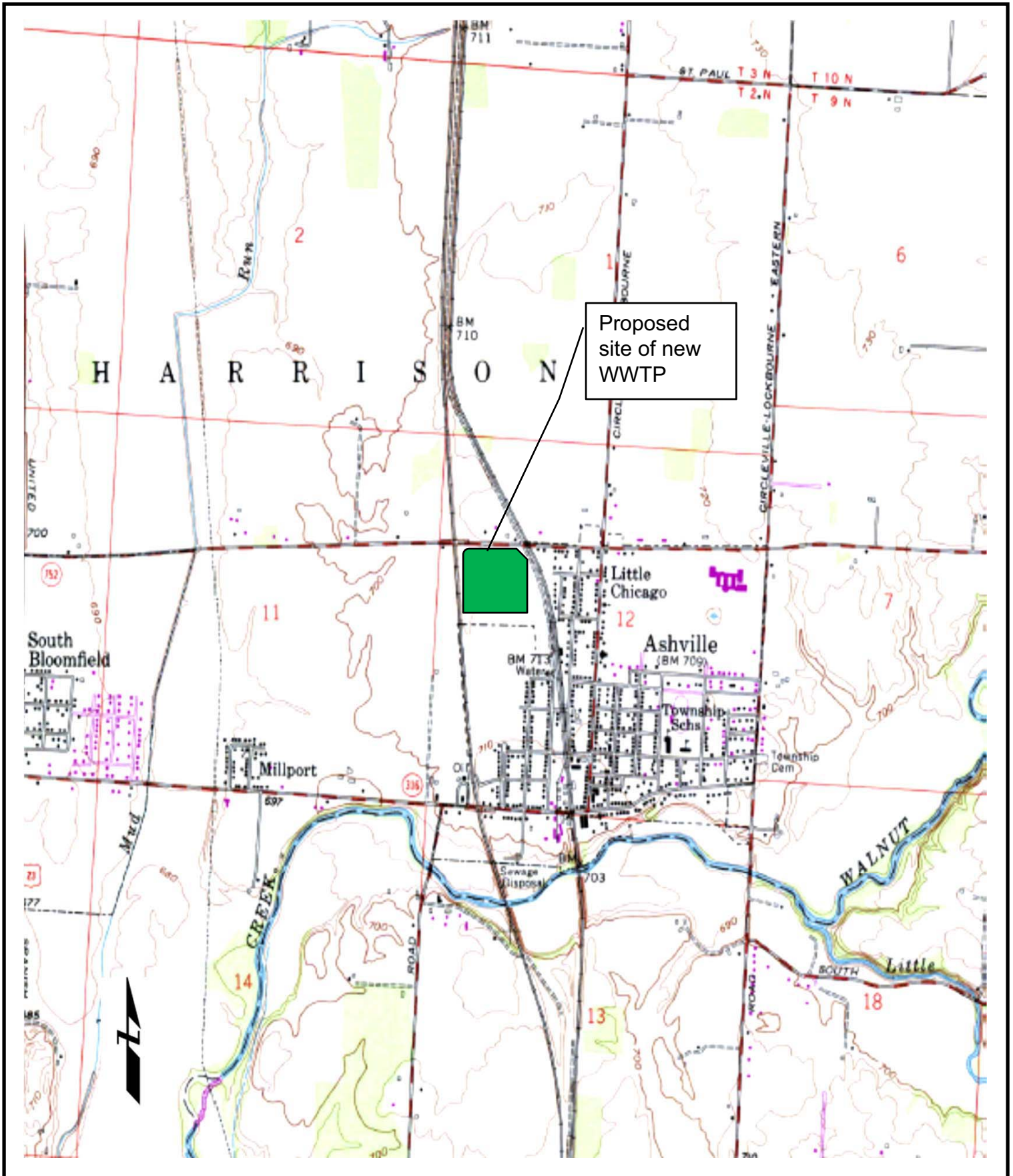


Appendix A

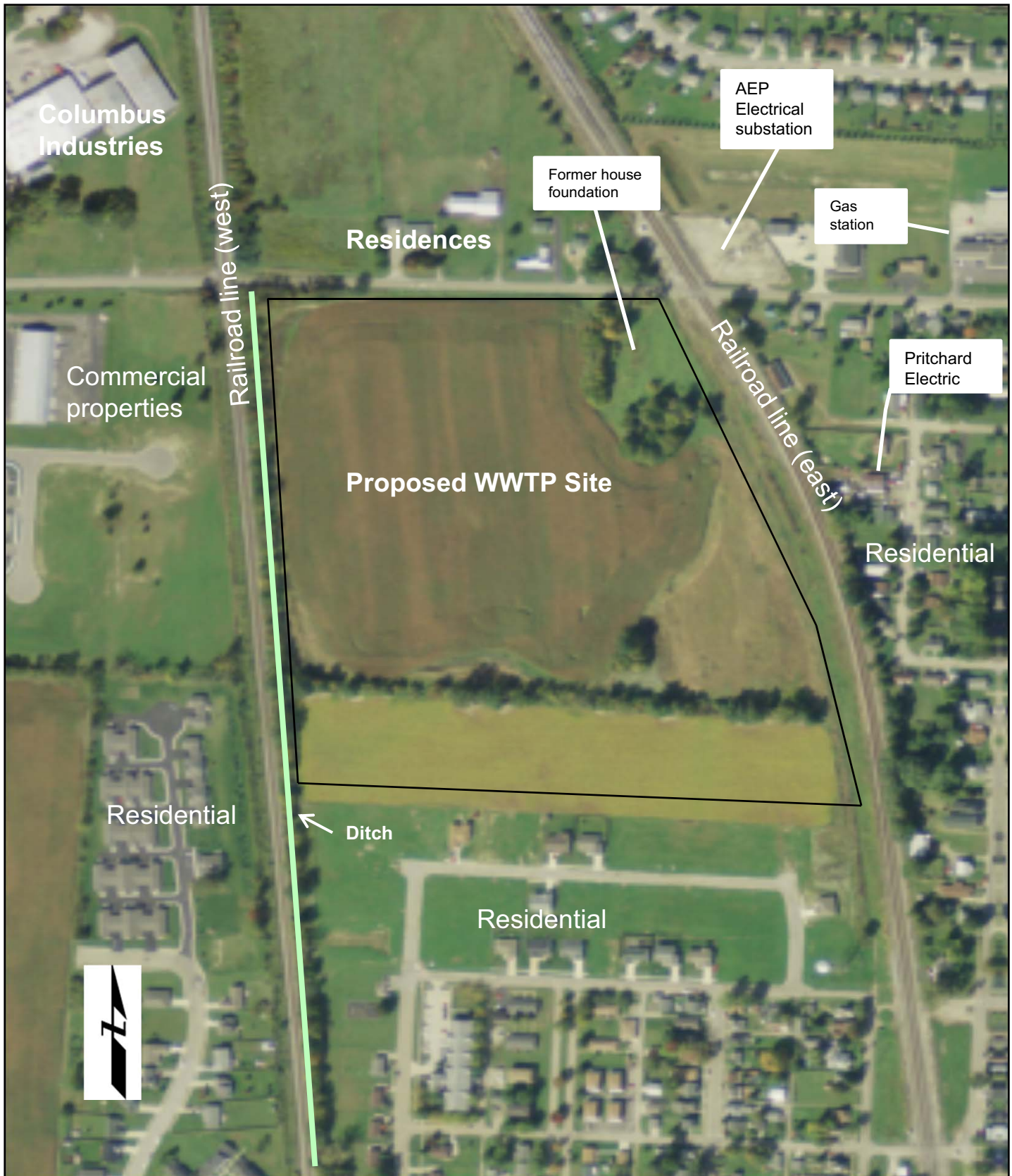
Figures



CLIENT	Village of Ashville		
PROJ	WWTP Phase I ESA		
UHYVIRQ#QR	DES BY	JM	
SCALE: NTS'	DR BY	JM	
FILE	CHK BY		



PROJ NO	14578119
FIGURE	1



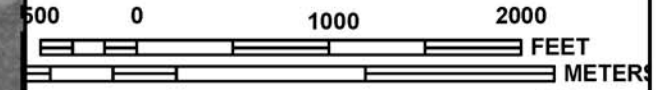
CLIENT Village of Ashville			
PROJ WWTP Phase I ESA			
UHYVIRQ#QR	DES BY	JM	
SCALE: NTS'	DR BY	JM	
FILE	CHK BY		



PROJ NO 14578119
FIGURE 2



MAP SCALE 1" = 1000'



PANEL 0180J

FIRM
FLOOD INSURANCE RATE MAP
PICKAWAY COUNTY,
OHIO
AND INCORPORATED AREAS

PANEL 180 OF 450
 (SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
ASHVILLE, VILLAGE OF	390446	0180	J
PICKAWAY COUNTY	390445	0180	J
SOUTH BLOOMFIELD, VILLAGE OF	390449	0180	J

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.



