of eastern red cedar shrubby vegetation with no potential roost trees.

Using the IPaC Official Species List to Make No Effect and May Affect Determinations for Listed Species

1. If IPaC returns a result of "There are no listed species found within the vicinity of the project," then project proponents can conclude the proposed activities will have **no effect** on any federally listed species under Service jurisdiction. Concurrence from the Service is not required for **No Effect** determinations. No further consultation or coordination is required. Attach this letter to the dated IPaC species list report for your records. An example "No Effect" document also can be found on the S7 Technical Assistance website.

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2. If IPaC returns one or more federally listed, proposed, or candidate species as potentially present in the action area of the proposed project – other than bats (see #3 below) – then project proponents can conclude the proposed activities **may affect** those species. For assistance in determining if suitable habitat for listed, candidate, or proposed species occurs within your project area or if species may be affected by project activities, you can obtain <u>Life History Information for Listed and Candidate Species</u> through the Species website.

- 3. If IPac returns a result that one or more federally listed bat species (Indiana bat, northern long-eared bat, or gray bat) are potentially present in the action area of the proposed project, project proponents can conclude the proposed activities **may affect** these bat species **IF** one or more of the following activities are proposed:
 - Clearing or disturbing suitable roosting habitat, as defined above, at any time of year;
 - b. Any activity in or near the entrance to a cave or mine;
 - c. Mining, deep excavation, or underground work within 0.25 miles of a cave or mine;
 - d. Construction of one or more wind turbines: or
 - e. Demolition or reconstruction of human-made structures that are known to be used by bats based on observations of roosting bats, bats emerging at dusk, or guano deposits or stains.

If none of the above activities are proposed, project proponents can conclude the proposed activities will have **no effect** on listed bat species. Concurrence from the Service is not required for **No Effect** determinations. No further consultation or coordination is required. Attach this letter to the dated IPaC species list report for your records. An example "No Effect" document also can be found on the S7 Technical Assistance website.

If any of the above activities are proposed in areas where one or more bat species may be present, project proponents can conclude the proposed activities **may affect** one or more bat species. We recommend coordinating with the Service as early as possible during project planning. If your project will involve removal of over 5 acres of <u>suitable</u> forest or woodland habitat, we recommend you complete a Summer Habitat Assessment prior to contacting our office to expedite the consultation process. The Summer Habitat Assessment Form is available in Appendix A of the most recent version of the <u>Range-wide Indiana Bat Summer Survey</u> Guidelines.

Other Trust Resources and Activities

Bald and Golden Eagles - Although the bald eagle has been removed from the endangered species list, this species and the golden eagle are protected by the Bald and Golden Eagle Act and the Migratory Bird Treaty Act. Should bald or golden eagles occur within or near the project area please contact our office for further coordination. For communication and wind energy projects, please refer to additional guidelines below.

Migratory Birds - The Migratory Bird Treaty Act (MBTA) prohibits the taking, killing, possession, transportation, and importation of migratory birds, their eggs, parts, and nests, except when specifically authorized by the Service. The Service has the responsibility under the MBTA

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to proactively prevent the mortality of migratory birds whenever possible and we encourage implementation of recommendations that minimize potential impacts to migratory birds. Such measures include clearing forested habitat outside the nesting season (generally March 1 to August 31) or conducting nest surveys prior to clearing to avoid injury to eggs or nestlings.

Communication Towers - Construction of new communications towers (including radio, television, cellular, and microwave) creates a potentially significant impact on migratory birds, especially some 350 species of night-migrating birds. However, the Service has developed voluntary guidelines for minimizing impacts.

Transmission Lines - Migratory birds, especially large species with long wingspans, heavy bodies, and poor maneuverability can also collide with power lines. In addition, mortality can occur when birds, particularly hawks, eagles, kites, falcons, and owls, attempt to perch on uninsulated or unguarded power poles. To minimize these risks, please refer to guidelines developed by the Avian Power Line Interaction Committee and the Service. Implementation of these measures is especially important along sections of lines adjacent to wetlands or other areas that support large numbers of raptors and migratory birds.

