# **Appendix I**

# PHASE I ENVIRONMENTAL SITE ASSESSMENT

**Mantle Rock Solar LLC** 

Livingston County, Kentucky

# PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT



Mantle Rock Solar KY-1608 & KY-135 Livingston County, Kentucky

May 16, 2023

# Prepared by:





May 16, 2023

Enerfín Renewables, LLC Copperhead Environmental Consulting, Inc. c/o Mr. Marty Marchaterre Senior Environmental Planner 151 Walton Avenue Lexington, Kentucky 40508

> Re: Phase I Environmental Site Assessment Report KY-1608 & KY-135

> > Livingston County, Kentucky

Linebach Funkhouser Project Number 036-23

Dear Mr. Marchaterre:

Linebach Funkhouser, Inc. (LFI) has completed the enclosed *Phase I Environmental Site Assessment Report* for the above-referenced property. The assessment activities included a site reconnaissance, interviews with persons knowledgeable about the site, a review of available literature, maps, historical information, and a review of the local, state and federal regulatory agency files regarding the site. The attached report documents the conditions encountered during the assessment and presents our summary and recommendations relative to the site.

We appreciate the opportunity to provide our services to you. Please contact us if you have any questions or comments regarding this submittal, or if we can be of additional service to you.

Sincerely,

Jason P. Boston Project Scientist

Charles D. Linebach, CHMM

( (1) Chebal

Principal

Enclosure

# **EXECUTIVE SUMMARY**

Linebach Funkhouser, Inc. (LFI) has completed a Phase I Environmental Site Assessment (ESA) of the property located along KY-1608 & KY-135 in Livingston County, Kentucky. This ESA was prepared in accordance with the scope and limitations of ASTM's *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (ASTM E1527-21). Results of the assessment, including a site reconnaissance, a review of historical information, a review of federal, state and local records, as well as interviews with persons knowledgeable about the site, are summarized as follows:

Report Section	Environmental Related Item	Description	REC	
SITE/AREA DESCRIPTION				
2.6	Current Use of Property		NO	
2.7	Current Use of Adjoining Properties	Undeveloped; residential	NO	
	SITE HISTORY A	ND HISTORICAL RECORDS REVIEW		
3.1	Past Uses of Property		NO	
3.2	Past Uses of Adjoining Properties	Undeveloped; residential	NO	
	ENVIRON	MENTAL RECORDS REVIEW		
4.1	Subject Property		NO	
4.1	Adjoining Properties	None on ASTM / AAI required databases.	NO	
4.2 Listings within Established Search Radii		Trone on Albarra, And required databases.	NO	
4.3	.3 Vapor Encroachment Screen Does not exist		NO	
	SIT	TE RECONNAISSANCE		
5.2	Haz. Substances/Waste and Petroleum Products	None observed	NO	
5.3	Storage Tanks (UST/AST)	None observed	NO	
5.5	Polychlorinated Biphenyls (PCBs)	None observed	NO	
5.9	5.9 Stained soil/pavement None observed		NO	
5.11	Waste Generation Storage		NO	
5.13	Wells	One water supply well	NO	
INTERVIEWS				
6.1	Site Representative	Site Representative  An interview by phone was made with Mr. Barry Chittenden on May 12, 2023. Mr. Chittenden reported no adverse environmental concerns with the property.		
6.3	Local Government Officials	None contacted based on current and historical uses.	NO	

Report Section	Environmental Related Item	Description	REC	
	NON-S	COPE CONSIDERATIONS		
7.1	Asbestos Containing Materials (ACMs)	No survey completed. Based on the construction materials (i.e., metal or wood) of	N/A	
7.2	Lead Based Paint (LBP)	the agricultural structures, ACMs and LBP are unlikely to be present.		
7.3	Undefined Emerging Contaminants	No obvious indications of potential contaminants, not currently defined by CERCLA, such as PFAS or biologically derived biproducts such as methane, were identified.		
USER PROVIDED INFORMATION				
8.1	Env. Liens / AULs	None Provided for review	NO	
9.0		DATA GAPS	NO	
10.0	FINI	DINGS AND OPINIONS	NO	
Recogniz	ed Environmental Conditions (RE	Cs) None Identified		
Historical Recognized Environmental Conditions (HRECs)		None Identified		
Controlled Recognized Environmental Conditions (CRECs)		None Identified		
De Minimis Conditions		None Identified		

# **Conclusions and Recommendations**

This assessment has revealed no evidence of *recognized environmental conditions* in connection with the property. Therefore, LFI does not recommend any further assessment.