MAP NUMBER
 39129C0180J
MAP REVISED
 JULY 22, 2010

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov

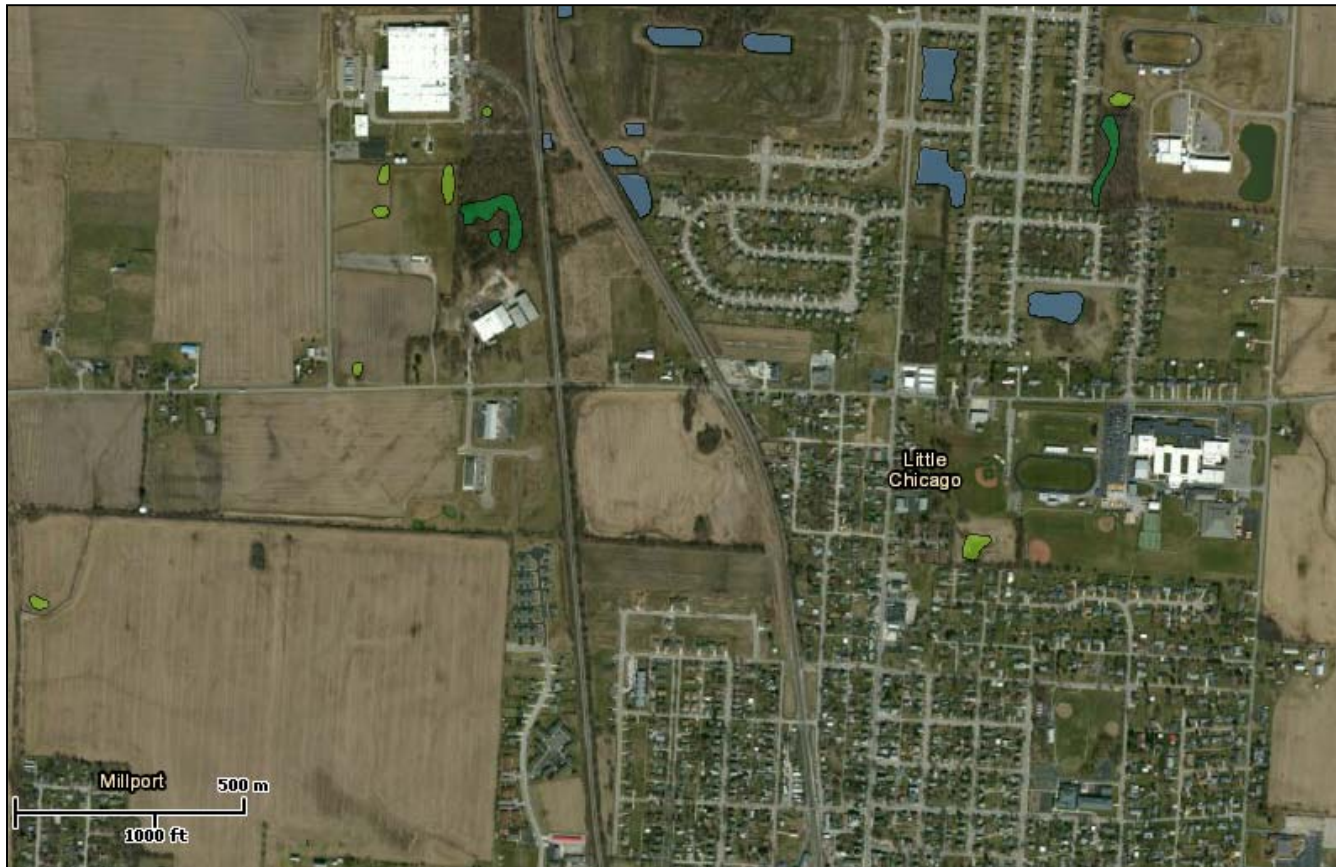
NATIONAL FLOOD INSURANCE PROGRAM



U.S. Fish and Wildlife Service National Wetlands Inventory

Asheville, Ohio

Sep 11, 2013



Wetlands

- Freshwater Emergent
- Freshwater Forested/Shrub
- Estuarine and Marine Deepwater
- Estuarine and Marine
- Freshwater Pond
- Lake
- Riverine
- Other

Riparian

- Herbaceous
- Forested/Shrub

Riparian Status

- Digital Data

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

User Remarks:

Appendix B

Photographic Log



PHOTOGRAPHIC LOG

Client Name:

Village of Ashville, Ohio

Site Location:

New Waste Water Treatment Plant

Project No.:

14578119



Photo 1: View of southwest corner of Site from Station Street West.



Photo 2: View of project Site from southwest corner of field.



Photo 3: Railroad tracks west of the Site, viewing north.



Photo 4: Commercial properties northwest of the Site, across railroad tracks.



PHOTOGRAPHIC LOG

Client Name:

Village of Ashville, Ohio

Site Location:

New Waste Water Treatment Plant

Project No.:

14578119



Photo 5: View of field south of tree line along southern boundary of Site.



Photo 6: View of Site from southeast, along eastern set of railroad tracks.



Photo 7: Vacant lot at northeast corner of Site, viewing WNW.



Photo 8: Electrical substation northeast of Site, across Ohio Route 752.



PHOTOGRAPHIC LOG

Client Name:

Village of Ashville, Ohio

Site Location:

New Waste Water Treatment Plant

Project No.:

14578119



Photo 9: Electrical power lines running along Site eastern boundary. Viewing SSW.



Photo 10: Remains of foundation in vacant lot at NE corner of Site.



Photo 11: View along north boundary of Site, along Ohio SR 752.



Photo 12: Norfolk & Southern RR right-of-way, across Ohio 752. Viewing north.



PHOTOGRAPHIC LOG

Client Name:

Village of Ashville, Ohio

Site Location:

New Waste Water Treatment Plant

Project No.:

14578119



Photo 13: Close up view of substation. Viewing NE.



Photo 14: Project Site, viewing west.



Photo 15: Residential area south of project Site.



Photo 16: Second view of area south of Site.



PHOTOGRAPHIC LOG

Client Name:

Village of Ashville, Ohio

Site Location:

New Waste Water Treatment Plant

Project No.:

14578119



Photo 17: View along tree line at southern boundary of Site. Viewing west.



Photo 18: Garage on Hedges St. Adjacent to NS rail line at east boundary of Site.



Photo 19: Pritchard Electric on Hedges St. Viewing west.



Photo 20: Pritchard Electric.

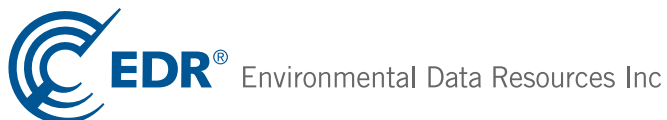
Appendix C

EDR Radius Map™ Report
with GeoCheck®

Ashville WWTP
Ohio 752/Ohio 316
Ashville, OH 43103

Inquiry Number: 3744488.2s
October 01, 2013

EDR Summary Radius Map Report



440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

OHIO 752/OHIO 316
ASHVILLE, OH 43103

COORDINATES

Latitude (North): 39.7217000 - 39° 43' 18.12"
Longitude (West): 82.9588000 - 82° 57' 31.68"
Universal Transverse Mercator: Zone 17
UTM X (Meters): 332110.2
UTM Y (Meters): 4398494.5
Elevation: 710 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property: TP
Source: USGS 7.5 min quad index

AERIAL PHOTOGRAPHY IN THIS REPORT

Photo Year: 2011
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:
OHIO 752/OHIO 316
ASHVILLE, OH 43103

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft.) DIRECTION
1	ASHVILLE EXPRESS (VA	320 LONG ST	LUST, UST, ARCHIVE UST	Higher	1662, ESE
2	ASHVILLE OIL CO	295 LONG ST	DERR, LUST, ARCHIVE UST	Higher	1678, ESE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

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

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.