Wind Energy - To minimize impacts to migratory birds and bats, wind energy projects should follow the Service's <u>Wind Energy Guidelines</u>. In addition, please refer to the Service's <u>Eagle Conservation Plan Guidance</u>, which provides guidance for conserving bald and golden eagles in the course of siting, constructing, and operating wind energy facilities.

Next Steps

Should you determine that project activities **may affect** any federally listed species or trust resources described herein, please contact our office for further coordination. Letters with requests for consultation or correspondence about your project should include the Consultation Tracking Number in the header. Electronic submission is preferred.

If you have not already done so, please contact the Missouri Department of Conservation (Policy Coordination, P. O. Box 180, Jefferson City, MO 65102) for information concerning Missouri Natural Communities and Species of Conservation Concern.

We appreciate your concern for threatened and endangered species. Please feel free to contact our office with questions or for additional information.

John Weber

Attachment(s):

Official Species List

OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether

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any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Missouri Ecological Services Field Office

101 Park Deville Drive Suite A Columbia, MO 65203-0057 (573) 234-2132



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PROJECT SUMMARY

Project Code: 2023-0021887

Project Name: Fenton, MO CAP 205

Project Type: Flooding

Project Description: Flood Risk Management planning project for the protection of Fenton,

MO.

Project Location:

The approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/@38.533596599999996,-90.45432394611275,14z



Counties: Jefferson and St. Louis counties, Missouri

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ENDANGERED SPECIES ACT SPECIES

There is a total of 12 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

1. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

MAMMALS

STATUS NAME

Gray Bat *Myotis grisescens*

Endangered

No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/6329

Indiana Bat Myotis sodalis

Endangered

There is **final** critical habitat for this species. Your location does not overlap the critical habitat.

Species profile: https://ecos.fws.gov/ecp/species/5949

General project design guidelines:

https://ipac.ecosphere.fws.gov/project/PUFVZNXVHFGDXLSF4RRDNMRPAA/

documents/generated/6868.pdf

Northern Long-eared Bat Myotis septentrionalis

Endangered

No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9045

General project design guidelines:

https://ipac.ecosphere.fws.gov/project/PUFVZNXVHFGDXLSF4RRDNMRPAA/

documents/generated/6868.pdf

Tricolored Bat *Perimyotis subflavus*

Proposed

No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/10515 Endangered

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AMPHIBIANS

NAME STATUS

Eastern Hellbender *Cryptobranchus alleganiensis alleganiensis*

Endangered

Endangered

Candidate

Threatened

Population: Missouri DPS

No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9039

CLAMS

NAME STATUS

Pink Mucket (pearlymussel) *Lampsilis abrupta*No critical habitat has been designated for this species.

Species profile: https://ecos.fws.gov/ecp/species/7829

Salamander Mussel Simpsonaias ambigua Proposed

No critical habitat has been designated for this species.

Species profile: https://ecos.fws.gov/ecp/species/6208

Endangered

Scaleshell Mussel Leptodea leptodon Endangered

No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/5881

Snuffbox Mussel *Epioblasma triquetra*Endangered

No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/4135

Spectaclecase (mussel) *Cumberlandia monodonta*Endangered

No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/7867

INSECTS

NAME

Monarch Butterfly *Danaus plexippus*

No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9743

FLOWERING PLANTS

NAME

Decurrent False Aster Boltonia decurrens

No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/7705

CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

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IPAC USER CONTACT INFORMATION

Agency: Army Corps of Engineers Name: Natalia Ramirez Irizarry

Address: US Army Corps of Engineers 1222 Spruce St

City: Saint Louis

State: MO Zip: 63103

Email natalia.i.ramirezirizarry@usace.army.mil

Phone: 7875190759



From: Matt Vitello

To: Steiger, Rachel L CIV USARMY CEMVP (USA)

Subject: [Non-DoD Source] RE: Fenton CAP Natural Heritage Review Species List Request

Date: Thursday, April 20, 2023 10:25:49 AM

Here you go:

		State	State	Federal
Scientific Name	Common Name	Rank	Status	Status
Alasmidonta marginata	Elktoe	S2		
Alosa alabamae	Alabama Shad	S2		
	Rock			
Arcidens confragosus	Pocketbook	S3		
	Freckled			
Cambarus maculatus	Crayfish	S3		
Crystallaria asprella	Crystal Darter	S1	E	
Cumberlandia				
monodonta	Spectaclecase	S3	E	E
Elliptio crassidens	Elephantear	S1	E	
Epioblasma triquetra	Snuffbox	S1	E	E
Faxonius harrisonii	Belted Crayfish	S3		
Haliaeetus leucocephalus	Bald Eagle	S3		
Lampsilis abrupta	Pink Mucket	S2	E	E
Ligumia recta	Black Sandshell	S2		
Percina shumardi	River Darter	S3		
Plethobasus cyphyus	Sheepnose	S2	E	E
Potamilus leptodon	Scaleshell	S1	Е	Е

Let me know if you need anything additional.

Matt

From: Steiger, Rachel L CIV USARMY CEMVP (USA) < Rachel.L. Steiger@usace.army.mil>

Sent: Tuesday, April 18, 2023 12:50 PM

To: Matt Vitello < Matt. Vitello@mdc.mo.gov>

Subject: Fenton CAP Natural Heritage Review Species List Request

Hi Matt,

See the attached NHR Level Three Report. Planning study in Fenton, MO so just need the species list for now.

Thank you for your time,

Rachel

Rachel Steiger

Wildlife Biologist
St. Louis District, RPEDN
U.S. Army Corps of Engineers
1222 Spruce St
Saint Louis, MO 63103

Office: 314-331-8027 Cell: 219-682-6630





Missouri Department of Conservation

Missouri Department of Conservation's Mission is to protect and manage the forest, fish, and wildlife resources of the state and to facilitate and provide opportunities for all citizens to use, enjoy and learn about these resources.

Natural Heritage Review <u>Level Three Report: Species Listed Under the Federal Endangered</u> <u>Species Act</u>

There are records of species listed under the Federal Endangered Species Act, and possibly also records for species listed Endangered by the state, or Missouri Species and/or Natural Communities of Conservation Concern within or near the defined Project Area. <u>Please contact the U.S. Fish and Wildlife Service and the Missouri Department of Conservation for further coordination.</u>

Foreword: Thank you for accessing the Missouri Natural Heritage Review Website developed by the Missouri Department of Conservation with assistance from the U.S. Fish and Wildlife Service, the U.S. Army Corps of Engineers, Missouri Department of Transportation and NatureServe. The purpose of this report is to provide information to federal, state and local agencies, organizations, municipalities, corporations, and consultants regarding sensitive fish, wildlife, plants, natural communities, and habitats to assist in planning, designing, and permitting stages of projects.

PROJECT INFORMATION

Project Name and ID Number: Fenton, MO CAP 205 #11905

Project Description: Flood Risk Management planning study for Fenton, MO.