This Executive Summary provides a summation of the results of the Phase I ESA and is not intended to be all-inclusive. The complete report lists the procedures used during our assessment and provides our conclusions and recommendations regarding the site.

# TABLE OF CONTENTS

1.0 INTRODUCTION	1
1.1 Purpose	1
1.2 Scope of Work	2
1.3 Terms and Conditions	3
1.4 Assumptions, Limitations and Exceptions	3
2.0 SITE DESCRIPTION	
2.1 Location and Description	5
2.2 Structures / Improvements	5
2.3 Municipal Services and Utilities	5
2.4 Roads	5
2.5 Topography and Drainage	5
2.6 Current Use of Property	6
2.7 Current Use of Adjoining Properties	
3.0 SITE HISTORY AND HISTORICAL RECORDS REVIEW	6
3.1 Past Uses of Property	6
3.2 Past Uses of Adjoining Properties	7
3.3 Topographic Maps	
3.4 Aerial Photographs	
3.5 Sanborn Fire Insurance Maps	
3.6 City Directories	
4.0 ENVIRONMENTAL RECORDS REVIEW	
4.1 Listings for Subject Site or Adjoining Properties	
4.2 Listings within Established Search Radii	
4.3 Vapor Encroachment Screen	
5.0 SITE RECONNAISSANCE	11
5.1 Site Reconnaissance Methodologies	
5.2 Hazardous Substances/Waste and Petroleum Products	
5.3 Underground Storage Tanks (USTs) & Aboveground Storage Tanks (ASTs)	
5.3.1 Underground Storage Tanks (USTs)	
5.3.2 Aboveground Storage Tanks (ASTs)	
5.4 Odors	
5.5 Drums and Containers	
5.6 Polychlorinated Biphenyls (PCBs)	
5.7 Drains and Sumps	
5.8 Pits, Ponds, and Lagoons	
5.9 Stained Soil / Pavement	
5.10 Stressed Vegetation	
5.11 Waste Generation, Storage, and Disposal	
5.12 Waste Water	
5.13 Wells	
5.14 Septic Systems	
6.0 INTERVIEWS	
6.1 Property Representative	
6.2 Occupants	
0.5 LOCAL GOVERNMENT OFFICIALS	14

7.0 NON-SCOPE CONSIDERATIONS	14
7.1 Asbestos Containing Materials (ACMs)	14
7.2 Lead-Based Paint (LBP)	
7.3 Undefined Emerging Contaminants	15
8.0 USER PROVIDED INFORMATION	
8.1 Environmental Liens or Activity and Use Limitations	15
8.2 Common/Specialized Knowledge or Experience	
8.3 Reasons for Significantly Lower Purchase Price	16
9.0 DATA GAPS	16
10.0 FINDINGS AND OPINIONS	16
11.0 CONCLUSIONS AND RECOMMENDATIONS	17
12.0 CERTIFICATION OF ENVIRONMENTAL PROFESSIONAL	17
13.0 REFERENCES	18

# LIST OF FIGURES

Figure 1 – Site Location Map

Figure 2 – Aerial Photograph Showing Site and Vicinity

# LIST OF APPENDICES

Appendix A – Site Photographs Appendix B – Historical Research Documentation

Appendix C – Regulatory Database Documentation

# 1.0 INTRODUCTION

Linebach Funkhouser, Inc. (LFI) was retained by Enerfín Renewables, LLC & Copperhead Environmental Consulting, Inc. (the Clients), to conduct a Phase I Environmental Site Assessment (ESA) of the property located along KY-1608 & KY-135 in Livingston County, Kentucky (the "subject property").