State- and tribal - equivalent CERCLIS

DERR: A review of the DERR list, as provided by EDR, and dated 08/14/2013 has revealed that there is 1 DERR site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>ASHVILLE OIL CO</i> Activity: RR	<i>295 LONG ST</i>	<i>ESE 1/4 - 1/2 (0.318 mi.)</i>	<i>2</i>	<i>8</i>

State and tribal leaking storage tank lists

LUST: A review of the LUST list, as provided by EDR, and dated 08/18/2013 has revealed that there are 2 LUST sites within approximately 0.5 miles of the target property.

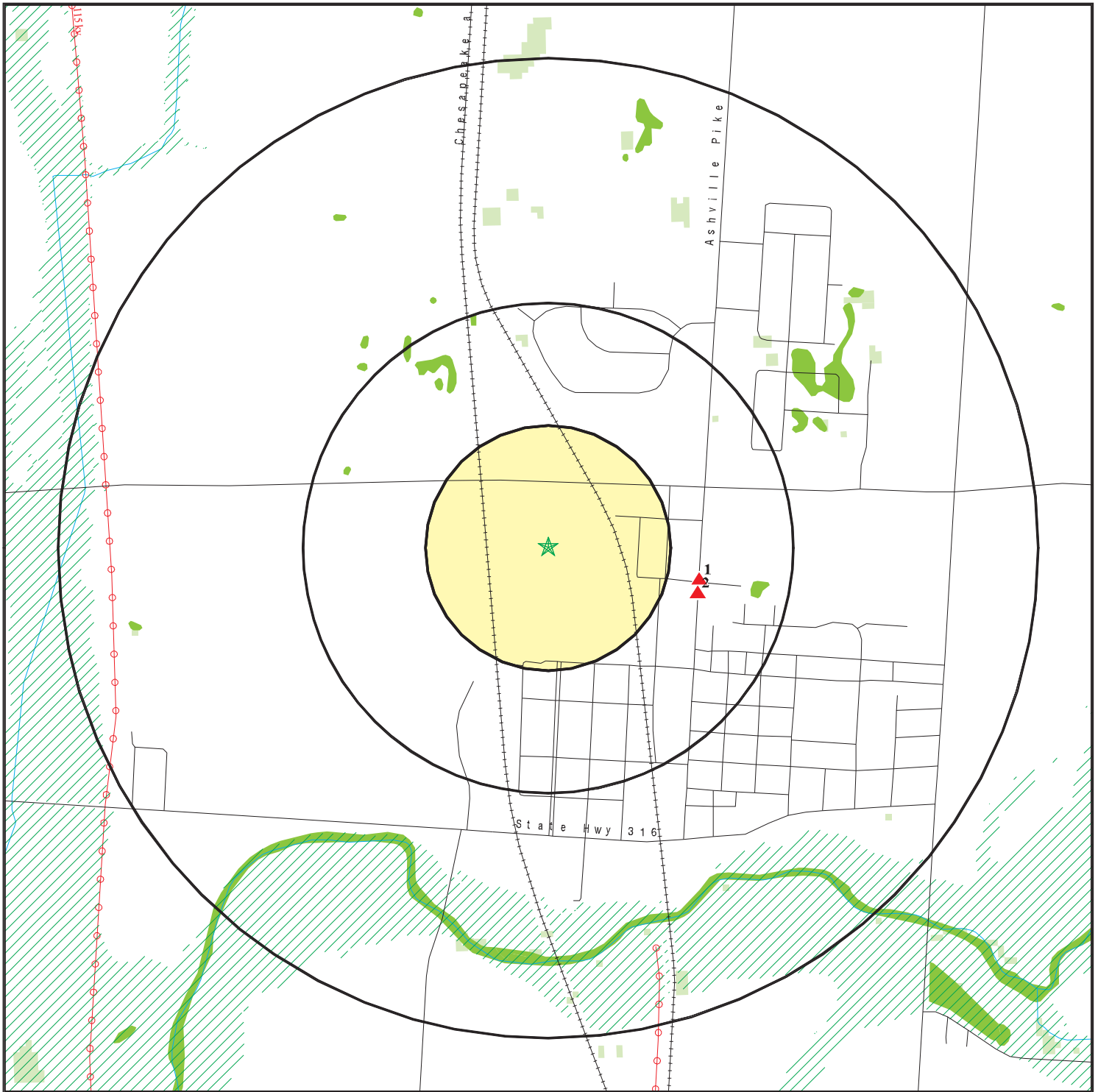
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>ASHVILLE EXPRESS (VA)</i> FR Status: Inactive FR Status: NFA: No Further Action Facility Status: Inactive FR Status: NFA: No Further Action	<i>320 LONG ST</i>	<i>ESE 1/4 - 1/2 (0.315 mi.)</i>	<i>1</i>	<i>8</i>
<i>ASHVILLE OIL CO</i> FR Status: Active FR Status: CON: a release is confirmed Facility Status: Active FR Status: CON: a release is confirmed	<i>295 LONG ST</i>	<i>ESE 1/4 - 1/2 (0.318 mi.)</i>	<i>2</i>	<i>8</i>

Count: 15 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
ASHVILLE	S106291077	ASHVILLE OIL CO	N & A		SPILLS
ASHVILLE	S106284554	ASHVILLE WATER PLANT	N & A		SPILLS
ASHVILLE	U004103401	UNKNOWN (DRAISE & CLAY RESID)	24TH & 32 W STATION ST	43103	LUST
ASHVILLE	1010566889	NORFOLK SOUTHERN CORPORATION	RT 316 & WALNUT CR BR	43103	RCRA-SQG
ASHVILLE	1016133154	ASHVILLE GRAIN CO	50 W MAIN ST	43103	FINDS
ASHVILLE	S110054576	ASHVILLE GRANERY	MAIN ST		SPILLS
ASHVILLE	S111003829	ASHVILLE WWTP	MAIN ST		SPILLS
ASHVILLE	S111003528	ASHVILLE WWTP	MAIN ST		SPILLS
ASHVILLE	S108918186	ASHVILLE MIDDLE SCHOOL	NE OF & ASHVILLE PIKE	43103	NPDES
ASHVILLE	S108968976	REYNOLDS METALS CO BLDG PRODUCTION	REYNOLDS RD	43103	DERR, VCP
ASHVILLE	1015735774	REYNOLDS METALS CO BLDG PROD PLT	REYNOLDS RD	43103	RCRA-TSDF, CERC-NFRAP, CORRAI RCRA-LQG, TRIS
ASHVILLE	U004100081	ROESE BROS. PAVING, INC.	14360 STATE 104	43103	LUST, ARCHIVE UST
ASHVILLE	S106317251	ASHVILLE WWTP	WALNUT CREEK PUMP STA		SPILLS
SOUTH BLOOMFIELD	S110130862	SOUTH BLOOMFIELD WWTP	501 STHY 316	43103	NPDES
SOUTH BLOOMFIELD	1006976412	SOUTH BLOOMFIELD WWTP NO 2	501 STHY 316 W	43103	FINDS