Project Type: Natural Disasters, Other

Contact Person: Rachel Steiger

Contact Information: rachel.l.steiger@usace.army.mil or 3143318027

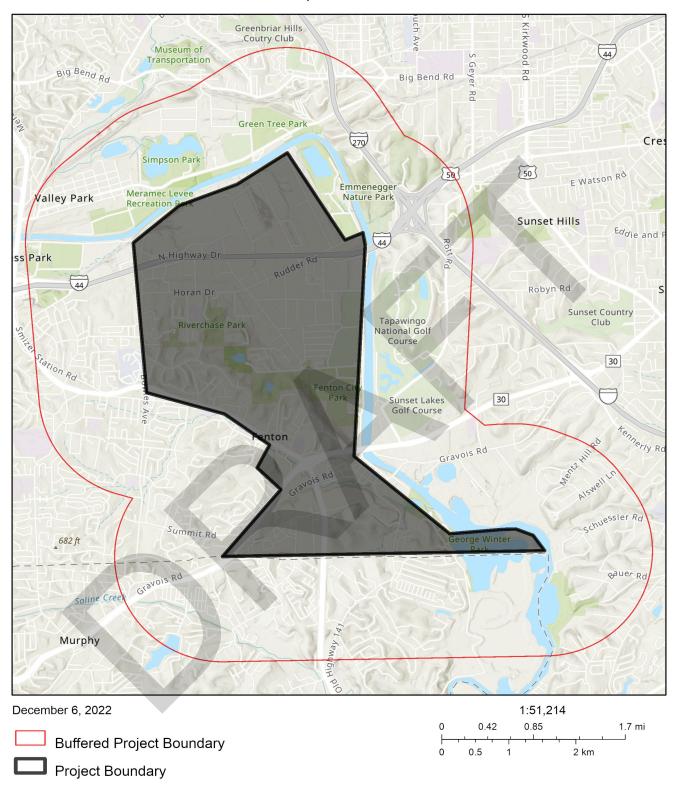
Disclaimer: This NATURAL HERITAGE REVIEW REPORT identifies if a species or natural community tracked by the Natural Heritage Program is known to occur within or near the project area submitted, and shares recommendations to avoid or minimize project impacts to sensitive species or natural habitats. Incorporating information from the Natural Heritage Program into project plans is an important step in reducing impacts to Missouri's sensitive natural resources. If an occurrence record is present, or the proposed project might affect federally listed species, the user must contact the Department of Conservation or U.S. Fish and Wildlife Service for more information.

This Natural Heritage Review Report is not a site clearance letter for the project. Rather, it identifies public lands and records of sensitive resources located close to and/or potentially affected by the proposed project. If project plans or location change, this report may no longer be valid. Because land use conditions change and animals move, the existence of an occurrence record does not mean the species/habitat is still present. Therefore, reports include information about records near but not necessarily on the project site. Lack of an occurrence record does not mean that a sensitive species or natural community is not present on or near the project area. On-site verification is the responsibility of the project. However, the Natural Heritage Program is only one reference that should be used to evaluate potential adverse project impacts and additional information (e.g. wetland or soils maps, on-site inspections or surveys) should be considered. Reviewing current landscape and habitat information, and species' biological characteristics would additionally ensure that Missouri Species of Conservation Concern are appropriately identified and addressed in planning efforts.

U.S. Fish and Wildlife Service – Endangered Species Act (ESA) Coordination: Lack of a Natural Heritage Program occurrence record for federally listed species in your project area does not mean the species is not present, as the area may never have been surveyed. Presence of a Natural Heritage Program occurrence record does not mean the project will result in negative impacts. This report does not fulfill Endangered Species Act consultation with the U.S. Fish and Wildlife Service (USFWS) for listed species. Direct contact with the USFWS may be necessary to complete consultation and it is required for actions with a federal connection, such as federal funding or a federal permit; direct contact is also required if ESA concurrence is necessary. Visit IPAC: Home (fws.gov)) to initiate USFWS Information for Planning and Conservation (IPaC) consultation. Contact the Columbia Missouri Ecological Field Services Office (573-234-2132, or by mail at 101 Park Deville Drive, Suite A, Columbia, MO 65203) for more information.

Transportation Projects: If the project involves the use of Federal Highway Administration transportation funds, these recommendations may not fulfill all contract requirements. Please contact the Missouri Department of Transportation at 573-526-4778 or visit Home Page | Missouri Department of Transportation (modot.org) for additional information on recommendations.

Fenton, MO CAP 205



Esri, NASA, NGA, USGS, County of St. Louis, Missouri Dept. of Conservation, Missouri DNR, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA

Species or Communities of Conservation Concern within the Area:

There are records of species listed under the Federal Endangered Species Act, and possibly also records for species listed Endangered by the state, or Missouri Species and/or Natural Communities of Conservation Concern within or near the defined Project Area. <u>Please contact the U.S. Fish and Wildlife Service and the Missouri Department of Conservation for further coordination</u>.