# 1.1 Purpose

The purpose of this ESA was to document current and historical information on the subject property and surrounding areas in order to identify *recognized environmental conditions* (RECs), defined in ASTM E1527-21 as the presence or likely presence of any hazardous substances or petroleum products in, on, or at the property: (1) due to a release to the environment; (2) under conditions indicative of a likely release to the environment; or (3) under conditions that pose a material threat of a future release to the environment.

The term is not intended to include *de minimis* conditions, defined in ASTM E1527-21 as a condition related to a release that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimis* conditions are not *recognized environmental conditions* nor *controlled recognized environmental conditions*.

The term *historical recognized environmental condition* (HREC), is defined by ASTM E1527-21 as a past release of any hazardous substances or petroleum products that has occurred affecting the property and has been addressed to the satisfaction of the applicable regulatory authority (as evidenced by the issuance of a no further action letter or other equivalent closure documentation) and meeting the current unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (e.g., property use restriction, activity and use limitations, institutional controls, or engineering controls).

The term *controlled recognized environmental condition* (CREC), is defined by ASTM E1527-21 as an REC resulting from a past release of hazardous substances or petroleum products affecting the property and has been addressed to the satisfaction of the applicable regulatory authority (e.g.,

as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (e.g., property use restrictions, activity and use limitations, institutional controls, or engineering controls or other property use limitations).

# 1.2 Scope of Work

This ESA was conducted utilizing standard practices consistent with ASTM E1527-21. Any significant scope-of-work additions, deletions, or deviations to ASTM E1527-21 are noted below or in the corresponding sections of this report. The scope-of-work for this ESA included an evaluation of the following:

- General physical setting characteristics of the subject property and immediate vicinity through a review of one or more referenced sources, including topographic and geologic maps, soils and hydrologic reports.
- Historical usage of the subject property, adjoining properties, and surrounding area through a review of reasonably ascertainable sources such as land title records, fire insurance maps, city directories, aerial photographs, property tax files, prior environmental assessment reports, and interviews.
- Current land use and existing conditions of the subject property including observations
  and interviews regarding the use, treatment, storage, disposal or generation of
  hazardous substances, petroleum products and hazardous, regulated, or medical
  wastes; equipment that is known or likely to contain PCBs; storage tanks and drums;
  wells, drains and sumps; and pits, ponds or lagoons.
- Current land use of adjoining and surrounding area properties and the likelihood of known or suspected releases of hazardous substances or petroleum products to impact the subject property.
- Environmental regulatory database information and local environmental records within specified minimum search distances.

Unless otherwise identified in the report, the scope-of-work for this ESA did not include a consideration of the following potential environmental conditions that are outside the scope of ASTM Practice E1527-21 including but not limited to: asbestos-containing building materials, biological agents, cultural and historic resources, ecological resources, endangered species, health and safety, indoor air quality (unrelated to releases of hazardous substances or petroleum products

into the environment), industrial hygiene, lead-based paint, lead in drinking water, mold, radon, regulatory compliance, emerging contaminants, and wetlands.

# 1.3 Terms and Conditions

This Phase I ESA was performed on behalf of, and solely for the exclusive use of the Client. No other company, entity, or person shall have any rights with regard to LFI's contract with the Client including but not limited to indemnification by LFI, or any rights of reliance on the findings, conclusions, and recommendations of this or any subsequent reports regarding the subject property.

In accordance with ASTM E1527-21 provisions, this report is presumed to be valid for up to one year prior to the date of acquisition or transaction of the property. This presumption assumes that the report components, listed in the table below, are updated within 180 days prior to the intended date of purchase or prior to the dated of transaction of the property.

# **Critical Dates**

Phase I ESA Components	Date Completed
Interviews	May 12, 2023
Environmental Lien Search	N/A
Radius Report	April 6, 2023
Government Records Review	N/A
Visual Inspection property and surrounding properties	April 13, 2023
Declaration by Environmental Professional	May 16, 2023

# 1.4 Assumptions, Limitations and Exceptions

This ESA was prepared in accordance with the scope and limitations of ASTM's *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (ASTM E1527-21), recognized by the U.S. Environmental Protection Agency (USEPA) as compliant with *Standards and Practices for All Appropriate Inquiries* (AAI) promulgated at 40 CFR Part 312.

