

Appendix G

16911 Wildhorse Creek Road
16911 Wildhorse Creek Road
Chesterfield, MO 63005

Inquiry Number: 5037040.2s
August 30, 2017

The EDR Radius Map™ Report with GeoCheck®

Prepared using the EDR FieldCheck® System



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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

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

TARGET PROPERTY INFORMATION

ADDRESS

16911 WILDHORSE CREEK ROAD
CHESTERFIELD, MO 63005

COORDINATES

Latitude (North): 38.6562240 - 38° 39' 22.40"
Longitude (West): 90.5949020 - 90° 35' 41.64"
Universal Transverse Mercator: Zone 15
UTM X (Meters): 709284.6
UTM Y (Meters): 4281166.0
Elevation: 462 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 6725237 CHESTERFIELD, MO
Version Date: 2015

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20140720
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:
16911 WILDHORSE CREEK ROAD
CHESTERFIELD, MO 63005

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	MERCURY-DEVERONNE CI	16735 DEVERONNE CIRC	SEMS-ARCHIVE	Higher	2399, 0.454, NE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

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

DATABASES WITH NO MAPPED SITES

No sites were identified in following databases.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

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

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

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

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

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

Federal RCRA generators list

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

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System
US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent CERCLIS

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

EXECUTIVE SUMMARY

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

SWF/LF..... Permitted Facility List

State and tribal leaking storage tank lists

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

State and tribal registered storage tank lists

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

State and tribal institutional control / engineering control registries

AUL..... Sites with Controls

State and tribal voluntary cleanup sites

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

State and tribal Brownfields sites

BROWNFIELDS..... Brownfields Site List

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY..... Solid Waste Recycling Facilities
HIST LF..... Solid Waste Facility Database List
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands
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

EXECUTIVE SUMMARY

Records of Emergency Release Reports

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

Other Ascertainable Records

RCRA NonGen / NLR..... RCRA - Non Generators / No Longer Regulated
FUDS..... Formerly Used Defense Sites
DOD..... Department of Defense Sites
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR..... Financial Assurance Information
EPA WATCH LIST..... EPA WATCH LIST
2020 COR ACTION..... 2020 Corrective Action Program List
TSCA..... Toxic Substances Control Act
TRIS..... Toxic Chemical Release Inventory System
SSTS..... Section 7 Tracking Systems
ROD..... Records Of Decision
RMP..... Risk Management Plans
RAATS..... RCRA Administrative Action Tracking System
PRP..... Potentially Responsible Parties
PADS..... PCB Activity Database System
ICIS..... Integrated Compliance Information System
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS..... Material Licensing Tracking System
COAL ASH DOE..... Steam-Electric Plant Operation Data
COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER..... PCB Transformer Registration Database
RADINFO..... Radiation Information Database
HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS..... Incident and Accident Data
CONSENT..... Superfund (CERCLA) Consent Decrees
INDIAN RESERV..... Indian Reservations
FUSRAP..... Formerly Utilized Sites Remedial Action Program
UMTRA..... Uranium Mill Tailings Sites
LEAD SMELTERS..... Lead Smelter Sites
US AIRS..... Aerometric Information Retrieval System Facility Subsystem
US MINES..... Mines Master Index File
ABANDONED MINES..... Abandoned Mines
FINDS..... Facility Index System/Facility Registry System
UXO..... Unexploded Ordnance Sites
DOCKET HWC..... Hazardous Waste Compliance Docket Listing
ECHO..... Enforcement & Compliance History Information
FUELS PROGRAM..... EPA Fuels Program Registered Listing
AIRS..... Permit Facility Listing
COAL ASH..... Coal Ash Disposal Sites
DRYCLEANERS..... Drycleaners in Missouri Listing
Financial Assurance..... Financial Assurance Information Listing
MINES..... Industrial Mineral Mines Database
NPDES..... Permitted Facility Listing
MO RRC..... Certified Hazardous Waste Resource Recovery Facilities
SMARS..... Site Management and Reporting System

EXECUTIVE SUMMARY

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 Historic Gas Stations
EDR Hist Cleaner..... EDR Exclusive Historic Dry Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

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

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS NFRAP site list

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

An online review and analysis by SCI ENGINEERING, INC. of the SEMS-ARCHIVE list, as provided by EDR, and dated 02/07/2017 has revealed that there is 1 SEMS-ARCHIVE site within approximately 0.5 miles of the target property.

EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MERCURY-DEVERONNE CI	16735 DEVERONNE CIRC	NE 1/4 - 1/2 (0.454 mi.)	1	8

EXECUTIVE SUMMARY

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

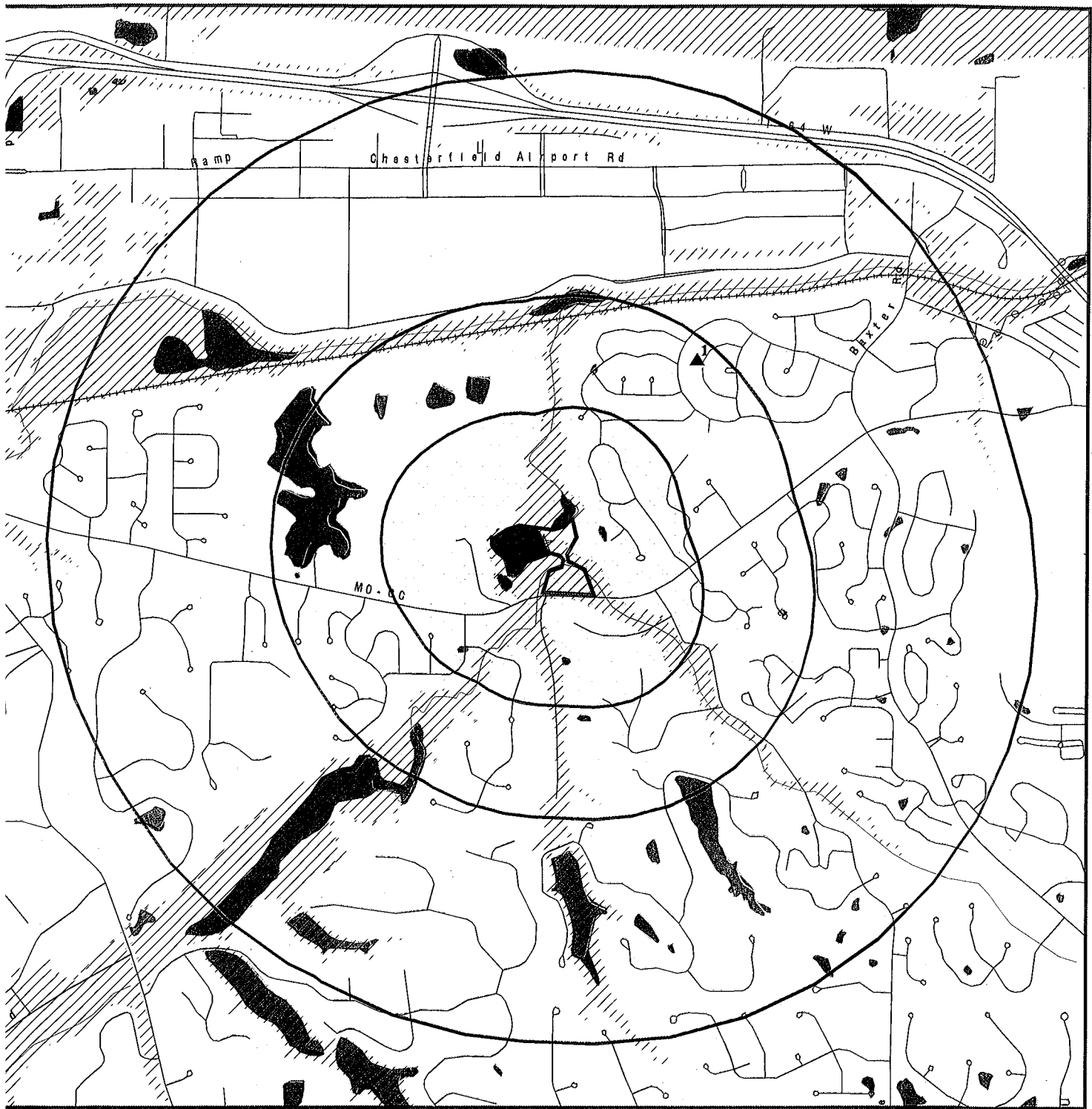
Site Name

Database(s)

VOSS RESIDENCE
WILDHORSE WAY

SEMS-ARCHIVE
FINDS

OVERVIEW MAP - 5037040.2S



✓ Target Property

▲ Sites at elevations higher than or equal to the target property

◆ Sites at elevations lower than the target property

▲ Manufactured Gas Plants

■ National Priority List Sites

■ Dept. Defense Sites

▨ Indian Reservations BIA

⚡ Power transmission lines

▨ 100-year flood zone

▨ 500-year flood zone

■ National Wetland Inventory

□ State Wetlands

▨ Upgradient Area

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

SITE NAME: 16911 Wildhorse Creek Road
 ADDRESS: 16911 Wildhorse Creek Road
 Chesterfield MO 63005
 LAT/LONG: 38.656224 / 90.594902

CLIENT: SCI Engineering, Inc.
 CONTACT: Heather Martin
 INQUIRY #: 5037040.2s
 DATE: August 30, 2017 3:14 pm

DETAIL MAP - 5037040.2S



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

- Indian Reservations BIA
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands

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

<p>SITE NAME: 16911 Wildhorse Creek Road ADDRESS: 16911 Wildhorse Creek Road Chesterfield MO 63005 LAT/LONG: 38.656224 / 90.594902</p>	<p>CLIENT: SCI Engineering, Inc. CONTACT: Heather Martin INQUIRY #: 5037040.2s DATE: August 30, 2017 3:20 pm</p>
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MAP FINDINGS SUMMARY

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

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
AUL	0.500		0	0	0	NR	NR	0
State and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
SWRCY	0.500		0	0	0	NR	NR	0
HIST LF	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
DEL SHWS	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
SPILLS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
MO RRC	TP		NR	NR	NR	NR	NR	0
SMARS	0.500		0	0	0	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

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

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS	TP		NR	NR	NR	NR	NR	0
---------	----	--	----	----	----	----	----	---

MAP FINDINGS SUMMARY

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

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

1
NE
1/4-1/2
0.454 mi.
2399 ft.

MERCURY-DEVERONNE CIRCLE
16735 DEVERONNE CIRCLE
CHESTERFIELD, MO

SEMS-ARCHIVE **1014236874**
MON000706164

Relative:
Higher

SEMS-ARCHIVE:

Site ID: 706164
EPA ID: MON000706164
Federal Facility: N
NPL: Not on the NPL
Non NPL Status: Removal Only Site (No Site Assessment Work Needed)

Actual:
545 ft.