OVERVIEW MAP - 3744488.2s



- ★ 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

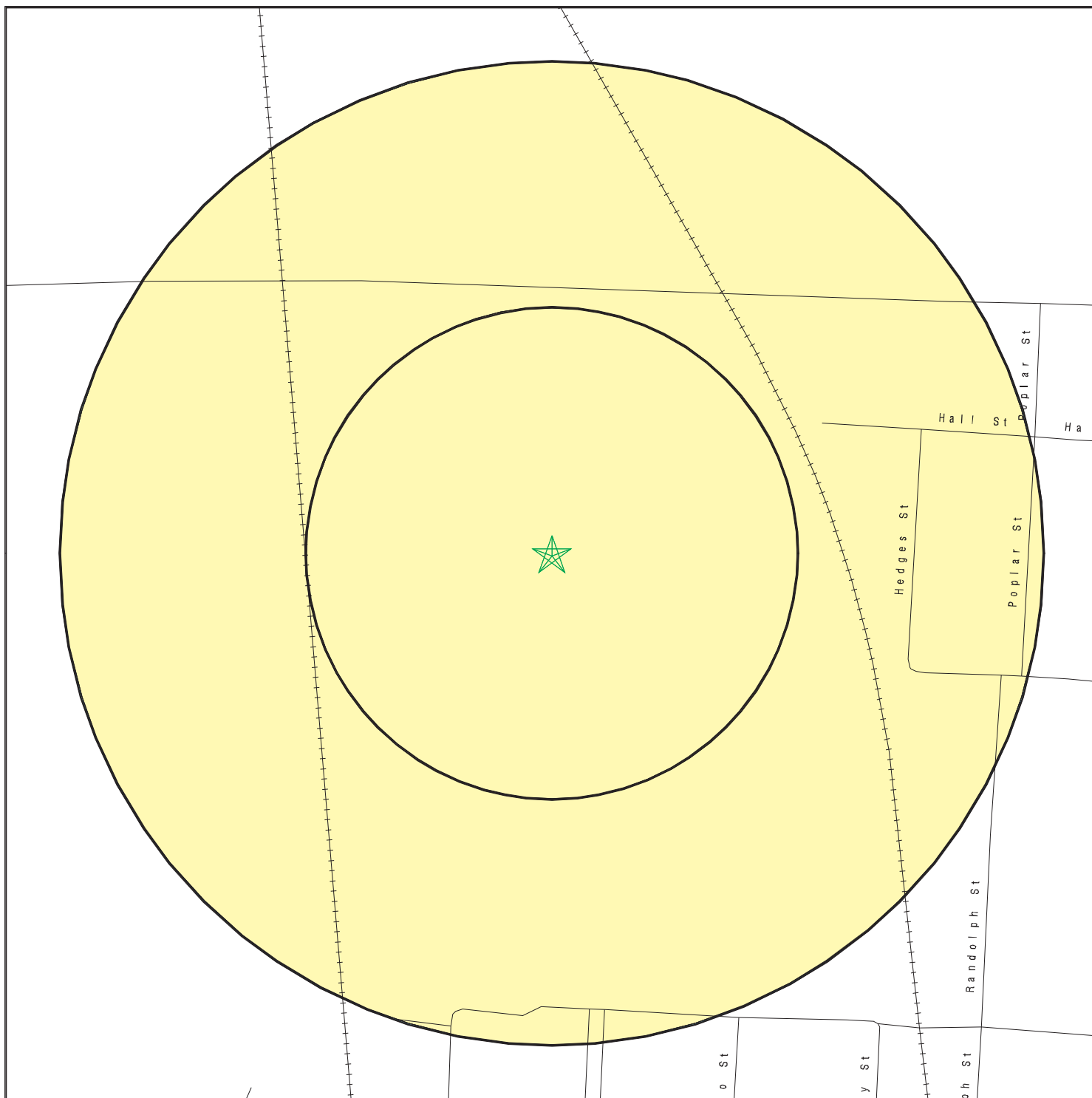
- Indian Reservations BIA
- ⚡ Power transmission lines
- ⚡ Oil & Gas pipelines from USGS
- ▨ 100-year flood zone
- ▨ 500-year flood zone
- National Wetland Inventory
- State Wetlands








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





SITE NAME: Ashville WWTP
 ADDRESS: Ohio 752/Ohio 316
 Ashville OH 43103
 LAT/LONG: 39.7217 / 82.9588

CLIENT: URS Corporation
 CONTACT: Joel Moore
 INQUIRY #: 3744488.2s
 DATE: October 01, 2013 2:07 pm

DETAIL MAP - 3744488.2s



-  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
-  Oil & Gas pipelines from USGS
-  100-year flood zone
-  500-year flood zone

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

SITE NAME: Ashville WWTP
 ADDRESS: Ohio 752/Ohio 316
 Ashville OH 43103
 LAT/LONG: 39.7217 / 82.9588

CLIENT: URS Corporation
 CONTACT: Joel Moore
 INQUIRY #: 3744488.2s
 DATE: October 01, 2013 2:08 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<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>								
CERCLIS	0.500		0	0	0	NR	NR	0
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site List</i>								
CERC-NFRAP	0.500		0	0	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	0	NR	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
LUCIS	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	N/A		N/A	N/A	N/A	N/A	N/A	N/A
DERR	1.000		0	0	1	0	NR	1
<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	2	NR	NR	2
UNREG LTANKS	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
State and tribal registered storage tank lists								
UST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
ENG CONTROLS	0.500		0	0	0	NR	NR	0
INST CONTROL	0.500		0	0	0	NR	NR	0
HIST INST CONTROLS	0.500		0	0	0	NR	NR	0
HIST ENG CONTROLS	0.500		0	0	0	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
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								
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
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
Local Lists of Hazardous waste / Contaminated Sites								
US CDL	TP		NR	NR	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
ARCHIVE UST	0.250		0	0	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
SPILLS 80	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
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	0	NR	0
CONSENT	1.000		0	0	0	0	NR	0
ROD	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
TOWNGAS	1.000		0	0	0	0	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
USD	0.500		0	0	0	NR	NR	0
HIST USD	0.500		0	0	0	NR	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
CRO	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
Financial Assurance	TP		NR	NR	NR	NR	NR	0
LEAD SMELTERS	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 US Hist Auto Stat	0.250		0	0	NR	NR	NR	0
EDR US Hist Cleaners	0.250		0	0	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>
-----------------	--	----------------------------	-----------------	------------------	------------------	----------------	---------------	--------------------------

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

N/A = This State does not maintain a SHWS list. See the Federal CERCLIS list.

MAP FINDINGS

Map ID Direction Distance Elevation		Database(s)	EDR ID Number EPA ID Number
--	--	-------------	--------------------------------

1 ESE 1/4-1/2 0.315 mi. 1662 ft.	ASHVILLE EXPRESS (VALERO) 320 LONG ST ASHVILLE, OH 43103	LUST UST ARCHIVE UST	U000894977 N/A
---	---	---	---------------------------------

[Click here for full text details](#)

Relative:
Higher

LUST
FR Status: Inactive FR Status: NFA: No Further Action
Facility Status: Inactive FR Status: NFA: No Further Action

UST
Facility Id: 65000044
Tank Status: CIU - Currently In Use

ARCHIVE UST
Facility Id: 65000044

2 ESE 1/4-1/2 0.318 mi. 1678 ft.	ASHVILLE OIL CO 295 LONG ST ASHVILLE, OH 43103	DERR LUST ARCHIVE UST	U004084523 N/A
---	---	--	---------------------------------

[Click here for full text details](#)

Relative:
Higher

DERR
DERR Id: 165002354
Activity: RR

LUST
FR Status: Active FR Status: CON: a release is confirmed
Facility Status: Active FR Status: CON: a release is confirmed