This Phase I Environmental Site Assessment has been prepared to assess the property with respect to hazardous substances defined in the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. §9601), and petroleum products. As such, this assessment is intended to permit the Client to satisfy one of the requirements to qualify for the innocent

landowner, contiguous property owner, or bona fide prospective purchaser limitations on CERCLA liability: that is, the practices that constitute "all appropriate inquiry into the previous ownership and uses of the subject property consistent with good commercial or customary practice" as defined in 42 USC §9601 (35)(B).

LFI conducted this ESA using reasonable efforts to identify recognized environmental conditions on the subject property. Findings within this report are based on the information obtained during the site reconnaissance, the electronic regulatory file review, a review of historical records, interviews, and from reasonably ascertainable and publicly available information obtained from public agencies and other referenced sources. The presence of recognized environmental conditions on a site may not always be apparent; consequently, the completion of a Phase I ESA cannot provide a guarantee that recognized environmental conditions do not exist in connection with a site.

This report is not definitive and should not be assumed to be a complete or specific determination of all conditions above or below grade. Current subsurface conditions may differ from the conditions indicated by surface observations or historical sources and can be most reliably evaluated through intrusive techniques that were beyond the scope of this ESA. Information in this report is not intended for use as a construction document and should not be used for demolition, renovation, or other construction purposes. LFI makes no representation or warranty that the past or current operations at the site are, or have been, in compliance with applicable federal, state and local laws, regulations and codes.

Environmental Data Resources, Inc. (EDR), an independent environmental data research company, provided the records from the government agency databases referenced in this report. Information regarding surrounding area properties was requested for the specified minimum search distances and was assumed to be correct and complete unless obviously contradicted by LFI's observations or other credible referenced sources reviewed during the ESA. LFI is not a professional title insurance or land surveying firm and makes no guarantee, explicit or implied, that any land title records acquired or reviewed, or any physical descriptions or depictions of the site in this report, represent a comprehensive definition or precise delineation of property ownership or boundaries.

#### 2.0 SITE DESCRIPTION

The location, description, and current uses of the subject property, as well as surrounding properties are presented in the following sections.

# 2.1 Location and Description

The subject property is located to the north of Hampton and to the south of Joy, Kentucky within Livingston County. A site location map is provided in **Figure 1** and an aerial photograph depicting the site and surrounding property use is provided in **Figure 2**. Site photographs are included in **Appendix A**.

# 2.2 Structures / Improvements

The subject property is predominately undeveloped. Wooded areas are located throughout the site.

Barn / agricultural structures were also observed in various locations on the property.

# 2.3 Municipal Services and Utilities

The subject property is serviced by the following municipal services and utilities:

Utility	Provider	
Potable Water Supply		
Sewage Disposal	N/A	
Natural Gas		
Electricity	Jackson Purchase Energy	

#### 2.4 Roads

The property is located to the east and west of KY-135 and north and south of KY-1608. Few gravel access drives are located on the property. No other publicly owned roads are located on the property.

# 2.5 Topography and Drainage

A review of the *Golconda, IL* United States Geological Survey (USGS) Topographic Quadrangle (2018) indicates a surface elevation for the subject property averages approximately 595 feet above the National Geodetic Vertical Datum (NGVD) of 1929 (approximately mean sea level). A copy of the topographic map is provided in **Figure 1** and **Appendix B**.

Major hydrogeologic features such as a river or lake generally influence regional groundwater flow direction. Surface and/or bedrock topography may also influence regional groundwater flow direction. Based on information gathered during the site visit, the topography of the land, and information contained in the Environmental Data Resources, Inc. (EDR) report, the direction of surface and groundwater flow is interpreted to be west with the local topographic gradient. The nearest downgradient surface water is Peak Branch that borders the subject property to the north and west.

# 2.6 Current Use of Property

The subject property is predominately undeveloped farmland. Barn / agricultural structures are located throughout the property.