Count: 2 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CHESTERFIELD	1003876658	VOSS RESIDENCE	OFF WILD HORSE CREEK RD	63017	SEMS-ARCHIVE
CHESTERFIELD	1014764532	WILDHORSE WAY	WILDHORSE CR RD AND	63005	FINDS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

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

Date of Government Version: 04/05/2017	Source: EPA
Date Data Arrived at EDR: 04/21/2017	Telephone: N/A
Date Made Active in Reports: 05/12/2017	Last EDR Contact: 07/07/2017
Number of Days to Update: 21	Next Scheduled EDR Contact: 10/16/2017
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 04/05/2017	Source: EPA
Date Data Arrived at EDR: 04/21/2017	Telephone: N/A
Date Made Active in Reports: 05/12/2017	Last EDR Contact: 07/07/2017
Number of Days to Update: 21	Next Scheduled EDR Contact: 10/16/2017
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

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

Date of Government Version: 04/05/2017
Date Data Arrived at EDR: 04/21/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 21

Source: EPA
Telephone: N/A
Last EDR Contact: 07/07/2017
Next Scheduled EDR Contact: 10/16/2017
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

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

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 92

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 07/07/2017
Next Scheduled EDR Contact: 10/16/2017
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: 02/07/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 16

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 07/21/2017
Next Scheduled EDR Contact: 10/30/2017
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 02/07/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 16

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 07/28/2017
Next Scheduled EDR Contact: 10/30/2017
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/11/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

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

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: 913-551-7003
Last EDR Contact: 08/11/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: 913-551-7003
Last EDR Contact: 08/11/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 12/12/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/28/2016	Telephone: 913-551-7003
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 08/11/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 10/09/2017
	Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

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

Date of Government Version: 12/12/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/28/2016	Telephone: 913-551-7003
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 08/11/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 10/09/2017
	Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

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

Date of Government Version: 12/28/2016	Source: Department of the Navy
Date Data Arrived at EDR: 01/04/2017	Telephone: 843-820-7326
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 08/10/2017
Number of Days to Update: 93	Next Scheduled EDR Contact: 11/27/2017
	Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 02/13/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/28/2017	Telephone: 703-603-0695
Date Made Active in Reports: 06/09/2017	Last EDR Contact: 05/31/2017
Number of Days to Update: 101	Next Scheduled EDR Contact: 09/11/2017
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 02/13/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/28/2017	Telephone: 703-603-0695
Date Made Active in Reports: 06/09/2017	Last EDR Contact: 05/31/2017
Number of Days to Update: 101	Next Scheduled EDR Contact: 09/11/2017
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

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

Date of Government Version: 09/26/2016
Date Data Arrived at EDR: 09/29/2016
Date Made Active in Reports: 11/11/2016
Number of Days to Update: 43

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/28/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

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

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 09/29/2016
Date Data Arrived at EDR: 01/12/2017
Date Made Active in Reports: 02/28/2017
Number of Days to Update: 47

Source: Department of Natural Resources
Telephone: 573-751-1990
Last EDR Contact: 08/08/2017
Next Scheduled EDR Contact: 12/11/2017
Data Release Frequency: Quarterly

HWS DETAIL: Registry Annual Report

Each site is described in detail in this annual report and includes the following information: a general description of the site; a summary of any significant environmental problems at and near the site; a summary of any serious health problems in the immediate vicinity of the site; the status of any testing, monitoring or remedial actions in progress or recommended by the department.

Date of Government Version: 06/30/2015
Date Data Arrived at EDR: 06/07/2016
Date Made Active in Reports: 08/05/2016
Number of Days to Update: 59

Source: Department of Natural Resources
Telephone: 573-751-3176
Last EDR Contact: 05/31/2017
Next Scheduled EDR Contact: 07/02/5007
Data Release Frequency: Annually

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

SWF/LF: Solid Waste Facility List

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 08/29/2016
Date Data Arrived at EDR: 08/31/2016
Date Made Active in Reports: 10/24/2016
Number of Days to Update: 54

Source: Department of Natural Resources
Telephone: 573-751-5401
Last EDR Contact: 08/14/2017
Next Scheduled EDR Contact: 11/27/2017
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tanks

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 12/06/2016
Date Data Arrived at EDR: 12/14/2016
Date Made Active in Reports: 02/28/2017
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: 573-751-0135
Last EDR Contact: 06/15/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LAST: Leaking Aboveground Storage Tanks

A listing of leaking aboveground storage tanks.

Date of Government Version: 12/06/2016
Date Data Arrived at EDR: 12/14/2016
Date Made Active in Reports: 02/28/2017
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: 573-751-6822
Last EDR Contact: 06/15/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Quarterly

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 11/14/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 07/27/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/07/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/27/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/06/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 07/27/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Quarterly

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/17/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 07/27/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 09/01/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/27/2017
Next Scheduled EDR Contact: 11/08/2017
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: 10/01/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 07/27/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 10/14/2016	Source: EPA Region 4
Date Data Arrived at EDR: 01/27/2017	Telephone: 404-562-8677
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 07/28/2017
Number of Days to Update: 98	Next Scheduled EDR Contact: 11/08/2017
	Data Release Frequency: Semi-Annually

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 11/14/2016	Source: EPA Region 1
Date Data Arrived at EDR: 01/26/2017	Telephone: 617-918-1313
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 11/08/2017
	Data Release Frequency: Varies

State and tribal registered storage tank lists

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

Date of Government Version: 01/01/2010	Source: FEMA
Date Data Arrived at EDR: 02/16/2010	Telephone: 202-646-5797
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 07/14/2017
Number of Days to Update: 55	Next Scheduled EDR Contact: 10/23/2017
	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: 12/06/2016	Source: Department of Natural Resources
Date Data Arrived at EDR: 12/14/2016	Telephone: 573-751-0135
Date Made Active in Reports: 02/28/2017	Last EDR Contact: 06/15/2017
Number of Days to Update: 76	Next Scheduled EDR Contact: 09/25/2017
	Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tanks Registered Aboveground Storage Tanks.

Date of Government Version: 01/12/2017	Source: Department of Agriculture
Date Data Arrived at EDR: 01/17/2017	Telephone: 573-751-7062
Date Made Active in Reports: 02/28/2017	Last EDR Contact: 06/05/2017
Number of Days to Update: 42	Next Scheduled EDR Contact: 09/18/2017
	Data Release Frequency: Semi-Annually

INDIAN UST R6: Underground Storage Tanks on Indian Land The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 10/01/2016	Source: EPA Region 6
Date Data Arrived at EDR: 01/26/2017	Telephone: 214-665-7591
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 11/08/2017
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R7: Underground Storage Tanks on Indian Land

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

Date of Government Version: 09/01/2016	Source: EPA Region 7
Date Data Arrived at EDR: 01/26/2017	Telephone: 913-551-7003
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 11/08/2017
	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: 01/14/2017	Source: EPA Region 5
Date Data Arrived at EDR: 01/26/2017	Telephone: 312-886-6136
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 11/08/2017
	Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations).

Date of Government Version: 10/14/2016	Source: EPA Region 4
Date Data Arrived at EDR: 01/27/2017	Telephone: 404-562-9424
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 07/28/2017
Number of Days to Update: 98	Next Scheduled EDR Contact: 11/08/2017
	Data Release Frequency: Semi-Annually

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: 11/14/2016	Source: EPA, Region 1
Date Data Arrived at EDR: 01/26/2017	Telephone: 617-918-1313
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 11/08/2017
	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: 10/17/2016	Source: EPA Region 8
Date Data Arrived at EDR: 01/26/2017	Telephone: 303-312-6137
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 11/08/2017
	Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/07/2016	Source: EPA Region 10
Date Data Arrived at EDR: 01/26/2017	Telephone: 206-553-2857
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 11/08/2017
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R9: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/06/2016	Source: EPA Region 9
Date Data Arrived at EDR: 01/26/2017	Telephone: 415-972-3368
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 11/08/2017
	Data Release Frequency: Quarterly

State and tribal institutional control / engineering control registries

AUL: Sites with Controls

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

Date of Government Version: 11/01/2016	Source: Department of Natural Resources
Date Data Arrived at EDR: 11/16/2016	Telephone: 573-751-3176
Date Made Active in Reports: 02/28/2017	Last EDR Contact: 08/17/2017
Number of Days to Update: 104	Next Scheduled EDR Contact: 11/27/2017
	Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Listing

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

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

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015	Source: EPA, Region 1
Date Data Arrived at EDR: 09/29/2015	Telephone: 617-918-1102
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 06/27/2017
Number of Days to Update: 142	Next Scheduled EDR Contact: 10/09/2017
	Data Release Frequency: Varies

VCP: Sites Participating in the Voluntary Cleanup Program

Sites participating in the Voluntary Cleanup Program.

Date of Government Version: 11/01/2016	Source: Department of Natural Resources
Date Data Arrived at EDR: 11/16/2016	Telephone: 573-526-8913
Date Made Active in Reports: 02/28/2017	Last EDR Contact: 08/17/2017
Number of Days to Update: 104	Next Scheduled EDR Contact: 11/27/2017
	Data Release Frequency: Semi-Annually

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Site List

Brownfields are sites where redevelopment and reuse is hampered by known or suspected contamination with hazardous substances. While many brownfield sites are minimally contaminated, potential environmental liability can be a problem for owners, operators, prospective buyers and financial institutions. Because of the large number of these sites, their economic impact especially in heavily industrial areas is substantial.

Date of Government Version: 11/01/2016	Source: Department of Natural Resources
Date Data Arrived at EDR: 11/16/2016	Telephone: 573-526-8913
Date Made Active in Reports: 02/28/2017	Last EDR Contact: 08/17/2017
Number of Days to Update: 104	Next Scheduled EDR Contact: 11/27/2017
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

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

Date of Government Version: 03/02/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/02/2017	Telephone: 202-566-2777
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 06/20/2017
Number of Days to Update: 36	Next Scheduled EDR Contact: 10/02/2017
	Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: Solid Waste Recycling Facilities

A listing of recycling center locations.

Date of Government Version: 09/17/2016	Source: Department of Natural Resources
Date Data Arrived at EDR: 09/20/2016	Telephone: 573-526-3944
Date Made Active in Reports: 11/03/2016	Last EDR Contact: 08/25/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 12/11/2017
	Data Release Frequency: Varies

HIST LF: Solid Waste Facility Database List

This database contains detailed information per site. It is no longer maintained by the Department of Natural Resources. For current information on solid waste facilities/landfills see the SWF/LF database.