Email (preferred): NaturalHeritageReview@mdc.mo.gov MDC Natural Heritage Review Science Branch P.O. Box 180 Jefferson City, MO 65102-0180

Phone: 573-522-4115 ext. 3182

U.S. Fish and Wildlife Service Ecological Service 101 Park Deville Drive Suite A Columbia, MO 65203-0007

Phone: 573-234-2132

Other Special Search Results:

The project occurs on or near public land, Emmenegger Nature Park, Fenton (Preslar Lake), Fenton (Upper Fabick Lake), Fenton (Westside Park Lake), Possum Woods CA, Powder Valley CNC, St Louis County (Simpson Park Lake), Valley Park (Meramec Landing), please contact MDC.

Project Type Recommendations:

Natural Disasters - Other should be managed to minimize erosion and sedimentation/runoff to nearby streams and lakes, including adherence to any Clean Water Act permit conditions. Project design should include stormwater management elements that assure storm discharge rates to streams for heavy rain events will not increase from present levels. Revegetate disturbed areas to minimize erosion using native plant species compatible with the local landscape and wildlife needs. Annual ryegrass may be combined with native perennials for quicker green-up. Avoid aggressive exotic perennials such as crownvetch and sericea lespedeza. Please see Best Management Practices for Construction and Development Projects Affecting Missouri Rivers and Streams (mo.gov).

Project Location and/or Species Recommendations:

Endangered Species Act Coordination - If this project has the potential to alter habitat (e.g. tree removal, projects in karst habitat) or cause direct mortality of bats, please coordinate directly with U.S. Fish and Wildlife Service (Ecological Services, 101 Park Deville Drive, Suite A, Columbia, Missouri 65203-0007; Phone 573-234-2132 Ext. 100 for Ecological Services) for further coordination under the Endangered Species Act. Indiana bats (Myotis sodalis, federal- and state-listed endangered) and Northern long-eared bats (Myotis septentrionalis, federal-listed threatened) may occur near the project area. Both of these species of bats hibernate during winter months in caves and mines. During the summer months, they roost and raise young under the bark of trees in wooded areas, often riparian forests and upland forests near perennial streams. During project activities, avoid degrading stream quality and where possible leave snags standing and preserve mature forest canopy. Do not enter caves known to harbor Indiana bats or Northern long-eared bats, especially from September to April.

The project site submitted and evaluated is on or near Sensitive Aquatic Species Waters Meramec River, an important stream for freshwater mussel and amphibian populations. These streams were so designated because they have highly diverse mussel communities and mussel and amphibian species identified as Species of Conservation Concern. These streams are important to maintaining, restoring, or avoiding future listing of Species of Conservation Concern. Impacts to these aquatic species and habitats can be reduced by avoiding or minimizing activities that disturb the stream substrate, including rock placement, dredging, trenching, and wetted gravel bar disturbance; and avoid introducing heavy sediment loads, chemical or organic pollutants. These streams also are included as a Missouri Nationwide Permit Regional Condition (Number 7) that must be considered if working under if working under a Clean Water Act Section 404 Permit issued by the U.S. Army Corps of Engineers (http://www.nwk.usace.army.mil/Missions/RegulatoryBranch/NationWidePermit...). A list of all streams designated under this Condition is available at http://www.nwk.usace.army.mil/Portals/29/docs/regulatory/nationwidepermi...).

Karst: This county has known karst geologic features (e.g., caves, springs, and sinkholes, all characterized by subterranean water movement). Few karst features are recorded in Natural Heritage records, and ones not noted here may be encountered at the project site or affected by the project. Cave fauna (many of which are Species of Conservation Concern) are influenced by changes to water quality; please check your project site for any karst features and make every effort to protect groundwater in the project area. Additional information and specific recommendations are available at Management Recommendations for Construction and Development Projects Affecting Missouri Karst Habitat (mo.gov).

Invasive exotic species are a significant issue for fish, wildlife and agriculture in Missouri. Seeds, eggs, and larvae may be moved to new sites on boats or construction equipment. Please inspect and clean equipment thoroughly before moving between project sites. See <u>Managing Invasive Species in Your Community | Missouri Department of Conservation (mo.gov)</u> for more information.