# 2.7 Current Use of Adjoining Properties

Nearby property usage could potentially impact the surface and subsurface conditions of a site. Developing a history of past to present uses or occupancies can provide an indication of the likelihood of environmental concern. Surrounding properties generally consist of undeveloped farmland. An aerial photograph illustrating the surrounding property-use relative to the subject property is included as **Figure 2**.

No evidence of potential adverse environmental conditions was observed during the survey of adjacent properties from the subject site.

# 3.0 SITE HISTORY AND HISTORICAL RECORDS REVIEW

Historical information about the subject property, based on an evaluation of available records reviewed during the Phase I, is included in the following sections.

# 3.1 Past Uses of Property

LFI attempted to determine the historical use of the subject property dating back to 1940 or the first developed use. The following table summarizes the historical use of the subject property:

# **Historical Use Summary**

Subject Property		
Period	Mantle Rock Project Area	Source(s)
1916 - Current	The subject property has been historically and primarily used for agricultural and rural residential purposes.	Topographic Maps Aerial Photographs

# 3.2 Past Uses of Adjoining Properties

Properties in the vicinity have been predominately utilized for agricultural purposes. Residential properties have been developed along KY-1608 & KY-135 and in the vicinity of the site historically.

# 3.3 Topographic Maps

Historical topographic maps provide information related to physical land configuration such as elevation, ground slope, surface water and other features. While most buildings in densely developed urban centers are not depicted, topographic maps typically show structures equal to or larger than the size of a single-family residence in rural areas. A search for historical topographic maps of the subject property and surrounding area was conducted by EDR and provided to LFI in a *Historical Topographic Map Report* dated April 6, 2023. Topographic maps were provided for various years between 1916 and 2019. A copy of the EDR *Historical Topographic Map Report* is included in **Appendix B** and summarized as follows:

#### **Historical Topographic Maps**

Year	Issues Noted	Observations	
1916 - 1996	No	<b>Subject Property:</b> Predominately undeveloped, few small structures are located on the northern and southern portions of the property. Tributaries of Peck Branch border the northern and northwest sides of the property and traversing south through the site. Few ponds are depicted throughout the site. <b>Surrounding Properties:</b> Sparse residential / barn structures are observed. Goodhope Church and cemetery are located within the property. Goodhope Bluff borders the site to the east.	
2011(1)	No	Subject Property: No structures or identifying features are shown.	
2019	INO	Surrounding Properties: Major roads and highways are shown, no individual structures.	

<sup>(1)</sup> Beginning with the 2010 map updates, the USGS elected to omit building footprints, urban designations, and other points of interest from topographic map updates.

# 3.4 Aerial Photographs

Aerial photographs are generally of very small scale and only provide a general idea of activity in the area. Aerial photographs are instantaneous records and their usefulness is limited because they do not necessarily reflect the condition of a site before or after the photographs were taken. A search for aerial photographs of the subject property and surrounding area was conducted by EDR and provided to LFI in an *Aerial Photo Decade Package* dated April 10, 2023. Aerial photographs were provided for various years from 1952 to 2016. A copy of the EDR *Aerial Photo Report* is included in **Appendix B** and a summary is presented in the following table:

# **Aerial Photographs**

Year	Issues Noted	Observations
1952 -	No	<b>Subject Property:</b> Subject property appears to be predominately agricultural in nature. Residential and barn structures are observed on the northern and southern portions of the site. Few ponds and minor wooded areas are observed on the property.
1983		<b>Surrounding Properties:</b> The surrounding properties are generally agricultural, wooded and residential in nature. The church and cemetery are observed.
1993	No	<b>Subject Property:</b> Residential structures are no longer observed; otherwise, appears similar to present day.
		Surrounding Properties: Observed similar to their present-day configuration.
2008		Subject Property: Appears similar to present day.
2020	No	Surrounding Properties: Similar to their present-day configuration.

#### 3.5 Sanborn Fire Insurance Maps

A search for Sanborn fire insurance maps for the subject property and surrounding area was conducted by EDR and provided to LFI in a *Certified Sanborn Map Report*, dated April 6, 2023. Fire insurance maps were unavailable for the subject property and surrounding areas. A copy of the report stating "Unmapped Property" is provided in **Appendix B**.