Date of Government Version: 04/12/2005	Source: Department of Natural Resources
Date Data Arrived at EDR: 07/19/2006	Telephone: 573-751-5401
Date Made Active in Reports: 08/18/2006	Last EDR Contact: 01/12/2009
Number of Days to Update: 30	Next Scheduled EDR Contact: 04/13/2009
	Data Release Frequency: No Update Planned

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

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 08/01/2017
Number of Days to Update: 52	Next Scheduled EDR Contact: 11/13/2017
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

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

Date of Government Version: 01/12/2009	Source: EPA, Region 9
Date Data Arrived at EDR: 05/07/2009	Telephone: 415-947-4219
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 07/24/2017
Number of Days to Update: 137	Next Scheduled EDR Contact: 11/08/2017
	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	Source: Department of Health & Human Services, Indian Health Service
Date Data Arrived at EDR: 08/06/2014	Telephone: 301-443-1452
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 08/29/2017
Number of Days to Update: 176	Next Scheduled EDR Contact: 11/13/2017
	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: 02/09/2017	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 03/08/2017	Telephone: 202-307-1000
Date Made Active in Reports: 06/09/2017	Last EDR Contact: 02/28/2017
Number of Days to Update: 93	Next Scheduled EDR Contact: 06/12/2017
	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: 12/08/2016	Source: Department of Natural Resources
Date Data Arrived at EDR: 12/14/2016	Telephone: 573-751-3443
Date Made Active in Reports: 02/28/2017	Last EDR Contact: 06/14/2017
Number of Days to Update: 76	Next Scheduled EDR Contact: 09/25/2017
	Data Release Frequency: Varies

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: 09/29/2016	Source: Department of Natural Resources
Date Data Arrived at EDR: 01/12/2017	Telephone: 573-522-3710
Date Made Active in Reports: 02/28/2017	Last EDR Contact: 08/08/2017
Number of Days to Update: 47	Next Scheduled EDR Contact: 12/11/2017
	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: 02/09/2017	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 03/08/2017	Telephone: 202-307-1000
Date Made Active in Reports: 06/09/2017	Last EDR Contact: 05/31/2017
Number of Days to Update: 93	Next Scheduled EDR Contact: 09/11/2017
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/18/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/18/2014	Telephone: 202-564-6023
Date Made Active in Reports: 04/24/2014	Last EDR Contact: 07/26/2017
Number of Days to Update: 37	Next Scheduled EDR Contact: 11/08/2017
	Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/28/2016	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 12/28/2016	Telephone: 202-366-4555
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 06/28/2017
Number of Days to Update: 37	Next Scheduled EDR Contact: 10/09/2017
	Data Release Frequency: Annually

SPILLS: Environmental Response Tracking Database

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

Date of Government Version: 12/08/2016	Source: Department of Natural Resources
Date Data Arrived at EDR: 12/14/2016	Telephone: 573-526-3349
Date Made Active in Reports: 02/28/2017	Last EDR Contact: 06/14/2017
Number of Days to Update: 76	Next Scheduled EDR Contact: 09/25/2017
	Data Release Frequency: Semi-Annually

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/27/2012	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 02/22/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 50	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

Other Ascertainable Records

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

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

Date of Government Version: 12/12/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/28/2016	Telephone: 913-551-7003
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 08/11/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 10/09/2017
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 07/08/2015	Telephone: 202-528-4285
Date Made Active in Reports: 10/13/2015	Last EDR Contact: 08/25/2017
Number of Days to Update: 97	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: Varies

DOD: Department of Defense Sites

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

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 07/12/2017
Number of Days to Update: 62	Next Scheduled EDR Contact: 10/23/2017
	Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

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

Date of Government Version: 12/31/2005	Source: U.S. Geological Survey
Date Data Arrived at EDR: 02/06/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 07/14/2017
Number of Days to Update: 339	Next Scheduled EDR Contact: 10/23/2017
	Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/03/2017	Telephone: 615-532-8599
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 08/18/2017
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/27/2017
	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: 02/13/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/15/2017	Telephone: 202-566-1917
Date Made Active in Reports: 05/12/2017	Last EDR Contact: 08/11/2017
Number of Days to Update: 86	Next Scheduled EDR Contact: 10/09/2017
	Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 08/07/2017
Next Scheduled EDR Contact: 11/20/2017
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

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

Date of Government Version: 04/22/2013
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 08/24/2017
Next Scheduled EDR Contact: 11/20/2017
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 01/15/2015
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 14

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/21/2017
Next Scheduled EDR Contact: 10/02/2017
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: 12/31/2014
Date Data Arrived at EDR: 11/24/2015
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 133

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/23/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/28/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Annually

ROD: Records Of Decision

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

Date of Government Version: 11/25/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 74

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 06/09/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 02/01/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/09/2017	Telephone: 202-564-8600
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 07/24/2017
Number of Days to Update: 57	Next Scheduled EDR Contact: 11/08/2017
	Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

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

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

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 10/17/2014	Telephone: 202-564-6023
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 08/08/2017
Number of Days to Update: 3	Next Scheduled EDR Contact: 11/20/2017
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

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

Date of Government Version: 01/20/2016	Source: EPA
Date Data Arrived at EDR: 04/28/2016	Telephone: 202-566-0500
Date Made Active in Reports: 09/02/2016	Last EDR Contact: 04/10/2017
Number of Days to Update: 127	Next Scheduled EDR Contact: 07/24/2017
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

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

Date of Government Version: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 07/28/2017
Number of Days to Update: 79	Next Scheduled EDR Contact: 10/23/2017
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

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

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

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

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

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

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System

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

Date of Government Version: 08/30/2016
Date Data Arrived at EDR: 09/08/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 43

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 08/01/2017
Next Scheduled EDR Contact: 11/20/2017
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 06/05/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 06/05/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

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

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 07/28/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Varies

RADINFO: Radiation Information Database

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/04/2017
Date Data Arrived at EDR: 01/06/2017
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 07/12/2017
Next Scheduled EDR Contact: 10/16/2017
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

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

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

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

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

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

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

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

DOT OPS: Incident and Accident Data

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

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

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 08/01/2017
Next Scheduled EDR Contact: 11/13/2017
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

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

Date of Government Version: 09/30/2016
Date Data Arrived at EDR: 11/18/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 77

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 06/21/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: Varies

BRS: Biennial Reporting System

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

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 02/24/2015
Date Made Active in Reports: 09/30/2015
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 08/25/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Biennially

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN RESERV: Indian Reservations

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

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/11/2017
Next Scheduled EDR Contact: 10/23/2017
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

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

Date of Government Version: 12/23/2016
Date Data Arrived at EDR: 12/27/2016
Date Made Active in Reports: 02/17/2017
Number of Days to Update: 52

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 08/03/2017
Next Scheduled EDR Contact: 11/20/2017
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: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 08/22/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 12/05/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 07/07/2017
Next Scheduled EDR Contact: 10/16/2017
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

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

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

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

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

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 08/11/2017
Next Scheduled EDR Contact: 10/09/2017
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: 08/11/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: Annually

US MINES: Mines Master Index File

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

Date of Government Version: 02/08/2017
Date Data Arrived at EDR: 02/28/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 38

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 05/31/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/31/2017
Next Scheduled EDR Contact: 09/11/2017
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: 06/02/2017
Next Scheduled EDR Contact: 09/11/2017
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: 03/14/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 21

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 06/09/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FINDS: Facility Index System/Facility Registry System

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

Date of Government Version: 04/04/2017	Source: EPA
Date Data Arrived at EDR: 04/07/2017	Telephone: (913) 551-7003
Date Made Active in Reports: 05/12/2017	Last EDR Contact: 06/07/2017
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/18/2017
	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: 03/19/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/21/2017	Telephone: 202-564-2280
Date Made Active in Reports: 05/12/2017	Last EDR Contact: 06/07/2017
Number of Days to Update: 52	Next Scheduled EDR Contact: 09/18/2017
	Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

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

Date of Government Version: 06/02/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/03/2016	Telephone: 202-564-0527
Date Made Active in Reports: 09/02/2016	Last EDR Contact: 08/24/2017
Number of Days to Update: 91	Next Scheduled EDR Contact: 12/11/2017
	Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 10/25/2015	Source: Department of Defense
Date Data Arrived at EDR: 01/29/2016	Telephone: 571-373-0407
Date Made Active in Reports: 04/05/2016	Last EDR Contact: 07/17/2017
Number of Days to Update: 67	Next Scheduled EDR Contact: 10/30/2017
	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: 02/22/2017	Source: EPA
Date Data Arrived at EDR: 02/22/2017	Telephone: 800-385-6164
Date Made Active in Reports: 05/12/2017	Last EDR Contact: 08/17/2017
Number of Days to Update: 79	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: Quarterly

AIRS: Permit Facility Listing

A listing of Air Pollution Control Program permits.

Date of Government Version: 07/07/2016	Source: Department of Natural Resources
Date Data Arrived at EDR: 07/11/2016	Telephone: 573-751-4817
Date Made Active in Reports: 08/05/2016	Last EDR Contact: 06/12/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 09/25/2017
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH: Coal Ash Disposal Sites

A listing of power plants with coal ash ponds.

Date of Government Version: 01/14/2016

Date Data Arrived at EDR: 04/08/2016

Date Made Active in Reports: 05/10/2016

Number of Days to Update: 32

Source: Department of Natural Resources

Telephone: 573-526-1825

Last EDR Contact: 06/29/2017

Next Scheduled EDR Contact: 10/16/2017

Data Release Frequency: Varies

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: 12/08/2016

Date Data Arrived at EDR: 12/14/2016

Date Made Active in Reports: 02/28/2017

Number of Days to Update: 76

Source: Department of Natural Resources

Telephone: 573-526-8913

Last EDR Contact: 06/14/2017

Next Scheduled EDR Contact: 09/25/2017

Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information.

Date of Government Version: 12/05/2016

Date Data Arrived at EDR: 12/09/2016

Date Made Active in Reports: 02/28/2017

Number of Days to Update: 81

Source: Department of Natural Resources

Telephone: 573-751-3553

Last EDR Contact: 06/05/2017

Next Scheduled EDR Contact: 09/18/2017

Data Release Frequency: Varies

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: 12/06/2016

Date Data Arrived at EDR: 12/08/2016

Date Made Active in Reports: 02/28/2017

Number of Days to Update: 82

Source: Department of Natural Resources

Telephone: 573-751-5401

Last EDR Contact: 06/08/2017

Next Scheduled EDR Contact: 09/18/2017

Data Release Frequency: Varies

MINES: Industrial Mineral Mines Database

This data set contains names, locations and additional data for active Industrial Mineral Mines permitted with the Missouri Department of Natural Resources, Division of Environmental Quality, Land Reclamation Program. Industrial Mineral Mines permitted are rock quarries, clay pits, sand and gravel pits, or in-stream sand and gravel operations.

Date of Government Version: 09/12/2014

Date Data Arrived at EDR: 10/23/2014

Date Made Active in Reports: 12/01/2014

Number of Days to Update: 39

Source: Department of Natural Resources

Telephone: 573-751-4041

Last EDR Contact: 07/21/2017

Next Scheduled EDR Contact: 10/30/2017

Data Release Frequency: Varies

NPDES: Permitted Facility Listing

A listing of permitted facilities from the Water Pollution Branch.

Date of Government Version: 01/05/2017

Date Data Arrived at EDR: 01/10/2017

Date Made Active in Reports: 02/28/2017

Number of Days to Update: 49

Source: Department of Natural Resources

Telephone: 573-751-7023

Last EDR Contact: 06/29/2017

Next Scheduled EDR Contact: 10/16/2017

Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RRC: Certified Hazardous Waste Resource Recovery Facilities

Facilities that take hazardous waste material, either from on-site or off-site, and make it re-usable.

Date of Government Version: 12/23/2016

Source: Department of Natural Resources

Date Data Arrived at EDR: 12/28/2016

Telephone: 573-751-3176

Date Made Active in Reports: 02/28/2017

Last EDR Contact: 06/23/2017

Number of Days to Update: 62

Next Scheduled EDR Contact: 09/25/2017

Data Release Frequency: Semi-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: 09/02/2016

Source: Department of Natural Resources

Date Data Arrived at EDR: 11/02/2016

Telephone: 573-751-3043

Date Made Active in Reports: 02/28/2017

Last EDR Contact: 08/03/2017

Number of Days to Update: 118

Next Scheduled EDR Contact: 11/13/2017

Data Release Frequency: Varies

UIC: Underground Injection Wells Database

A listing of underground injection well locations. The UIC Program is responsible for regulating the construction, operation, permitting, and closure of injection wells that place fluids underground for storage or disposal.

Date of Government Version: 07/07/2016

Source: Department of Natural Resources

Date Data Arrived at EDR: 08/23/2016

Telephone: 573-368-2183

Date Made Active in Reports: 10/24/2016

Last EDR Contact: 08/25/2017

Number of Days to Update: 62

Next Scheduled EDR Contact: 12/04/2017

Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

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

Date of Government Version: N/A

Source: EDR, Inc.