- Remove any mud, soil, trash, plants or animals from equipment before leaving any water body or work area.
- Drain water from boats and machinery that have operated in water, checking motor cavities, live-well, bilge and transom wells, tracks, buckets, and any other water reservoirs.
- When possible, wash and rinse equipment thoroughly with hard spray or HOT water (>140° F, typically available at do-it-yourself car wash sites), and dry in the hot sun before using again.

Streams and Wetlands – Clean Water Act Permits: Streams and wetlands in the project area should be protected from activities that degrade habitat conditions. For example, soil erosion, water pollution, placement of fill, dredging, in-stream activities, and riparian corridor removal, can modify or diminish aquatic habitats. Streams and wetlands may be protected under the Clean Water Act and require a permit for any activities that result in fill or other modifications to the site. Conditions provided within the U.S. Army Corps of Engineers (USACE) Clean Water Act Section 404 permit (Kansas City District Regulatory Branch (army.mil)) and the Missouri Department of Natural Resources (DNR) issued Clean Water Act Section 401 Water Quality Certification | Missouri Department of Natural Resources (mo.gov), if required, should help minimize impacts to the aquatic organisms and aquatic habitat within the area. Depending on your project type, additional permits may be required by the Missouri Department of Natural Resources, such as permits for stormwater, wastewater treatment facilities, and confined animal feeding operations. Visit Wastewater Permits | Missouri Department of Natural Resources (mo.gov) for more information on DNR permits. Visit both the USACE and DNR for more information on Clean Water Act permitting.

For further coordination with the Missouri Department of Conservation and the U.S. Fish and Wildlife Services, please see the contact information below:

Email (preferred): NaturalHeritageReview@mdc.mo.gov

MDC Natural Heritage Review Science Branch

P.O. Box 180 Jefferson City, MO 65102-0180

Phone: 573-522-4115 ext. 3182

U.S. Fish and Wildlife Service

Ecological Service
101 Park Deville Drive

Suite A

Columbia, MO 65203-0007

Phone: 573-234-2132

Miscellaneous Information

FEDERAL Concerns are species/habitats protected under the Federal Endangered Species Act and that have been known near enough to the project site to warrant consideration. For these, project managers must contact the U.S. Fish and Wildlife Service Ecological Services (101 Park Deville Drive Suite A, Columbia, Missouri 65203-0007; Phone 573-234-2132; Fax 573-234-2181) for consultation.

STATE Concerns are species/habitats known to exist near enough to the project site to warrant concern and that are protected under the Wildlife Code of Missouri (RSMo 3 CSR 1 0). "State Endangered Status" is determined by the Missouri Conservation Commission under constitutional authority, with requirements expressed in the Missouri Wildlife Code, rule 3CSR 1 0-4.111. Species tracked by the Natural Heritage Program have a "State Rank" which is a numeric rank of relative rarity. Species tracked by this program and all native Missouri wildlife are protected under rule 3CSR 10-4.110 General Provisions of the Wildlife Code.

See <u>Missouri Species and Communities of Conservation Concern Checklist (mo.gov)</u> for a complete list of species and communities of conservation concern. Detailed information about the animals and some plants mentioned may be accessed at <u>Mofwis Search Results</u>. Please contact the Missouri Department of Conservation to request printed copies of any materials linked in this document.



From: Trautt, Meredith M CIV USARMY CEMVS (USA) < Meredith.M.Trautt@usace.army.mil>

Sent: Wednesday, August 23, 2023 2:37 PM

To: Kniep, Michelle R CIV USARMY CEMVP (USA) <Michelle.R.Kniep@usace.army.mil> **Cc:** Fuld, Kristen A CIV USARMY CEMVS (USA) <Kristen.A.Fuld@usace.army.mil>

Subject: CAP Fenton Tribal Letter

Michelle,

All tribal letters for the CAP Fenton project were sent out. I"ve attached a copy for your records. The end of the 30-day comment period is September 22.

Please let me know if you have any questions.