ARCHIVE UST
Facility Id: 65002031

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
OH	AIRS	Title V Permits Listing	Ohio EPA	06/28/2013	06/28/2013	08/15/2013
OH	ARCHIVE UST	Archived Underground Storage Tank Sites	Department of Commerce, Division of State Fir	08/18/2013	08/20/2013	09/23/2013
OH	BROWNFIELDS	Ohio Brownfield Inventory	Ohio EPA	06/17/2013	06/20/2013	08/14/2013
OH	CDL	Clandestine Drug Lab Locations	Ohio EPA	08/21/2013	08/23/2013	09/23/2013
OH	COAL ASH	Coal Ash Disposal Site Listing	Ohio EPA	02/07/2012	02/17/2012	03/28/2012
OH	CRO	Cessation of Regulated Operations Facility Listing	Ohio EPA	03/28/2013	05/17/2013	06/17/2013
OH	DERR	Division of Emergency & Remedial Response's Database	Ohio EPA	08/14/2013	08/16/2013	09/23/2013
OH	DRYCLEANERS	Drycleaner Facility Listing	Ohio EPA	07/03/2013	07/05/2013	08/14/2013
OH	ENG CONTROLS	Sites with Engineering Controls	Ohio EPA	08/14/2013	08/16/2013	09/23/2013
OH	Financial Assurance	Financial Assurance Information Listing	Ohio EPA	07/15/2013	07/17/2013	08/14/2013
OH	HIST ENG CONTROLS	Operation & Maintenance Agreements Database	Ohio EPA	05/10/2005	04/04/2006	05/04/2006
OH	HIST INST CONTROLS	Institutional Controls Database	Ohio EPA	05/10/2005	04/06/2006	05/04/2006
OH	HIST LF	Old Solid Waste Landfill	Ohio EPA	01/01/1980	07/01/2003	07/17/2003
OH	HIST USD	Urban Setting Designations Database	Ohio EPA	05/10/2005	04/25/2006	05/11/2006
OH	INST CONTROL	Sites with Institutional Engineering Controls	Ohio Environmental Protection Agency	08/14/2013	08/16/2013	09/23/2013
OH	LUST	Leaking Underground Storage Tank File	Department of Commerce	08/18/2013	08/20/2013	09/23/2013
OH	NPDES	NPDES General Permit List	Ohio EPA	08/12/2013	08/15/2013	09/23/2013
OH	SHWS	This state does not maintain a SHWS list. See the Federal CE	Ohio EPA			
OH	SPILLS	Emergency Response Database	Ohio EPA	08/21/2013	08/23/2013	09/23/2013
OH	SPILLS 80	SPILLS80 data from FirstSearch	FirstSearch	04/24/2004	01/03/2013	03/01/2013
OH	SPILLS 90	SPILLS90 data from FirstSearch	FirstSearch	09/13/2012	01/03/2013	02/27/2013
OH	SWF/LF	Licensed Solid Waste Facilities	Ohio Environmental Protection Agency	07/22/2013	07/24/2013	09/23/2013
OH	SWRCY	Recycling Facility Listing	Ohio EPA	01/14/2013	01/15/2013	03/19/2013
OH	TOWNGAS	DERR Towngas Database	Ohio EPA	07/28/1992	02/21/2003	03/05/2003
OH	UIC	Underground Injection Wells Listing	Ohio EPA	07/08/2013	08/15/2013	09/23/2013
OH	UNREG LTANKS	Ohio Leaking UST File	Department of Commerce	08/25/1999	08/19/2003	08/26/2003
OH	USD	Urban Setting Designation Sites	Ohio EPA	08/14/2013	08/16/2013	09/23/2013
OH	UST	Underground Storage Tank Tank File	Department of Commerce	08/18/2013	08/20/2013	09/20/2013
OH	VCP	Voluntary Action Program Sites	Ohio EPA, Voluntary Action Program	08/14/2013	08/16/2013	09/23/2013
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	11/11/2011	05/18/2012	05/25/2012
US	BRS	Biennial Reporting System	EPA/NTIS	12/31/2011	02/26/2013	04/19/2013
US	CERCLIS	Comprehensive Environmental Response, Compensation, and Liab	EPA	04/26/2013	05/29/2013	08/09/2013
US	CERCLIS-NFRAP	CERCLIS No Further Remedial Action Planned	EPA	04/26/2013	05/29/2013	08/09/2013
US	COAL ASH DOE	Sleam-Electric Plan Operation Data	Department of Energy	12/31/2005	08/07/2009	10/22/2009
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	08/17/2010	01/03/2011	03/21/2011
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	12/31/2011	01/15/2013	03/13/2013
US	CORRACTS	Corrective Action Report	EPA	07/11/2013	08/08/2013	09/13/2013
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009
US	DELISTED NPL	National Priority List Deletions	EPA	04/26/2013	05/09/2013	07/10/2013
US	DOD	Department of Defense Sites	USGS	12/31/2005	11/10/2006	01/11/2007
US	DOT OPS	Incident and Accident Data	Department of Transporation, Office of Pipeli	07/31/2012	08/07/2012	09/18/2012
US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
US	EDR US Hist Auto Stat	EDR Exclusive Historic Gas Stations	EDR, Inc.			
US	EDR US Hist Auto Stat	EDR Proprietary Historic Gas Stations - Cole				
US	EDR US Hist Cleaners	EDR Proprietary Historic Dry Cleaners - Cole				
US	EDR US Hist Cleaners	EDR Exclusive Historic Dry Cleaners	EDR, Inc.			
US	EPA WATCH LIST	EPA WATCH LIST	Environmental Protection Agency	06/30/2013	08/13/2013	09/13/2013

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	ERNS	Emergency Response Notification System	National Response Center, United States Coast	12/31/2012	01/17/2013	02/15/2013
US	FEDERAL FACILITY	Federal Facility Site Information listing	Environmental Protection Agency	07/31/2012	10/09/2012	12/20/2012
US	FEDLAND	Federal and Indian Lands	U.S. Geological Survey	12/31/2005	02/06/2006	01/11/2007
US	FEMA UST	Underground Storage Tank Listing	FEMA	01/01/2010	02/16/2010	04/12/2010
US	FINDS	Facility Index System/Facility Registry System	EPA	03/08/2013	03/21/2013	07/10/2013
US	FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA/Office of Prevention, Pesticides and Toxi	04/09/2009	04/16/2009	05/11/2009
US	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA	04/09/2009	04/16/2009	05/11/2009
US	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	12/31/2011	02/26/2013	03/13/2013
US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	12/31/2012	01/03/2013	02/27/2013
US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	07/20/2011	11/10/2011	01/10/2012
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	09/28/2012	11/01/2012	04/12/2013
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	02/05/2013	02/06/2013	04/12/2013
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	02/06/2013	02/08/2013	04/12/2013
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	09/12/2011	09/13/2011	11/11/2011
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	12/31/2012	02/28/2013	04/12/2013
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	08/27/2012	08/28/2012	10/16/2012
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	03/01/2013	03/01/2013	04/12/2013
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2005	12/08/2006	01/11/2007
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	09/28/2012	11/07/2012	04/12/2013
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	02/05/2013	02/06/2013	04/12/2013
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	02/06/2013	02/08/2013	04/12/2013
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	08/02/2012	08/03/2012	11/05/2012
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	05/10/2011	05/11/2011	06/14/2011
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	12/31/2012	02/28/2013	04/12/2013
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	08/27/2012	08/28/2012	10/16/2012
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	02/21/2013	02/26/2013	04/12/2013
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	09/28/2012	10/02/2012	10/16/2012
US	INDIAN VCP R7	Voluntary Cleanup Priority Lisitng	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	01/29/2013	02/14/2013	02/27/2013
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	02/06/2013	04/25/2013	05/10/2013
US	LUCIS	Land Use Control Information System	Department of the Navy	12/09/2005	12/11/2006	01/11/2007
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	03/14/2013	03/20/2013	07/10/2013
US	NPL	National Priority List	EPA	04/26/2013	05/09/2013	07/10/2013
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	PADS	PCB Activity Database System	EPA	11/01/2012	01/16/2013	05/10/2013
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	02/01/2011	10/19/2011	01/10/2012
US	PRP	Potentially Responsible Parties	EPA	04/15/2013	07/03/2013	09/13/2013
US	Proposed NPL	Proposed National Priority List Sites	EPA	04/26/2013	05/09/2013	07/10/2013
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RADINFO	Radiation Information Database	Environmental Protection Agency	04/09/2013	04/11/2013	05/10/2013
US	RCRA NonGen / NLR	RCRA - Non Generators	Environmental Protection Agency	07/11/2013	08/08/2013	09/13/2013
US	RCRA-CESQG	RCRA - Conditionally Exempt Small Quantity Generators	Environmental Protection Agency	07/11/2013	08/08/2013	09/13/2013