Date Data Arrived at EDR: N/A

Telephone: N/A

Date Made Active in Reports: N/A

Last EDR Contact: N/A

Number of Days to Update: N/A

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historic Gas Stations

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

Date of Government Version: N/A

Source: EDR, Inc.

Date Data Arrived at EDR: N/A

Telephone: N/A

Date Made Active in Reports: N/A

Last EDR Contact: N/A

Number of Days to Update: N/A

Next Scheduled EDR Contact: N/A

Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR Hist Cleaner: EDR Exclusive Historic Dry Cleaners

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

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

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	Source: Department of Natural Resources
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 01/03/2014	Last EDR Contact: 06/01/2012
Number of Days to Update: 186	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Natural Resources in Missouri.

Date of Government Version: N/A	Source: Department of Natural Resources
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 01/15/2014	Last EDR Contact: 06/01/2012
Number of Days to Update: 198	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	Source: Department of Natural Resources
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 01/03/2014	Last EDR Contact: 06/01/2012
Number of Days to Update: 186	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013
Date Data Arrived at EDR: 08/19/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 11/27/2017
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: 01/30/2017
Date Data Arrived at EDR: 02/01/2017
Date Made Active in Reports: 02/13/2017
Number of Days to Update: 12

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 08/03/2017
Next Scheduled EDR Contact: 11/13/2017
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 07/22/2016
Date Made Active in Reports: 11/22/2016
Number of Days to Update: 123

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/17/2017
Next Scheduled EDR Contact: 10/30/2017
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

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

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/21/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 04/13/2017
Date Made Active in Reports: 07/14/2017
Number of Days to Update: 92

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/12/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: PennWell Corporation

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data

Source: PennWell Corporation

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Child Care Facilities

Source: Department of Health & Senior Services

Telephone: 573-751-2450

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: National Wetland Inventory of Missouri

Source: Department of Natural Resources

Telephone: 573-751-5110

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK® - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

16911 WILDHORSE CREEK ROAD
16911 WILDHORSE CREEK ROAD
CHESTERFIELD, MO 63005

TARGET PROPERTY COORDINATES

Latitude (North): 38.656224 - 38° 39' 22.41"
Longitude (West): 90.594902 - 90° 35' 41.65"
Universal Transverse Mercator: Zone 15
UTM X (Meters): 709284.6
UTM Y (Meters): 4281166.0
Elevation: 462 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map: 6725237 CHESTERFIELD, MO
Version Date: 2015

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

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

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

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

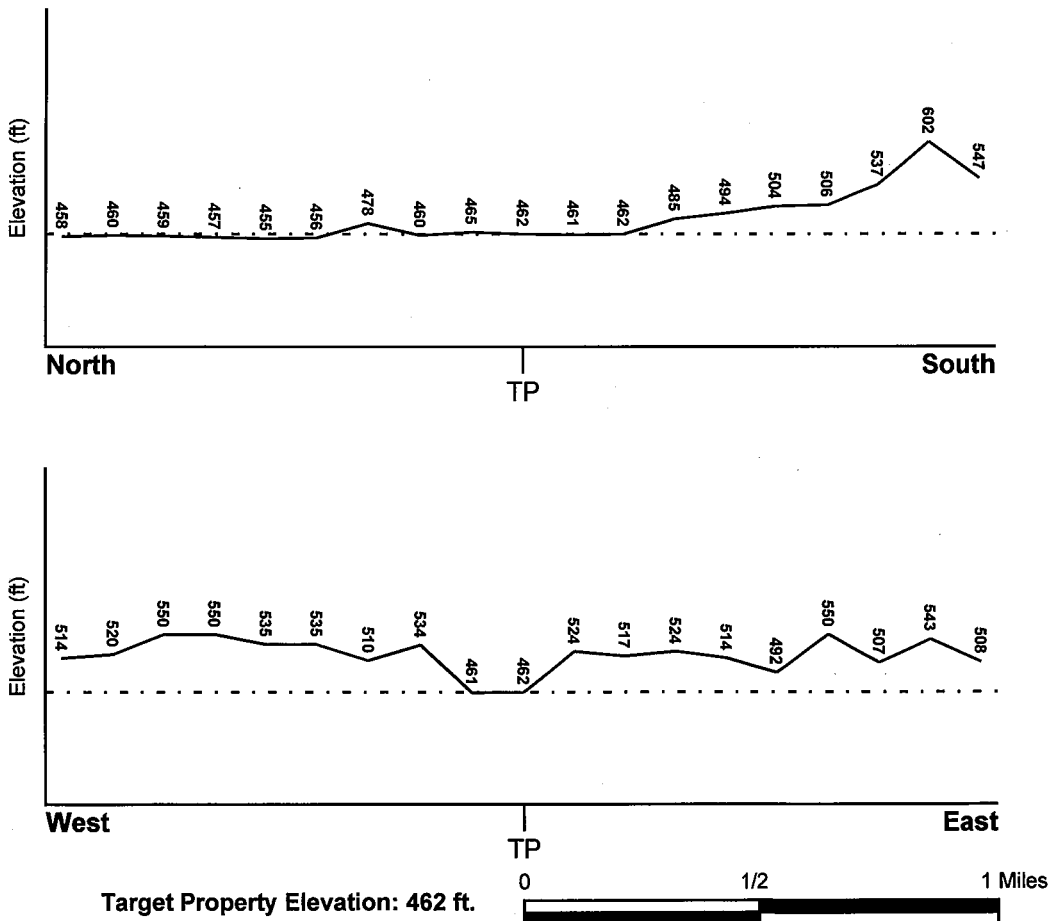
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

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

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

FEMA FLOOD ZONE

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
29189C0163K	FEMA FIRM Flood data

<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
29189C0165K	FEMA FIRM Flood data
29189C0164K	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

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

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

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

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

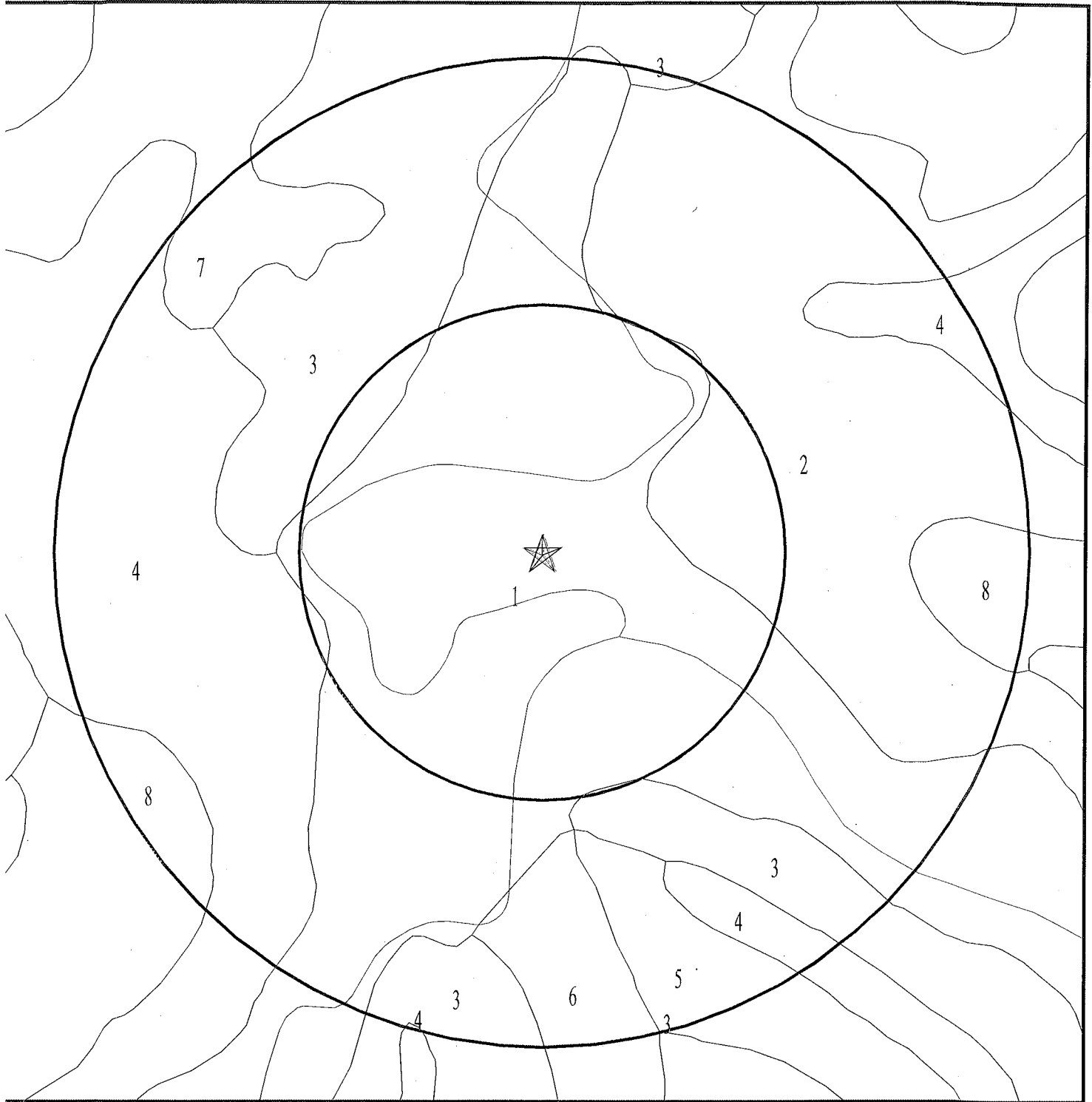
ROCK STRATIGRAPHIC UNIT

GEOLOGIC AGE IDENTIFICATION

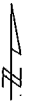
Era:	Paleozoic	Category:	Stratified Sequence
System:	Mississippian		
Series:	Osagean and Kinderhookian Series		
Code:	M1 <i>(decoded above as Era, System & Series)</i>		

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 - 5037040.2s



- ★ Target Property
- ∨ SSURGO Soil
- ∨ Water



SITE NAME: 16911 Wildhorse Creek Road
ADDRESS: 16911 Wildhorse Creek Road
Chesterfield MO 63005
LAT/LONG: 38.656224 / 90.594902

CLIENT: SCI Engineering, Inc.
CONTACT: Heather Martin
INQUIRY #: 5037040.2s
DATE: August 30, 2017 3:22 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

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

Soil Map ID: 1

Soil Component Name: 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

Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	14 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 6.1
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: 2

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	12 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 5.1
2	12 inches	16 inches	silty clay loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 5.1
3	16 inches	55 inches	silty clay loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 5.1
4	55 inches	59 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 5.6

Soil Map ID: 3

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							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	12 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 5.1

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	12 inches	16 inches	silty clay loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 5.1
3	16 inches	55 inches	silty clay loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 5.1
4	55 inches	59 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 5.6

Soil Map ID: 4

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							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	12 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 5.1
2	12 inches	16 inches	silty clay loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 5.1
3	16 inches	55 inches	silty clay loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 5.1
4	55 inches	59 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 5.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 5