Meredith Hawkins Trautt, M.S., RPA

Archaeologist and Tribal Liaison U.S. Army Corps of Engineers, St. Louis District MCX CMAC, EC Z 1222 Spruce Street St. Louis, MO 63109

Office: (314) 925-5031 Mobile: (314) 798-2169 Pronouns: she/her From: Benjamin Rhodd

To: <u>Trautt, Meredith M CIV USARMY CEMVS (USA)</u>

Subject: [Non-DoD Source] RE: USACE, St. Louis District, CAP Fenton, St. Louis Co., MO

Date: Wednesday, August 23, 2023 2:42:00 PM

Ms. Trautt,

Pursuant to consultation under Section 106 of the National Historic Preservation Act (1966 as amended) the Forest County Potawatomi Community (FCPC), a Federally Recognized Native American Tribe, reserves the right to comment on Federal undertakings, as defined under the act.

The Tribal Historic Preservation Office (THPO) staff has reviewed the information you provided for this project. Upon review of site data and supplemental cultural history within our Office, the FCPC THPO is concerned that the site 23SL481 needs to be evaluated for NRHP significance. If the site does is eligible then further remediation measures need to be implemented. The Potawatomi possess oral history regarding this area and whether the likelihood of it being a Potawatomi site or not is irrelevant. The site deserves to be treated with regard as there may be potential burials interned in this location. We request to remain as a consulting party for this project.

As a standard caveat sent with each proposed project reviewed by the FCPC THPO, the following applies. In the event an Inadvertent Discovery (ID) occurs at any phase of a project or undertaking as defined, and human remains or archaeologically significant materials are exposed as a result of project activities, work should cease immediately. The Tribe(s) must be included with the SHPO in any consultation regarding treatment and disposition of an ID find.

Thank you for protecting cultural and historic properties and if you have any questions or concerns, please contact me at the email or number listed below.

Respectfully,

Ben Rhodd, MS, RPA, Tribal Historic Preservation Officer Forest County Potawatomi Historic Preservation Office 8130 Mish ko Swen Drive, P.O. Box 340, Crandon, Wisconsin 54520

P: 715-478-7354 C: 715-889-0202 Main: 715-478-7474

Email: Benjamin.Rhodd@fcp-nsn.gov

www.fcpotawatomi.com

From: Trautt, Meredith M CIV USARMY CEMVS (USA) < Meredith.M.Trautt@usace.army.mil>

Sent: Wednesday, August 23, 2023 2:09 PM

To: Benjamin Rhodd <Benjamin.Rhodd@fcp-nsn.gov>

Subject: USACE, St. Louis District, CAP Fenton, St. Louis Co., MO

Dear Mr. Rhodd,

Please see the attached letter pertaining to a flood risk management study in the City of Fenton, St. Louis County, Missouri.

Meredith Hawkins Trautt, M.S., RPA

Archaeologist and Tribal Liaison
U.S. Army Corps of Engineers, St. Louis District
MCX CMAC, EC Z
1222 Spruce Street
St. Louis, MO 63109

Office: (314) 925-5031 Mobile: (314) 798-2169



From: <u>Jonathan Rohrer</u>

To: <u>Trautt, Meredith M CIV USARMY CEMVS (USA)</u>

Subject: [Non-DoD Source] CAP 205 Flood Risk Management Study, City of Fenton, St. Louis County, Missouri -

Date: Monday, August 28, 2023 3:56:40 PM

Meredith Hawkins,

Thank you for your report, received on 08-28-2023. The Caddo Nation of Oklahoma appreciates your willingness to conduct proper consultation, pursuant to Section 106 of the National Historic Preservation Act. At this time the Caddo Nation has no additional information to add. However, in the event that any projects may be proposed in the subject area, we would need to be notified as soon as possible.

Should you have any questions or concerns regarding our response please feel free to contact our office.

Best regards,

Jonathan

Jonathan M. Rohrer

Tribal Historic Preservation Officer



Caddo Nation

P.O. Box 487 Binger, OK 73009 t: (405)656-0970 Ext. 2070 e: jrohrer@mycaddonation.com

www.mycaddonation.com

From: <u>Cheyenne Greenup</u>

To: <u>Trautt, Meredith M CIV USARMY CEMVS (USA)</u>

Subject: [Non-DoD Source] CAP 205 Flood Risk Management Study, City of Fenton, St. Louis Co, MO

Date: Thursday, September 21, 2023 12:03:06 PM

Good morning,

I was just double checking to see if we have responded this study before I sent out letter.