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	07/11/2013	08/08/2013	09/13/2013
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	07/11/2013	08/08/2013	09/13/2013
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	07/11/2013	08/08/2013	09/13/2013
US	RMP	Risk Management Plans	Environmental Protection Agency	05/08/2012	05/25/2012	07/10/2012
US	ROD	Records Of Decision	EPA	12/18/2012	03/13/2013	04/12/2013
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	03/07/2011	03/09/2011	05/02/2011
US	SSTS	Section 7 Tracking Systems	EPA	12/31/2009	12/10/2010	02/25/2011
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2011	07/31/2013	09/13/2013
US	TSCA	Toxic Substances Control Act	EPA	12/31/2006	09/29/2010	12/02/2010
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	09/14/2010	10/07/2011	03/01/2012
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (EPA	01/23/2013	01/30/2013	05/10/2013
US	US AIRS MINOR	Air Facility System Data	EPA	01/23/2013	01/30/2013	05/10/2013
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	06/24/2013	06/25/2013	08/09/2013
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	03/04/2013	03/12/2013	05/10/2013
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	03/14/2013	03/29/2013	05/10/2013
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	03/04/2013	03/15/2013	05/10/2013
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	09/01/2007	11/19/2008	03/30/2009
US	US INST CONTROL	Sites with Institutional Controls	Environmental Protection Agency	03/14/2013	03/29/2013	05/10/2013
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	02/05/2013	04/18/2013	05/10/2013
CT	CT MANIFEST	Hazardous Waste Manifest Data	Department of Energy & Environmental Protecti	05/20/2013	05/21/2013	06/27/2013
NJ	NJ MANIFEST	Manifest Information	Department of Environmental Protection	12/31/2011	07/19/2012	08/28/2012
NY	NY MANIFEST	Facility and Manifest Data	Department of Environmental Conservation	08/01/2013	08/07/2013	09/10/2013
PA	PA MANIFEST	Manifest Information	Department of Environmental Protection	12/31/2012	07/24/2013	08/19/2013
RI	RI MANIFEST	Manifest information	Department of Environmental Management	12/31/2012	06/21/2013	08/05/2013
VT	VT MANIFEST	Hazardous Waste Manifest Data	Department of Environmental Conservation	05/01/2013	08/14/2013	09/20/2013
WI	WI MANIFEST	Manifest Information	Department of Natural Resources	12/31/2012	08/09/2013	09/27/2013
US	Oil/Gas Pipelines	GeoData Digital Line Graphs from 1:100,000-Scale Maps	USGS			
US	Electric Power Lines	Electric Power Transmission Line Data	Rextag Strategies Corp.			
US	AHA Hospitals	Sensitive Receptor: AHA Hospitals	American Hospital Association, Inc.			
US	Medical Centers	Sensitive Receptor: Medical Centers	Centers for Medicare & Medicaid Services			
US	Nursing Homes	Sensitive Receptor: Nursing Homes	National Institutes of Health			
US	Public Schools	Sensitive Receptor: Public Schools	National Center for Education Statistics			
US	Private Schools	Sensitive Receptor: Private Schools	National Center for Education Statistics			
OH	Daycare Centers	Sensitive Receptor: Licensed Child Day Care Facilities	Department of Job & Family Services			
US	Flood Zones	100-year and 500-year flood zones	Emergency Management Agency (FEMA)			
US	NWI	National Wetlands Inventory	U.S. Fish and Wildlife Service			
OH	State Wetlands	Wetlands Inventory	Department of Natural Resources			

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

<u>St</u>	<u>Acronym</u>	<u>Full Name</u>	<u>Government Agency</u>	<u>Gov Date</u>	<u>Arvl. Date</u>	<u>Active Date</u>
US	USGS 7.5' Topographic Map	Scanned Digital USGS 7.5' Topographic Map (DRG)	USGS			

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

ASHVILLE WWTP
OHIO 752/OHIO 316
ASHVILLE, OH 43103

TARGET PROPERTY COORDINATES

Latitude (North):	39.7217 - 39° 43' 18.12"
Longitude (West):	82.9588 - 82° 57' 31.68"
Universal Transverse Mercator:	Zone 17
UTM X (Meters):	332110.2
UTM Y (Meters):	4398494.5
Elevation:	710 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	39082-F8 ASHVILLE, OH
Most Recent Revision:	1992

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).

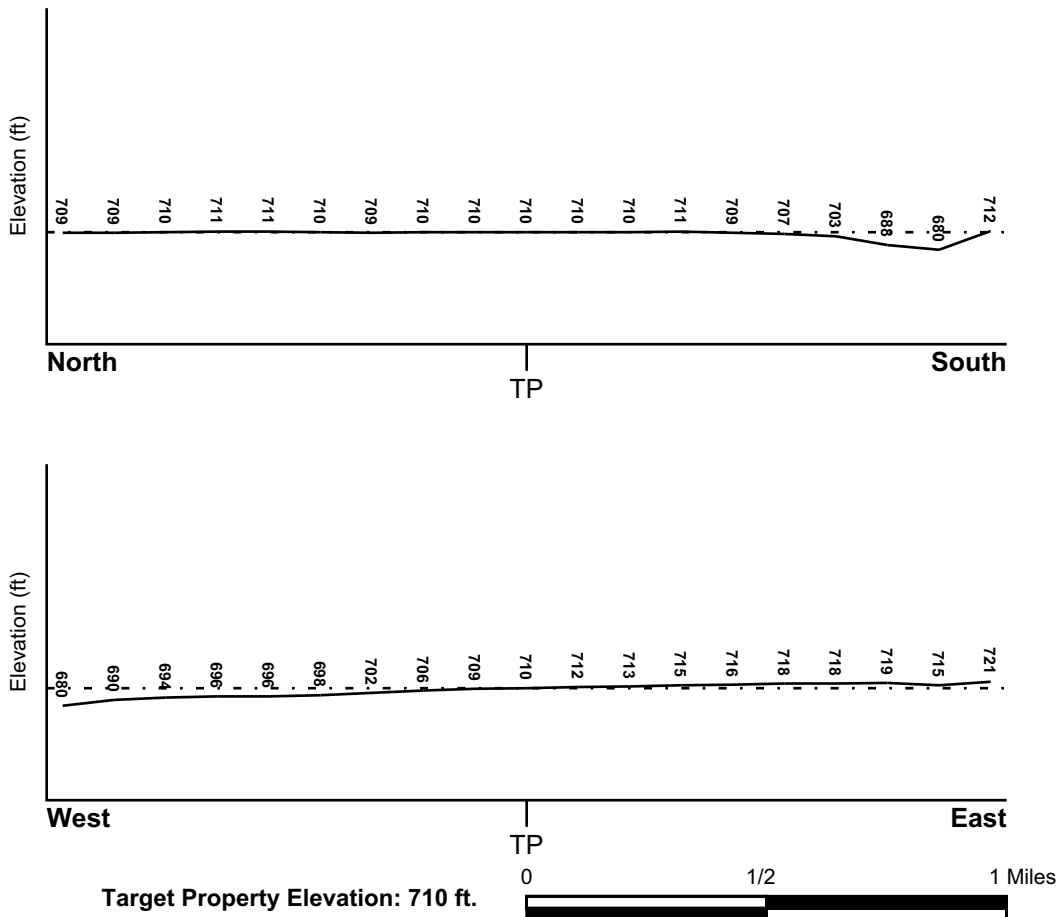
TOPOGRAPHIC INFORMATION

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 West

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>Target Property County</u> PICKAWAY, OH	<u>FEMA Flood Electronic Data</u> YES - refer to the Overview Map and Detail Map
Flood Plain Panel at Target Property:	39129C - FEMA DFIRM Flood data
Additional Panels in search area:	Not Reported

NATIONAL WETLAND INVENTORY

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

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

AQUIFLOW®

Search Radius: 1.000 Mile.