Soil Component Name: Goss

Soil Surface Texture: gravelly silt loam

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

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	16 inches	gravelly silt loam	Not reported	Not reported	Max: 42 Min: 14	Max: 6.5 Min: 4.5
2	16 inches	27 inches	very gravelly silt loam	Not reported	Not reported	Max: 42 Min: 14	Max: 7.3 Min: 4.5
3	27 inches	55 inches	extremely gravelly silty clay	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 4.5
4	55 inches	59 inches	silty clay	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 4.5

Soil Map ID: 6

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	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: 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							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	12 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 5.1

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	12 inches	16 inches	silty clay loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 5.1
3	16 inches	55 inches	silty clay loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 5.1
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: 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							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	12 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 5.1
2	12 inches	16 inches	silty clay loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 5.1
3	16 inches	55 inches	silty clay loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 5.1
4	55 inches	59 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 5.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

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

WELL SEARCH DISTANCE INFORMATION

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

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A1	USGS40000695122	1/2 - 1 Mile East
5	USGS40000695163	1/2 - 1 Mile ENE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

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

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

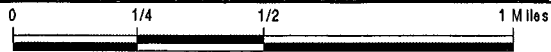
STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A2	MOLOG1000018461	1/2 - 1 Mile ENE
3	MOLOG1000018439	1/2 - 1 Mile West
4	MOLOG1000018465	1/2 - 1 Mile ENE

PHYSICAL SETTING SOURCE MAP - 5037040.2s



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



- ↑ Groundwater Flow Direction
- ⊙(GI) Indeterminate Groundwater Flow at Location
- ⊙(GV) Groundwater Flow Varies at Location
- Oil, gas or related wells



SITE NAME: 16911 Wildhorse Creek Road
 ADDRESS: 16911 Wildhorse Creek Road
 Chesterfield MO 63005
 LAT/LONG: 38.656224 / 90.594902

CLIENT: SCI Engineering, Inc.
 CONTACT: Heather Martin
 INQUIRY #: 5037040.2s
 DATE: August 30, 2017 3:21 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A1
East
1/2 - 1 Mile
Higher

FED USGS USGS40000695122

Org. Identifier:	USGS-MO		
Formal name:	USGS Missouri Water Science Center		
Monloc Identifier:	USGS-383929090345101		
Monloc name:	T45N R04E 09BBC1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	10300200	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	38.6581083
Longitude:	-90.5809566	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	550
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Ozark Plateaus aquifer system		
Formation type:	Bedrock		
Aquifer type:	Not Reported		
Construction date:	19390000	Welldepth:	235
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

	Feet below	Feet to
Date	Surface	Sealevel

1939-09-01	73	

A2
ENE
1/2 - 1 Mile
Higher

MO WELLS MOLOG1000018461

Id:	005603	Located:	Y
Notenough:	Not Reported	Scale:	24k
Locator:	Michael Lemon - Interpolated	Sname:	MISSOURI
Stabbrev:	MO	County:	ST. LOUIS
Utm x:	710507.81408		
Utm y:	4281470.90704		
Latitude:	38.65868		
Longitude:	-90.58076		
Qtr3:	SW	Qtr2:	NW
Qtr1:	NW		
Section:	9		
Tnsp:	45		
Tnspdir:	Not Reported		
Rng:	4		
Rngdir:	E		
Plssx:	710422		
Plssy:	4280973		
Location p:	30		
Elev:	550		
Idnum:	5603		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Swl: 73
 Quadrangle: CHESTERFIELD Site id: MOLOG1000018461

Header Information:

<p>Id: 005603 Agencyname: GEOLOGICAL SURVEY (DGLS) Fips: 189 Stabbrev: MO Qtr2: NW Section: 09 Tnspdir: N Rngdir: E Latitude: 38.65868 Longitude: -90.58076 Utm x: 710507.81408 Utm y: 4281470.90704 Quadmap na: CHESTERFIELD Limeas: D Locator: Interpolated Typelog2: Not Reported Ownerind: 0 Leasenam: Not Reported Dridate: 1939/09/ Logdate: Not Reported Elev: 550 Elevbase: S Gpmcfs: G Depthbed: 30 Sampsav: 0 Swlb: Not Reported Water at: Not Reported Totdepth: 235 Formation1: FERN GLEN FORMATION Intcrdtp: 0 Intcrdbt: 0 Drawdown: Not Reported Confind: 0 Probind1: Not Reported Probind3: Not Reported Alagency1: Not Reported Addition 1: Not Reported Alnum2: Not Reported Add data 3: Not Reported Remarks: CHESTERFIELD C total: 57 C remarks: Not Reported</p>	<p>Well type: Private Well County: ST. LOUIS Sname: MISSOURI Qtr3: SW Qtr1: NW Tnsp: 45 Rng: 04 Ohio code: 38090F5 Scale: 24k Typelog1: S Typelog3: Not Reported Owner: Spackler, Richard Driller: Hoppe, F. Permit: Not Reported Logger: Grohskopf Prodyld: 30 Swla: 73 Formation : KEOKUK-BURLINGTON LS. UNDIFF Aquaclass: Not Reported Reidate: Not Reported Probind2: Not Reported Additional: Not Reported Add databa: Not Reported Add data 1: Not Reported Add data 2: Not Reported Rmkind: N C plugind: N</p>
---	---

Construction Information:

<p>Id: 005603 Agencyname: GEOLOGICAL SURVEY (DGLS) Plugind: N Casemat1: Not Reported Cas1dpth: 57 Cas1diam: 0 Cas2dpth: 0 Cas2diam: 0 Cas3dpth: 0 Cas3diam: 0</p>	<p>Well type: Private Well Datecomp: 193909 Dateplug: Not Reported Casemat2: Not Reported</p>
--	--

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Cas4dpth:	0		
Cas4diam:	0		
Inout1:	0	Typgrr1:	Not Reported
Typgrr2:	Not Reported	Typgrr3:	Not Reported
Mthgrout:	Not Reported	Rigtype:	Not Reported
Weltreat:	Not Reported	Rmkind:	Not Reported
Dateabnd:	Not Reported		
Plgdpt1b:	0		
Plgdpt1t:	0		
Multcase:	N		
Szcashol:	0		
Szbelcas:	0		
Sizscrn:	0		
Slotsize:	0		
Lenscrn:	0		
Typescrn:	Not Reported	Typedev:	Not Reported
Typepump:	Not Reported		
Pumpcap:	0		
Pumptdh:	0		
Pumpset:	0		
Typecomp:	Not Reported		
Perfintt:	0		
Perfintb:	0		
Oilprod:	Not Reported	Gasprod:	Not Reported
TubePRES:	Not Reported	Remarks:	Not Reported
Other data:	Not Reported	Formation :	KEOKUK-BURLINGTON LS. UNDIFF
Formation1:	FERN GLEN FORMATION		

Strata Information:

Id:	005603	Stratordr:	0
Fmtp:	0		
Fmbot:	30		
Formation :	NO SAMPLES		
Primlith:	Not Reported		
Secclith:	Not Reported	Minlith:	Not Reported
Primmin:	Not Reported		
Primocc:	0		
Secmin:	Not Reported		
Secocc:	0		
Minrmin:	Not Reported		
Minrocc:	0		
Rmk20:	Not Reported		

Strata Information:

Id:	005603	Stratordr:	28400
Fmtp:	30		
Fmbot:	235		
Formation :	MISSISSIPPIAN SYSTEM		
Primlith:	Not Reported		
Secclith:	Not Reported	Minlith:	Not Reported
Primmin:	Not Reported		
Primocc:	0		
Secmin:	Not Reported		
Secocc:	0		
Minrmin:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Minrocc: 0
Rmk20: Not Reported

Strata Information:

Id:	005603	Stratordr:	31800
Fmtop:	30		
Fmbot:	235		
Formation :	OSAGEAN SERIES		
Prmlith:	Not Reported		
Seclith:	Not Reported	Minlith:	Not Reported
Primmin:	Not Reported		
Primocc:	0		
Secmin:	Not Reported		
Secocc:	0		
Minrmin:	Not Reported		
Minrocc:	0		
Rmk20:	Not Reported		

Strata Information:

Id:	005603	Stratordr:	32200
Fmtop:	30		
Fmbot:	170		
Formation :	KEOKUK-BURLINGTON LS. UNDIFF		
Prmlith:	LIMESTONE		
Seclith:	CHERT	Minlith:	DOLOMITE
Primmin:	Not Reported		
Primocc:	0		
Secmin:	Not Reported		
Secocc:	0		
Minrmin:	Not Reported		
Minrocc:	0		
Rmk20:	Not Reported		

Strata Information:

Id:	005603	Stratordr:	33400
Fmtop:	170		
Fmbot:	235		
Formation :	FERN GLEN FORMATION		
Prmlith:	LIMESTONE		
Seclith:	CHERT	Minlith:	Not Reported
Primmin:	Not Reported		
Primocc:	0		
Secmin:	Not Reported		
Secocc:	0		
Minrmin:	Not Reported		
Minrocc:	0		
Rmk20:	Not Reported		

Strata Information:

Id:	005603	Stratordr:	99900
Fmtop:	235		
Fmbot:	235		
Formation :	TOTAL DEPTH		
Prmlith:	Not Reported		
Seclith:	Not Reported	Minlith:	Not Reported
Primmin:	Not Reported		
Primocc:	0		
Secmin:	Not Reported		
Secocc:	0		
Minrmin:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Minrocc: 0
Rmk20: Not Reported

3
West
1/2 - 1 Mile
Higher

MO WELLS MOLOG1000018439

Id:	009911	Located:	Y
Notenough:	Not Reported	Scale:	24k
Locator:	Michael Lemon - Interpolated	Sname:	MISSOURI
Stabbrev:	MO	County:	ST. LOUIS
Utm x:	707958.03226		
Utm y:	4281000.31344		
Latitude:	38.65504		
Longitude:	-90.61018		
Qtr3:	NW	Qtr2:	NW
Qtr1:	SE		
Section:	7		
Tnsp:	45		
Tnspdir:	Not Reported		
Rng:	4		
Rngdir:	E		
Plssx:	707354		
Plssy:	4280540		
Location p:	12		
Elev:	507		
Idnum:	9911		
Swl:	57		
Quadrangle:	CHESTERFIELD	Site id:	MOLOG1000018439

Header Information:

Id:	009911	Well type:	Private Well
Agencyname:	GEOLOGICAL SURVEY (DGLS)	County:	ST. LOUIS
Fips:	189	Sname:	MISSOURI
Stabbrev:	MO	Qtr3:	NW
Qtr2:	NW	Qtr1:	SE
Section:	07	Tnsp:	45
Tnspdir:	N	Rng:	04
Rngdir:	E		
Latitude:	38.65504		
Longitude:	-90.61018		
Utm x:	707958.03226		
Utm y:	4281000.31344		
Quadmap na:	CHESTERFIELD	Ohio code:	38090F5
Limeas:	D	Scale:	24k
Locator:	Interpolated	Typelog1:	S
Typelog2:	Not Reported	Typelog3:	Not Reported
Ownerind:	0	Owner:	Whissell, R.F.
Leasenam:	Not Reported	Driller:	Shepard Brothers
Drldate:	1948/02/18	Permit:	Not Reported
Logdate:	1946/02/25	Logger:	McCracken
Elev:	507		
Elevbase:	S	Prodyld:	3
Gpmcfs:	G		
Depthbed:	55		
Sampsav:	0	Swla:	57
Swlb:	Not Reported		
Water at:	60		
Totdepth:	87	Formation :	BURLINGTON LIMESTONE
Formation1:	BURLINGTON LIMESTONE		
Intrcdtp:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Intcrdbt:	0	Aquclass:	Not Reported
Drawdown:	Not Reported	Reidate:	Not Reported
Confind:	0	Probind2:	Not Reported
Probind1:	Not Reported	Additional:	Not Reported
Probind3:	Not Reported	Add databa:	Not Reported
Alagency1:	Not Reported	Add data 1:	Not Reported
Addition 1:	Not Reported	Add data 2:	Not Reported
Alnum2:	Not Reported	Rmkind:	N
Add data 3:	Not Reported	C plugind:	N
Remarks:	2.5 MI W OF CHESTERFIELD		
C total:	55		
C remarks:	Not Reported		