Thank you,

Cheyenne Greenup

Section 106 Research Coordinator Quapaw Nation P.O. Box 765 Quapaw, OK 74363 (W) 918-238-3100 ext.6109



EASTERN SHAWNEE CULTURAL PRESERVATION DEPARTMENT

70500 East 128 Road, Wyandotte, OK 74370

October 10, 2023 USACE St. Louis District 1222 Spruce Street St. Louis, Missouri 63103-2833

RE: CAP 205 Flood Riske Management Study, Fenton, St. Louis County, MO

Dear Ms. Trautt,

The Eastern Shawnee Tribe has received your letter regarding the above referenced project(s) within St. Louis County, MO. The Eastern Shawnee Tribe is committed to protecting sites important to Tribal Heritage, Culture and Religion. Furthermore, the Tribe is particularly concerned with historical sites that may contain but not limited to the burial(s) of human remains and associated funerary objects.

As described in your correspondence, and upon research of our database(s) and files, we find our people occupied these areas historically and/or prehistorically. However, the project proposes **NO Adverse Effect** or endangerment to known sites of interest to the Eastern Shawnee Tribe. Please continue project as planned. However, should this project inadvertently discover an archeological site or object(s) we request that you immediately contact the Eastern Shawnee Tribe, as well as the appropriate state agencies (within 24 hours). We also ask that all ground disturbing activity stop until the Tribe and State agencies are consulted. Please note that any future changes to this project will require additional consultation.

In accordance with the NHPA of 1966 (16 U.S.C. § 470-470w-6), federally funded, licensed, or permitted undertakings that are subject to the Section 106 review process must determine effects to significant historic properties. As clarified in Section 101(d)(6)(A-B), historic properties may have religious and/or cultural significance to Indian Tribes. Section 106 of NHPA requires Federal agencies to consider the effects of their actions on all significant historic properties (36 CFR Part 800) as does the National Environmental Policy Act of 1969 (43 U.S.C. § 4321-4347 and 40 CFR § 1501.7(a). This letter evidences NHPA and NEPA historic properties compliance pertaining to consultation with this Tribe regarding the referenced proposed projects.

Thank you, for contacting the Eastern Shawnee Tribe, we appreciate your cooperation. Should you have any further questions or comments please contact our Office.

Sincerely,

Paul Barton, Tribal Historic Preservation Officer (THPO)

Eastern Shawnee Tribe of Oklahoma

(918) 666-5151 Ext:1833

THPO@estoo.net

From: Alan Kelley

To: <u>Trautt, Meredith M CIV USARMY CEMVS (USA)</u>

Subject: [Non-DoD Source] Re: USACE St. Louis District, CAP Fenton, St. Louis Co., MO

Date: Wednesday, October 11, 2023 10:09:40 AM

CAP 205 Flood Risk Management Study, City of Fenton, St. Louis County, Missouri. I have no Concerns

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On Wed, Aug 23, 2023 at 2:10 PM Trautt, Meredith M CIV USARMY CEMVS
(USA) <Meredith.M.Trautt@usace.army.mil> wrote:
> Dear Mr. Kelley,
> Please see the attached letter pertaining to a flood risk management study in the City of Fenton, St. Louis County,
>
>
> Sincerely,
>
>
> Meredith Hawkins Trautt, M.S., RPA
> Archaeologist and Tribal Liaison
> U.S. Army Corps of Engineers, St. Louis District
> MCX CMAC, EC Z
> 1222 Spruce Street
> St. Louis, MO 63109
> Office: (314) 925-5031
> Mobile: (314) 798-2169
> Pronouns: she/her
>
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Alan Kelley Deputy THPO Iowa Tribe of KS & NE 3345 Thrasher RD White Cloud KS 66094 785-351-0080