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

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

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

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

ROCK STRATIGRAPHIC UNIT

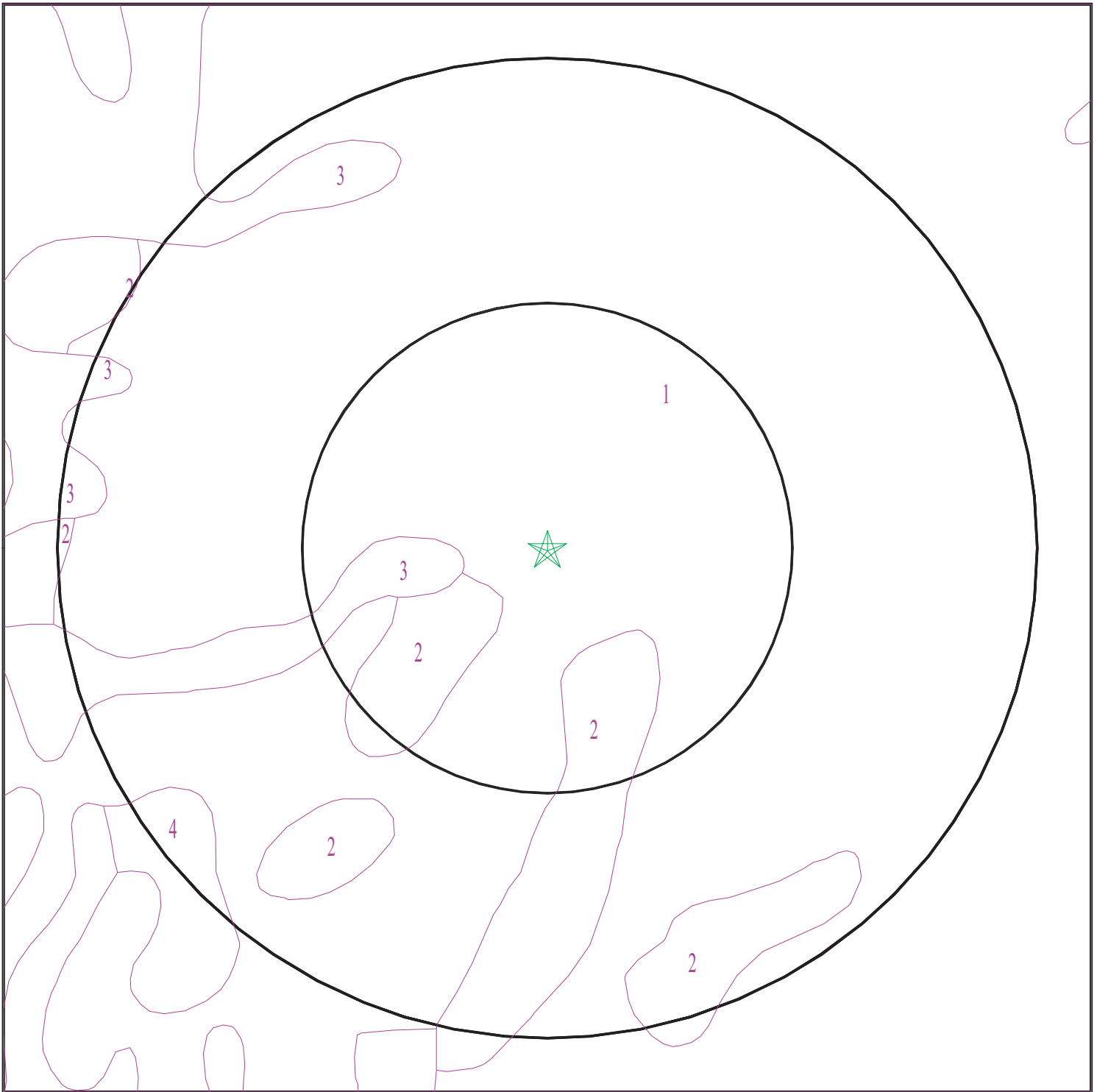
Era:	Paleozoic
System:	Devonian
Series:	Upper Devonian
Code:	D3 (<i>decoded above as Era, System & Series</i>)

GEOLOGIC AGE IDENTIFICATION

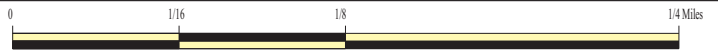
Category: Stratified Sequence

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

SSURGO SOIL MAP - 3744488.2s



- ★ Target Property
- ∩ SSURGO Soil
- ∩ Water



SITE NAME: Ashville WWTP
ADDRESS: Ohio 752/Ohio 316
Ashville OH 43103
LAT/LONG: 39.7217 / 82.9588

CLIENT: URS Corporation
CONTACT: Joel Moore
INQUIRY #: 3744488.2s
DATE: October 01, 2013 2:08 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: Crosby

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: > 61 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	11 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4.23 Min: 0.42	Max: 8.4 Min: 7.9
2	11 inches	35 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4.23 Min: 0.42	Max: 8.4 Min: 7.9
3	35 inches	59 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4.23 Min: 0.42	Max: 8.4 Min: 7.9

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 2

Soil Component Name: Miamian

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: Well drained

Hydric Status: Partially 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	9 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 4.23 Min: 1.41	Max: 8.4 Min: 7.4
2	9 inches	35 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 4.23 Min: 1.41	Max: 8.4 Min: 7.4
3	35 inches	59 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 4.23 Min: 1.41	Max: 8.4 Min: 7.4

Soil Map ID: 3

Soil Component Name: Kokomo

Soil Surface Texture: silty clay loam

Hydrologic Group: Class B/D - Drained/undrained hydrology class of soils that can be drained and are classified.

Soil Drainage Class: Very poorly drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 15 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	18 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4.23 Min: 1.41	Max: 8.4 Min: 7.4
2	18 inches	40 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4.23 Min: 1.41	Max: 8.4 Min: 7.4
3	40 inches	59 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4.23 Min: 1.41	Max: 8.4 Min: 7.4

Soil Map ID: 4

Soil Component Name: Eldean

Soil Surface Texture: 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: Unknown

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 141.14 Min: 42.34	Max: 8.4 Min: 6.6
2	7 inches	25 inches	gravelly clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 141.14 Min: 42.34	Max: 8.4 Min: 6.6
3	25 inches	29 inches	gravelly sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 141.14 Min: 42.34	Max: 8.4 Min: 6.6
4	29 inches	59 inches	stratified sand to very gravelly loamy sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 141.14 Min: 42.34	Max: 8.4 Min: 6.6

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>

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

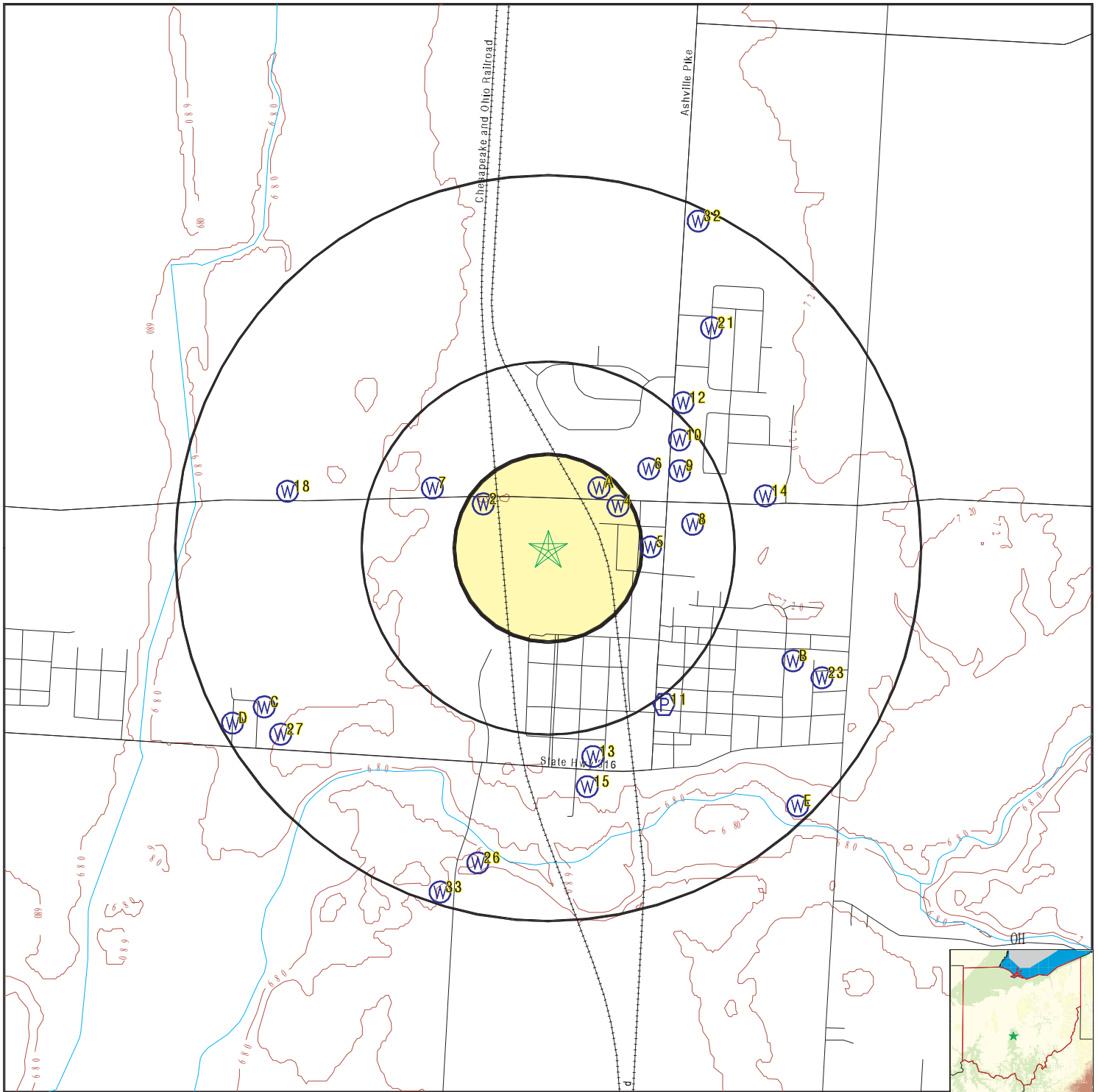
MAP ID	WELL ID	LOCATION FROM TP
11	OH6530012	1/2 - 1 Mile SE