Construction Information:

Id:	009911	Well type:	Private Well
Agencyname:	GEOLOGICAL SURVEY (DGLS)	Datecomp:	194802
Plugind:	N	Dateplug:	Not Reported
Casemat1:	Not Reported	Casemat2:	Not Reported
Cas1dpth:	55		
Cas1diam:	6.25		
Cas2dpth:	0		
Cas2diam:	0		
Cas3dpth:	0		
Cas3diam:	0		
Cas4dpth:	0		
Cas4diam:	0		
Inout1:	0	Typgrr1:	Not Reported
Typgrr2:	Not Reported	Typgrr3:	Not Reported
Mthgrout:	Not Reported	Rigtype:	Not Reported
Weltreat:	Not Reported	Rmkind:	Not Reported
Dateabnd:	Not Reported		
Plgdpt1b:	0		
Plgdpt1t:	0		
Multcase:	N		
Szcashol:	0		
Szbelcas:	0		
Sizscrn:	0		
Slotsize:	0		
Lenscrn:	0		
Typescrn:	Not Reported	Typedev:	Not Reported
Typepump:	Not Reported		
Pumpcap:	0		
Pumpthd:	0		
Pumpset:	0		
Typecomp:	Not Reported		
Perfintt:	0		
Perfintb:	0		
Oilprod:	Not Reported	Gasprod:	Not Reported
Tubepres:	Not Reported	Remarks:	Not Reported
Other data:	Not Reported	Formation :	BURLINGTON LIMESTONE
Formation1:	BURLINGTON LIMESTONE		

Strata Information:

Id:	009911	Stratordr:	0
Fmtop:	0		
Fmbot:	55		
Formation :	NO SAMPLES		
Primlith:	Not Reported		
Seclith:	Not Reported	Minlith:	Not Reported
Primmin:	Not Reported		
Primocc:	0		
Secmin:	Not Reported		
Secocc:	0		
Minrmin:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Minrocc: 0
Rmk20: Not Reported

Strata Information:

Id:	009911	Stratordr:	32300
Fmtop:	55		
Fmbot:	87		
Formation :	BURLINGTON LIMESTONE		
Primlith:	LIMESTONE		
Seclith:	CHERT	Minlith:	Not Reported
Primmin:	Not Reported		
Primocc:	0		
Secmin:	Not Reported		
Secocc:	0		
Minrmin:	Not Reported		
Minrocc:	0		
Rmk20:	Not Reported		

Strata Information:

Id:	009911	Stratordr:	32300
Fmtop:	55		
Fmbot:	87		
Formation :	BURLINGTON LIMESTONE		
Primlith:	LIMESTONE		
Seclith:	CHERT	Minlith:	Not Reported
Primmin:	Not Reported		
Primocc:	0		
Secmin:	Not Reported		
Secocc:	0		
Minrmin:	Not Reported		
Minrocc:	0		
Rmk20:	Not Reported		

Strata Information:

Id:	009911	Stratordr:	99900
Fmtop:	87		
Fmbot:	87		
Formation :	TOTAL DEPTH		
Primlith:	Not Reported		
Seclith:	Not Reported	Minlith:	Not Reported
Primmin:	Not Reported		
Primocc:	0		
Secmin:	Not Reported		
Secocc:	0		
Minrmin:	Not Reported		
Minrocc:	0		
Rmk20:	Not Reported		

4
ENE
1/2 - 1 Mile
Higher

MO WELLS MOLOG1000018465

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Id:	008313	Located:	Y
Notenough:	Not Reported	Scale:	24k
Locator:	Michael Lemon - Interpolated	Sname:	MISSOURI
Stabbrev:	MO	County:	ST. LOUIS
Utm x:	710753.03252		
Utm y:	4281578.0635		
Latitude:	38.65959		
Longitude:	-90.57792		
Qtr3:	SW	Qtr2:	NE
Qtr1:	NW		
Section:	9		
Tnsp:	45		
Tnspdir:	Not Reported		
Rng:	4		
Rngdir:	E		
Plssx:	710422		
Plssy:	4280973		
Location p:	30		
Elev:	508		
Idnum:	8313		
Swl:	50		
Quadrangle:	CHESTERFIELD	Site id:	MOLOG1000018465

Header Information:

Id:	008313	Well type:	Noncommunity Public Well
Agencyname:	GEOLOGICAL SURVEY (DGLS)	County:	ST. LOUIS
Fips:	189	Sname:	MISSOURI
Stabbrev:	MO	Qtr3:	SW
Qtr2:	NE	Qtr1:	NW
Section:	09	Tnsp:	45
Tnspdir:	N	Rng:	04
Rngdir:	E		
Latitude:	38.65959		
Longitude:	-90.57792		
Utm x:	710753.03252		
Utm y:	4281578.0635		
Quadmap na:	CHESTERFIELD	Ohio code:	38090F5
Lrmeas:	D	Scale:	24k
Locator:	Interpolated	Typelog1:	S
Typelog2:	Not Reported	Typelog3:	Not Reported
Ownerind:	1	Owner:	Ascension Church (Chesterfield)
Leasenam:	Not Reported	Driller:	Hoppe, F.D.
Dridate:	1942//	Permit:	Not Reported
Logdate:	1943/08/	Logger:	Grohskopf
Elev:	508		
Elevbase:	S	Prodyld:	5
Gpmcfs:	G		
Depthbed:	120		
Sampsav:	0	Swla:	50
Swlb:	Not Reported		
Water at:	Not Reported		
Totdepth:	235	Formation :	BURLINGTON LIMESTONE
Formation1:	FERN GLEN FORMATION		
Intcrdtp:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Intcrdbt:	0	Aquclass:	Not Reported
Drawdown:	Not Reported	Reldate:	Not Reported
Confind:	0	Probind2:	Not Reported
Probind1:	Not Reported	Additional:	Not Reported
Probind3:	Not Reported	Add databa:	Not Reported
Alagency1:	Not Reported	Add data 1:	Not Reported
Addition 1:	Not Reported	Add data 2:	Not Reported
Alnum2:	Not Reported	Rmkind:	N
Add data 3:	Not Reported	C plugind:	N
Remarks:	IN CHESTERFIELD		
C total:	127		
C remarks:	Not Reported		

Construction Information:

Id:	008313	Well type:	Private Well
Agencyname:	GEOLOGICAL SURVEY (DGLS)	Datecomp:	194200
Plugind:	N	Dateplug:	Not Reported
Casemat1:	Not Reported	Casemat2:	Not Reported
Cas1dpth:	127		
Cas1diam:	0		
Cas2dpth:	0		
Cas2diam:	0		
Cas3dpth:	0		
Cas3diam:	0		
Cas4dpth:	0		
Cas4diam:	0		
Inout1:	0	Typgrt1:	Not Reported
Typgrt2:	Not Reported	Typgrt3:	Not Reported
Mthgrout:	Not Reported	Rigtype:	Not Reported
Weltreat:	Not Reported	Rmkind:	Not Reported
Dateabnd:	Not Reported		
Plgdpt1b:	0		
Plgdpt1t:	0		
Multcase:	N		
Szcashol:	0		
Szbelcas:	0		
Sizscrn:	0		
Slotsize:	0		
Lenscrn:	0		
Typescrn:	Not Reported	Typedev:	Not Reported
Typepump:	Not Reported		
Pumpcap:	0		
Pumptdh:	0		
Pumpset:	0		
Typecomp:	Not Reported		
Perfintt:	0		
Perfintb:	0		
Oilprod:	Not Reported	Gasprod:	Not Reported
Tubepres:	Not Reported	Remarks:	Not Reported
Other data:	Not Reported	Formation :	BURLINGTON LIMESTONE
Formation1:	FERN GLEN FORMATION		

Strata Information:

Id:	008313	Stratordr:	0
Fmtop:	0		
Fmbot:	120		
Formation :	NO SAMPLES		
Primlith:	Not Reported	Minlith:	Not Reported
Secclith:	Not Reported		
Primmin:	Not Reported		
Primocc:	0		
Secmin:	Not Reported		
Secocc:	0		
Minrmin:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Minrocc: 0
Rmk20: Not Reported

Strata Information:

Id:	008313	Stratordr:	28400
Fmtop:	120		
Fmbot:	235		
Formation :	MISSISSIPPIAN SYSTEM		
Primlith:	Not Reported		
Seclith:	Not Reported	Minlith:	Not Reported
Primmin:	Not Reported		
Primocc:	0		
Secmin:	Not Reported		
Secocc:	0		
Minrmin:	Not Reported		
Minrocc:	0		
Rmk20:	Not Reported		

Strata Information:

Id:	008313	Stratordr:	31800
Fmtop:	120		
Fmbot:	235		
Formation :	OSAGEAN SERIES		
Primlith:	Not Reported		
Seclith:	Not Reported	Minlith:	Not Reported
Primmin:	Not Reported		
Primocc:	0		
Secmin:	Not Reported		
Secocc:	0		
Minrmin:	Not Reported		
Minrocc:	0		
Rmk20:	Not Reported		

Strata Information:

Id:	008313	Stratordr:	32300
Fmtop:	120		
Fmbot:	165		
Formation :	BURLINGTON LIMESTONE		
Primlith:	LIMESTONE		
Seclith:	CHERT	Minlith:	Not Reported
Primmin:	Not Reported		
Primocc:	0		
Secmin:	Not Reported		
Secocc:	0		
Minrmin:	Not Reported		
Minrocc:	0		
Rmk20:	Not Reported		

Strata Information:

Id:	008313	Stratordr:	32300
Fmtop:	120		
Fmbot:	165		
Formation :	BURLINGTON LIMESTONE		
Primlith:	LIMESTONE		
Seclith:	CHERT	Minlith:	Not Reported
Primmin:	Not Reported		
Primocc:	0		
Secmin:	Not Reported		
Secocc:	0		
Minrmin:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Minrocc: 0
Rmk20: Not Reported

Strata Information:

Id:	008313	Stratordr:	33400
Fmtop:	165		
Fmbot:	235		
Formation :	FERN GLEN FORMATION		
Prmlith:	LIMESTONE		
Seclith:	CHERT	Minlith:	SAND
Primmin:	Not Reported		
Primocc:	0		
Secmin:	Not Reported		
Secocc:	0		
Minrmin:	Not Reported		
Minrocc:	0		
Rmk20:	Not Reported		

Strata Information:

Id:	008313	Stratordr:	99900
Fmtop:	235		
Fmbot:	235		
Formation :	TOTAL DEPTH		
Prmlith:	Not Reported		
Seclith:	Not Reported	Minlith:	Not Reported
Primmin:	Not Reported		
Primocc:	0		
Secmin:	Not Reported		
Secocc:	0		
Minrmin:	Not Reported		
Minrocc:	0		
Rmk20:	Not Reported		

5
ENE
1/2 - 1 Mile
Higher

FED USGS USGS40000695163

Org. Identifier:	USGS-MO		
Formal name:	USGS Missouri Water Science Center		
Monloc Identifier:	USGS-383940090344001		
Monloc name:	T45N R04E 09BAC1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	10300200	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	38.6611638
Longitude:	-90.5779009	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	508
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Ozark Plateaus aquifer system		
Formation type:	Fern Glen Limestone		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type: Not Reported
Construction date: 19420000
Welldepth units: ft
Wellholedepth units: Not Reported

Welldepth: 235
Wellholedepth: Not Reported

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1942-01-01	50	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: MO Radon

Radon Test Results

Zipcode	Test Date	Result
63005	02/17/09	6.4
63005	01/15/09	0.7
63005	02/08/08	0.9
63005	02/08/08	????
63005	02/11/04	8.7
63005	03/27/09	1
63005	03/29/04	3.9
63005	03/31/07	3.1
63005	04/10/08	7.6
63005	04/16/08	15
63005	02/28/09	????
63005	03/02/09	????
63005	05/17/08	4.5
63005	05/22/08	14.5
63005	05/25/07	0.8
63005	06/13/08	< 0.3
63005	07/18/05	0.8
63005	07/18/06	1
63005	09/01/07	7
63005	05/10/08	9.5
63005	11/03/06	< 0.3
63005	12/01/08	????
63005	12/11/06	1.4

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.

Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

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

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: National Wetland Inventory of Missouri

Source: Department of Natural Resources

Telephone: 573-751-5110

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

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

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Missouri Public Drinking Water Wells

Source: Department of Natural Resources

Telephone: 573-526-5448

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Database

Source: Department of Natural Resources

Telephone: 573-368-2143

RADON

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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Appendix H



SCIENTIFIC INTERNATIONAL

Education

B.A. Environmental Studies, Florio College, 2013

Registrations & Certifications

OSHA 30-Hour Safety and Health

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

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

Missouri Asbestos Boring Inspector

**David L. Forseth
Staff Scientist**

Mr. Forseth joined SCI in March 2014 to conduct Phase One Environmental Site Assessments (Phase One ESA), and Phase Two Environmental Site Assessments. Phase One ESAs for property transactions involve industrial, commercial, and residential properties throughout the Midwest. David's responsibilities include environmental field inspections; historic research of site usage; potential contamination identification; interpretation of analytical results; asbestos, radon, and hazardous material surveys; Resource Conservation and Recovery Act (RCRA) waste characterization; and extensive technical report writing. Limited Phase Two subsurface investigations and risk assessment activities include coordinating drilling operations, installing soil borings and monitoring wells, soil and groundwater sampling, analytical analysis, comparing analytical results to state specific cleanup guidelines, report preparation, and mapping and modeling activities.

His previous experience includes working as an interpreter/naturalist at Babler State Park. Responsibilities included hosting presentations on wildlife and their natural habitats as well as the upkeep of the parks resources.

Project Experience

Sisters of Charity of the Incarnate Word [St. Louis, MO]

Conducted an environmental site assessment to document current site conditions. Produced a Phase One ESA report, which included a review of historical information related to the subject site as well as determinations about current historic uses of the site as they relate to potential Recognized Environmental Conditions. Conducted a limited subsurface investigation associated with a Phase Two ESA. Logged borings and collected soil samples to be analyzed in an environmental laboratory for hazardous substances. Performed sampling and reporting associated with the removal of four USTs associated with previous site operations.

Excelsior Springs Area Wide Inventory [Excelsior Springs, Missouri]

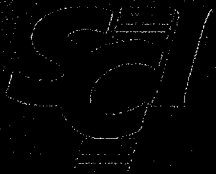
Performed an area wide inventory on the city of Excelsior Springs in Missouri for the Missouri Department of Natural Resources which included a city-wide site reconnaissance and an inventory of regulatory listings for the city.

Market at McKnight [St. Louis, MO]

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

1161 Jody Industrial Court [Overland, Missouri]

Conducted a limited subsurface investigation associated with a Phase Two ESA. Logged borings and collected soil samples to be analyzed in an environmental laboratory for metals and hazardous substances.



David L. Forseth
Staff Scientist

Project Experience

510 East Prairie Avenue [St. Louis, Missouri]

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

Culver's - Bramblett and Mexico Rds. [St. Charles, Missouri]

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

Morganford Properties – Missouri Botanical Garden

[St. Louis, Missouri]

Assisted with the Phase Two ESA drilling and groundwater sampling.

Busch Memorial Shooting Range Clean-Up [St. Charles, MO]

Assisted with the sampling of the former shooting range during site clean-up.

Federal Mogul [St. Louis, Missouri]

Assisted with groundwater sampling during the Phase Two ESA.

QuikTrip Sump Inspection [St. Louis, Missouri]

Assisted in the inspection of the sumps on the underground storage tanks looking for corrosion or leaking product.

501 Jeffco [Arnold, Missouri]

Assisted with the groundwater sampling from monitoring wells.

David L. Forseth

Staff Scientist
Environmental Services

(314) 944-8200

130 Point West Parkway
St. Charles, MO 63301

DForseth@solengineering.com



SCIENTIFIC CONSULTANTS, INC.

Benjamin K. Butterfield, CHMM Project Scientist



Education

M.S., Environmental Science,

Taylor University, 2002

B.S., Environmental Science,

Taylor University, 2000

Certifications

Missouri Asbestos Building
Inspector

OSHA 40 Hour HAZWOPER

OSHA 10 Hour

Certified Hazardous Materials

Manager (CHMM)

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

Project Experience - Environmental

Preferred Family Healthcare – Gravois Site [St. Louis, Missouri]

Conducted a Phase One ESA of the property, as well as subsequent Phase Two ESA. Phase Two activities consisted of soil borings, test pitting, and groundwater sampling. Test pitting also included delineating area of buried asbestos containing materials.

West Pine – C.B. 3920 [St. Louis, Missouri]

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

Menards Richmond Heights [Richmond Heights, Missouri]

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

Century Electric Redevelopment [St. Louis, Missouri]

Conducted Phase One and Phase Two Environmental Site Assessments as well as an asbestos survey of the site. Enrolled the site in the Missouri Department of Natural Resources (MDNR) Brownfields Voluntary Cleanup Program (BVCP). Managed the development of the remediation/demolition scope of work in conjunction with the redevelopment team, as well as the bidding process and specification development. Conducted oversight of the day to day operations on the site, as well as contract management activities on the owner's behalf.

Morganford Properties [St. Louis, Missouri]

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

Magnolia Homes/Cedar Terrace [Galveston Texas]

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



Butterfield & Associates, Inc.

Benjamin K. Butterfield, CHMM Project Scientist



Project Experience - Environmental

Poindexter Neighborhood Redevelopment Project [Columbus Ohio]

Provided environmental consulting services including oversight and air monitoring of impacted soil removal activities and remediation method installations. Managed daily fieldwork activities as well as contractor submittal review/logging and adherence to project specifications for the remediation scope of work. Also conducted Phase One and Impact Delineation Activities on future phases of the redevelopment project, as well as development of project specifications for future environmental remediation activities.

Crossroads Apartments [Kansas City, Missouri]

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

QuikTrip Projects - Various Sites [Missouri]

Conducted Phase One and Phase Two Environmental site assessments and asbestos surveys on various properties. Assisted in developing recommendations for future development activities in light of the findings of these assessments.

4591 McRee Avenue [St. Louis, Missouri]

Conducted Phase One and Phase Two Environmental Site Assessments on a former machining/manufacturing facility. Phase Two investigations consisted of the advancement of several geo-probe borings as well as test pits to evaluate past filling of the site. Also conducted an asbestos survey of the on-site structure.

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

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

Benjamin K. Butterfield

Project Scientist
Environmental Services

(314) 757-1044

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St. Charles, MO 63301

BButterfield@soiengineering.com



SCIENTIFIC ENGINEERING, INC.

Edwin P. Grimmer, P.E. Vice President



Education

B.S., Chemical Engineering
University of Missouri - Rolla, 1982

Intermediate Level Education
Course, U.S. Army Command and
General Staff College, 1979

Transition to Civil Engineer
Course, 30, U.S. Army

Transition to School
Commandant's Course, 1988

Chemical Officer Basic Course, U.S.
Army Chemical School, Fort
Graduate, 1988

Registrations & Certifications

Professional Engineer
Missouri 029254 (1998)

Illinois 062-352661 (1998)

8-Hour OSHA 10 OER Hazardous
Materials Supervisor Course, 1998

40-Hour Hazardous Waste
Operations and Emergency
Response Course, 1997
annual refresher

EHM Traffic Noise Course, 2002

EHM NEPA Course, 2002

Affiliations/Awards

Society of American Military
Engineers

St. Louis Post President

Mr. Grimmer joined SCI Engineering in June 1999. He has over 20 years of experience proving various environmental services and has been responsible for projects throughout the United States with most of his experience focused in Missouri, Illinois, Indiana and Kansas. His expertise includes: hazardous waste, soil and groundwater, phase one/two environmental site assessments, national environmental policy act (NEPA), air quality, including transportation, spill prevention, control and countermeasure plans (SPCCC), noise assessments. Ed is also a Lieutenant Colonel in the US Army Reserve working for USTRANSCOM on Scott Air Force Base, Illinois.

Project Experience - Hazardous Waste, Soil and Groundwater

Scott AFB-MWD Kennel Site Improvements [SAFB, IL]

Conducted confirmatory sampling for PAH and pesticide impact on excavated area and area surrounding the Military Working Dogs Kennel.

Madison Metal Services [Madison, IL]

Senior Engineer to guide the facility through the Illinois Environmental Protection Agency's (IEPA) Site Remediation Program (SRP) with the goal of receiving a No Further Remediation (NFR) letter. SCI was able to get the NFR letter through the IEPA site remediation program (a process that normally requires 12 to 18 months) in less than 6 months saving the client several hundred thousand dollars

National Railway Equipment Company [Silvis, IL]

Phase One, Limited Subsurface Exploration and Remedial Action for a large Railroad Engine manufacturer. Led the site through the Illinois Site Remediation Program. Impact on site included chlorinated solvents, metals and diesel fuel.

Mulberry Road Realignment [Collinsville, IL]

Conducted a Soil Exploration for a ¼-mile road realignment project that involved the realignment of two existing roadways, construction of a bridge span, installation of a drainage ditch, and the installation of new water mains. Over 2,000 yards of lead impacted soil was removed from the site and properly disposed at a special waste landfill.

Owens Glass [Godfrey, IL]

Senior Engineer to take a historic industrial/manufacturing facility through the IEPA SRP program. Received a NFR letter and conducted R-26 groundwater modeling per Illinois TACO.

17th Street Abandoned Rail Line/Roadway [Belleville, IL]

Senior Engineer to perform a lead-impacted soil remediation project during the design phases of a proposed road extension to be constructed over an abandoned rail line.



SCIENTIFIC DESIGN, INC.

Edwin P. Grimmer, P.E.
Vice President



Project Experience - Environmental Assessments

The Forest at Palisades [Godfrey, IL]

Performed remediation of a site consisting of a former explosives manufacturing facility. Assisted the developer in obtaining a No Further Remediation letter allowing for development and revitalization of the area

Amboy Healthcare & Rehabilitation Center [Amboy, IL]

Senior Engineer for a Phase I Environmental Site Assessment of a 1.5 acre skilled nursing facility. Phase One performed in accordance with Housing and Urban Development (HUD) Multifamily Accelerated Processing (MAP) Guide.

Fountains at Stone Canyon [Hollister, MO]

Senior Engineer for a Phase I Environmental Site Assessment of a 12-acre vacant parcel with a proposed apartment complex. Phase One performed in accordance with Housing and Urban Development (HUD) Multifamily Accelerated Processing (MAP) Guide and included an assessment of Approximate Safe Distance (ASD) from high pressure tanks according to HUD guidelines.

Sullivan Drive 100 Acre Tract [Belleville, IL]

Senior Engineer to perform a Phase I Environmental Site Assessment of an approximate 100-acre parcel of undeveloped agricultural land with several above-ground storage tanks (ASTs).

Monroe County YMCA – HTC Center [Columbia, IL]

Senior Engineer for a Phase I Environmental Site Assessment and Test Pitting of an approximate 192-acre site, which will host a \$5.2 million, 39,613-square-foot fitness center.

Tri City Port District [Granite City, IL]

Senior Engineer for Phase I and Limited Phase II Environmental Site Assessments on an approximate 22-acre parcel located on a closed Department of Defense facility.

Cambridge House of Maryville [Maryville, IL]

Senior Engineer for a Phase I Environmental Site Assessment and the completion of a U.S. Department of Housing and Urban Development (HUD) Environmental Assessment (EA) for an approximate 55-acre tract that will host a \$7.3 million, 87,500-square-foot senior living center.

Benbow Field [Wood River, IL]

Senior Engineer for a Phase II Environmental Site Assessment of an approximate 2-acre, vacant parcel of land located in close proximity to petroleum refineries.

Madison Senior Housing [Madison, IL]

Senior Engineer for a Phase I and Limited Phase II Environmental Site Assessment. Three previously unidentified underground storage tanks (USTs) were encountered and removed.

Edwin P. Grimmer

Vice President
Environmental Services

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EGrimmer@sdengineering.com



S&E ENGINEERING, INC.

Edwin P. Grimmer, P.E.
Vice President



Project Experience - Environmental Assessments

Siemer Enterprises Warehouse [East St. Louis, IL] Senior Engineer for a Phase I Environmental Site Assessment of a 20,000-square-foot vacant warehouse building on a 7.6-acre parcel.

Prairie Village [Monroe County, IL]

Senior Engineer for a Phase I Environmental Site Assessment of an approximate 70-acre parcel with three recently-constructed unoccupied houses, two storm water basins, landscaped berms, subdivision roads, and graded areas.

The Shoppes at Green Mount [O'Fallon, IL]

Senior Engineer for a Phase I Environmental Site Assessment of an approximately 37-acre tract of undeveloped agricultural land with a pond, a tributary, and an occupied residence with two outbuildings.

Westhaven Golf Course [Belleville, IL]

Senior Engineer for a Phase I and a Limited Phase II Environmental Site Assessment of an approximately 62-acre golf course with a maintenance building and a club house. The golf course was constructed in the 1940s.

Cambridge House of Maryville [Maryville, IL]

Senior Engineer for a Phase I Environmental Site Assessment and the completion of a U.S. Department of Housing and Urban Development (HUD) Environmental Assessment (EA) for an approximate 55-acre tract that will host a \$7.3 million, 87,500-square-foot senior living center.

Project Experience-NEPA

St. Charles Gateways [City of St. Charles, MO]

Categorical Exclusion documentation for a transportation corridor improvement project. This NEPA report was prepared because the project was seeking federal funding through a TIGER grant. The affected environment and environmental impacts related to displacements, farmland, wetland/water quality, floodplain impacts and analysis, air quality, noise analysis, cultural resources, 4(f)/6(f) involvement, threatened and endangered species, and hazardous waste were identified and discussed in the CE documentation.

Interstate 70 Access Improvements - Cave Springs to Mid Rivers Mall Drive [City of St. Peters, MO]

Prepared Categorical Exclusion documentation for improvements to the interchange. The project areas was evaluated for natural resource issues, such as waterbodies and wetlands, threatened and endangered species, special lands, noise, air, farmland, special/hazardous waste, and cultural resources

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Vice President



Project Experience - NEPA

Prairie DuPont Levee and Fishlake Levee

[Monroe and St. Clair County, Illinois]

Prepared an EA for USACE on two levees, totaling approximately 15 miles in length. The project involved certification of the levee through the United States Army Corp of Engineers.

Dorsett Road and Highway 270 Reconstruction

St. Louis County, Missouri]

Managed preparation of a categorical exclusion determination, Form CE-2, in accordance with 23CFR771-117(d) for proposed interchange improvements and associated entrance/exit ramps and outer road relocation. The project consisted of a determination of farmland, wetland, noise, water quality, air quality, and floodplain impacts. Likewise, an evaluation of potential impacts to cultural resources, Section 4(f) properties, and threatened and endangered species was made.

Governors' Parkway [Madison County, Illinois]

SCI prepared the Environmental Led team that conducted re-evaluation of an FEIS approved in 1975. Under the direction of the IDOT and FHWA, SCI used the EA format for the re-evaluation of a 3-lane east-west roadway, to be approximately 4 miles in length. The project included socio-economic, land use, air quality, geological resources, cultural resources, ecology, water resources, wetlands, endangered species, special waste, and noise analyses.

Cingular Wireless

Completed and managed Phase One Environmental Assessments, Subsurface Investigations, Section 106 Notification forms, NEPA Questionnaires, Cultural Resource Surveys, Architectural Surveys and View Shed Analyses. These projects involved over 100 cell tower sites in Missouri and Illinois.

Nextel Communications

completed and managed Phase One Environmental Site Assessments, Section 106 Notification Forms, NEPA Questionnaires, Cultural Resource Surveys, Architectural Surveys and View Shed Analyses. These projects have involved over 100 cell tower sites in Missouri, Illinois, and Oklahoma.

Project Experience - Air Quality

Vehicle Assembly Plant [Kansas City, MO]

Project Engineer to develop a Title V Application. The scope of services included identification of emission sources for reporting in the application, a detailed review of the facility's air permits, assessment of applicable federal and state regulation, determination of compliance status, and preparation of the Title V application package, including technical support documentation.

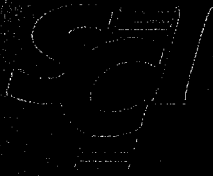
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Vice President



Project Experience - Air Quality

Chemical Plant [Danville, IL]

Project Engineer to prepare a Title V Operating Permit Application and Emission Inventory for a chemical plant that produces various types of resins, catalysts and acids. The facility conducts batch operations with numerous reaction vessels and raw material storage tanks. An air compliance audit also was performed that included a thorough review for applicability and compliance with New Source Performance Standards for storage tanks containing volatile liquids.

Southern Metal Processing [St. Louis, MO]

Senior Engineer for the preparation of a Emission Inventory Questionnaire, from 1995 through 2004, which included a facility-wide emissions inventory of criteria and hazardous air pollutants.

Building Products Corporation [Belleville, IL]

Senior Engineer for development of a facility-wide emission inventory and preparation of a joint operating permit amendment.

Governors' Parkway [Madison County, IL]

Senior Engineer to prepare the air quality portion of an Environmental Assessment.

Edwin P. Grimmer

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County Fee 9.00
State User Fee 1.00
Total 10.00

County Fee 10.00
State User Fee 1.00

TO WHOM IT MAY CONCERN:

KNOW ALL MEN BY THESE PRESENTS, That William A. McGuire and
Mildred T. McGuire
and in consideration of the sum of One Dollar (\$1.00) and other valuable
considerations to them in hand paid by The Metropolitan St. Louis Sewer
District, the receipt of which is hereby acknowledged, do (each hereby) give,
grant, extend, and confer on The Metropolitan St. Louis Sewer District the
exclusive right to build and maintain a sewer or sewers, including storm
water improvements, on the strip or strips of ground described as shown
hatched on the attached "Easement Plat" marked Exhibit "A" and make a
part hereof, and to use such additional space adjacent to the "Right-of-Way"
so granted as may be required for working room during the construction
period. The Metropolitan St. Louis Sewer District may from time to time
enter upon said premises to construct, reconstruct, or maintain the sewer
or stormwater improvements aforesaid, and may assign its rights in this
easement to the State, County, or City, or other political subdivisions of
the State. The Right-of-Way hereby granted is irrevocable and shall con-
tinue forever. This easement is subject to the terms of plat B
attached hereto and made a part hereof.

IN WITNESS WHEREOF, the above named grantor(s) has (we) signed these
presents this 16th day of October, 1981

William A. McGuire
WILLIAM A. MCGUIRE

BOOK 777 PAGE 2473
FILED FOR RECORD

DEC 31 1981
8:16
O'clock a
M.
WM. E. FAUKE
RECORDER OF DEEDS

Mildred T. McGuire
SPOUSE OF WILLIAM A. MCGUIRE

BOOK 777 PAGE 2473
FILED FOR RECORD

DEC 18 1981
8:18
O'clock a
M.
WM. E. FAUKE
RECORDER OF DEEDS

DELAWARE
STATE OF MISSOURI } SS.
BSSHX
COUNTY OF ST. LOUIS }

On this 16th day of October, 1981, before me (a notary),
appeared William A. McGuire
and Mildred T. McGuire
no known to be the person(s) described in and who executed the foregoing
instrument, and acknowledged that they executed the same as their
free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my
notarial seal, the day and year first above written.
My Commission expires 1/1/84

(Seal)

William E. Fauke
WILLIAM E. FAUKE
Notary Public

Exhibit B

The easement granted of which this Exhibit B is a part is subject to the following terms and conditions: (1) The Grantors, WILLIAM A. MCGUIRE and MILDRED F. MCGUIRE his wife, (the "Grantors") and persons deriving title through and under them to the property encumbered by the easement being established, shall be entitled to tap in and connect with such sanitary sewer lines, if any, as may be hereafter constructed within, over, and upon said easement to serve any residence constructed upon said property, and there shall be no charge, connection, or tap in fee with respect to the first such connection or tap in made to provide sanitary sewer service to a residence located on said property; (2) the easement granted herein is conditioned upon: (a) the grantee obtaining the unqualified written consent (in duly acknowledged and recordable form) of the present record owners of that land adjoining (on the east) the property of Grantors, said adjoining land being now or formerly of James P. & Mary A. Cittadino, and upon such record owners being in fact the record owners of such adjoining property at the time of recording of the easement hereby granted by Grantors; (b) the consent of the record owners of said adjoining land shall be the instrument recorded immediately after the recording of the easement granted herein, without the recording of any intervening instrument; (c) the grantee of the aforesaid easement shall, at its expense, be responsible for restoration of the land after construction or reconstruction or repair of any sewer lines within said easement.

RECORDED
DEC 31 1953

RECORDED
DEC 31 1953



STATE OF MISSOURI
County of St. Louis

I, the undersigned Recorder of Deeds for said County and State do hereby certify that the foregoing and annexed instrument(s) with my seal filed for record in my office on the 16 day of June 1953 at 11 o'clock A.M. and is truly recorded in book 236 page 255.
Witness my hand and official seal on the day and year hereunto.

Frank B. [Signature]
Recorder of Deeds
Deputy Recorder

END OF DOCUMENT