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

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	OHD500000328922	1/8 - 1/4 Mile NE
2	OHD500000328923	1/8 - 1/4 Mile NW
A3	OHD500000329544	1/8 - 1/4 Mile NE
4	OHD500000328921	1/8 - 1/4 Mile ENE
5	OHD500000329543	1/4 - 1/2 Mile East
6	OHD500000329573	1/4 - 1/2 Mile NE
7	OHD500000328924	1/4 - 1/2 Mile WNW
8	OHD500000329545	1/4 - 1/2 Mile East
9	OHD500000328930	1/4 - 1/2 Mile ENE
10	OHD500000328931	1/4 - 1/2 Mile NE
12	OHD500000328932	1/2 - 1 Mile NE
13	OHD500000329542	1/2 - 1 Mile SSE
14	OHD500000328920	1/2 - 1 Mile ENE
15	OHD500000329139	1/2 - 1 Mile South
B16	OHPW50000000997	1/2 - 1 Mile ESE
B17	OHWT30000000460	1/2 - 1 Mile ESE
18	OHD500000328925	1/2 - 1 Mile WNW
B19	OHPW50000000993	1/2 - 1 Mile ESE
B20	OHPW50000000996	1/2 - 1 Mile ESE
21	OHD500000329547	1/2 - 1 Mile NE
B22	OHD500000329140	1/2 - 1 Mile ESE
23	OHD500000329138	1/2 - 1 Mile ESE
C24	OHD500000329144	1/2 - 1 Mile WSW
C25	OHD500000329143	1/2 - 1 Mile WSW
26	OHD500000329791	1/2 - 1 Mile SSW
27	OHD500000329530	1/2 - 1 Mile SW
C28	OHD500000329145	1/2 - 1 Mile WSW
C29	OHD500000708402	1/2 - 1 Mile WSW
D30	OHD500000716805	1/2 - 1 Mile WSW
E31	OHD500000618641	1/2 - 1 Mile SE
32	OHD500000328933	1/2 - 1 Mile NNE
33	OHD500000813151	1/2 - 1 Mile SSW
D34	OHD500000329142	1/2 - 1 Mile WSW
E35	OHD500000618643	1/2 - 1 Mile SE
D36	OHD500000329141	1/2 - 1 Mile WSW
D37	OHD500000717379	1/2 - 1 Mile WSW

PHYSICAL SETTING SOURCE MAP - 3744488.2s



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



- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location



SITE NAME: Ashville WWTP
 ADDRESS: Ohio 752/Ohio 316
 Ashville OH 43103
 LAT/LONG: 39.7217 / 82.9588

CLIENT: URS Corporation
 CONTACT: Joel Moore
 INQUIRY #: 3744488.2s
 DATE: October 01, 2013 2:08 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
A1 NE 1/8 - 1/4 Mile Higher	Click here for full text details	OH WELLS	OHD500000328922
2 NW 1/8 - 1/4 Mile Lower	Click here for full text details	OH WELLS	OHD500000328923
A3 NE 1/8 - 1/4 Mile Higher	Click here for full text details	OH WELLS	OHD500000329544
4 ENE 1/8 - 1/4 Mile Higher	Click here for full text details	OH WELLS	OHD500000328921
5 East 1/4 - 1/2 Mile Higher	Click here for full text details	OH WELLS	OHD500000329543
6 NE 1/4 - 1/2 Mile Higher	Click here for full text details	OH WELLS	OHD500000329573
7 WNW 1/4 - 1/2 Mile Lower	Click here for full text details	OH WELLS	OHD500000328924
8 East 1/4 - 1/2 Mile Higher	Click here for full text details	OH WELLS	OHD500000329545
9 ENE 1/4 - 1/2 Mile Higher	Click here for full text details	OH WELLS	OHD500000328930

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID	Direction	Distance	Elevation	Database	EDR ID Number
10	NE	1/4 - 1/2 Mile	Higher	OH WELLS	OHD500000328931
		Click here for full text details			
11	SE	1/2 - 1 Mile	Higher	FRDS PWS	OH6530012
		Click here for full text details			
12	NE	1/2 - 1 Mile	Higher	OH WELLS	OHD500000328932
		Click here for full text details			
13	SSE	1/2 - 1 Mile	Lower	OH WELLS	OHD500000329542
		Click here for full text details			
14	ENE	1/2 - 1 Mile	Higher	OH WELLS	OHD500000328920
		Click here for full text details			
15	South	1/2 - 1 Mile	Lower	OH WELLS	OHD500000329139
		Click here for full text details			
B16	ESE	1/2 - 1 Mile	Higher	OH WELLS	OHPW50000000997
		Click here for full text details			
B17	ESE	1/2 - 1 Mile	Higher	OH WELLS	OHWT30000000460
		Click here for full text details			
18	WNW	1/2 - 1 Mile	Lower	OH WELLS	OHD500000328925
		Click here for full text details			

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
B19 ESE 1/2 - 1 Mile Higher	Click here for full text details	OH WELLS	OHPW50000000993
B20 ESE 1/2 - 1 Mile Higher	Click here for full text details	OH WELLS	OHPW50000000996
21 NE 1/2 - 1 Mile Higher	Click here for full text details	OH WELLS	OHD500000329547
B22 ESE 1/2 - 1 Mile Higher	Click here for full text details	OH WELLS	OHD500000329140
23 ESE 1/2 - 1 Mile Higher	Click here for full text details	OH WELLS	OHD500000329138
C24 WSW 1/2 - 1 Mile Lower	Click here for full text details	OH WELLS	OHD500000329144
C25 WSW 1/2 - 1 Mile Lower	Click here for full text details	OH WELLS	OHD500000329143
26 SSW 1/2 - 1 Mile Lower	Click here for full text details	OH WELLS	OHD500000329791
27 SW 1/2 - 1 Mile Lower	Click here for full text details	OH WELLS	OHD500000329530

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
C28 WSW 1/2 - 1 Mile Lower	Click here for full text details	OH WELLS	OHD500000329145
C29 WSW 1/2 - 1 Mile Lower	Click here for full text details	OH WELLS	OHD500000708402
D30 WSW 1/2 - 1 Mile Lower	Click here for full text details	OH WELLS	OHD500000716805
E31 SE 1/2 - 1 Mile Lower	Click here for full text details	OH WELLS	OHD500000618641
32 NNE 1/2 - 1 Mile Higher	Click here for full text details	OH WELLS	OHD500000328933
33 SSW 1/2 - 1 Mile Lower	Click here for full text details	OH WELLS	OHD500000813151
D34 WSW 1/2 - 1 Mile Lower	Click here for full text details	OH WELLS	OHD500000329142
E35 SE 1/2 - 1 Mile Lower	Click here for full text details	OH WELLS	OHD500000618643
D36 WSW 1/2 - 1 Mile Lower	Click here for full text details	OH WELLS	OHD500000329141

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database

EDR ID Number

D37
WSW
1/2 - 1 Mile
Lower

[Click here for full text details](#)

OH WELLS

OHD500000717379

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: OH Radon

Radon Test Results

Zipcode	Num Tests	Maximum	Minimum	Arith Mean	Geo Mean
43103	137	102.5	0.1	15.93	8.11

Federal EPA Radon Zone for PICKAWAY County: 1

- Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 43103

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.900 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	7.500 pCi/L	0%	100%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

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

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

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

State Wetlands Data: Wetlands Inventory

Source: Department of Natural Resources

Telephone: 614-265-1044

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 Services

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 Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, 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

Public Water System Data

Source: Ohio Environmental Protection Agency

Telephone: 614-644-2752

The database includes community, transient noncommunity and nontransient noncommunity water wells; and source treatment unit locations.

Water Well Database

Source: Department of Natural Resources

Telephone: 614-265-6740

OTHER STATE DATABASE INFORMATION

RADON

State Database: OH Radon

Source: Department of Health

Telephone: 614-644-2727

Radon Statistics for Zip Code Areas

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

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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