# 3.6 City Directories

A search of historical city directories for the subject property and surrounding properties was conducted by EDR and provided to LFI in a *City Directory Abstract* dated April 8, 2023. City directories for the subject property and surrounding area were reviewed for various years between 1995 and 2020. Listings for the surrounding area were found to be primarily residential listings with no evidence of obvious adverse environmental conditions. A copy of the report is provided in **Appendix B**.

# 4.0 ENVIRONMENTAL RECORDS REVIEW

An electronic database search of files maintained by the U. S. EPA and the Kentucky Department for Environmental Protection (KDEP) was conducted by EDR on April 6, 2023 to evaluate the regulatory history of the subject property and surrounding properties. The search of standard federal, state, and tribal regulatory agency databases was conducted to (1) identify listings for the subject property and adjoining properties and (2) evaluate sites within applicable ASTM E1527-21 and AAI defined search radii that could cause actual or potential environmental impacts to the subject property. A summary of the results of the regulatory agency database search is provided in the following table:

**Regulatory Database Search Summary** 

Regulatory Database	Minimum Search Distance (MSD)	Property Listed?	# Sites Listed w/in MSD
Federal National Priority Site List (NPL)	1 Mile	NO	0
Federal De-Listed (Delisted NPL)	½ Mile	NO	0
Federal CERCLIS list (SEMS)	½ Mile	NO	0
Federal CERCLIS NFRAP site list (SEMS-ARCHIVE)	½ Mile	NO	0
Federal RCRA CORRACTS facilities list (CORRACTS)	1 Mile	NO	0
Federal RCRA non-CORRACTS TSD facilities list (RCRA-TSDF)	½ Mile	NO	0
Federal RCRA Generators (RCRA-LQG, RCRA-SQG, RCRA-VSQG)	Subject and/or adjoining	NO	0/0
Federal Institutional/Engineering Control Registry (LUCIS, US ENG CONTROLS, US INST CONTROLS)	Subject	NO	0
Federal ERNS list (ERNS)	Subject	NO	0
State/Tribal Haz. Equivalent CERCLIS (SHWS)	1 Mile	NO	0
State/Tribal Landfill or Solid Waste Disposal Sites (SWF/LF)	½ Mile	NO	0
State/Tribal Leaking Storage Tank Lists (LUST, LAST)	½ Mile	NO	0
State/Tribal Registered Storage Tank Lists (UST)	Subject and/or adjoining	NO	0
State/Tribal Institutional/Engineering Control Registry (IC/EC)	Subject	NO	0/0
State/Tribal Voluntary Cleanup Sites (VCP)	½ Mile	NO	0
Federal/State Brownfield Management System (BROWNFIELDS)	½ Mile	NO	0

The fact that sites do or do not appear on a list does not necessarily indicate that an environmental concern exists. In addition, sites may not be mapped in a list search due to inaccuracy of owner/operator records, government records, or errors occurring during conversion of the data by

informational sources. A copy of the EDR report that includes a detailed description of each database and the results of the database inquiries is provided in **Appendix C**.

# 4.1 Listings for Subject Site or Adjoining Properties

The EDR database search did not identify the subject property or any adjoining properties on ASTM/AAI required databases.

# 4.2 Listings within Established Search Radii

The EDR database search did not identify any listing within the established search radii (1 mile) on ASTM/AAI required databases.

The EDR environmental records search also provides a list of "orphan" sites, which are properties identified on ASTM/AAI required databases but that could not be mapped due to poor or inaccurate address information. EDR's records search listed no orphan sites.

# 4.3 Vapor Encroachment Screen

LFI conducted a Vapor Encroachment Screen (VES) utilizing the Tier 1 methodology provided in ASTM's *Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions* (E2600-15). The Tier 1 methodology in E2600-15 was utilized in order to identify a *Vapor Encroachment Condition* (VEC), which is "the presence or likely presence of chemicals of concern (COC) (i.e. – petroleum hydrocarbons and/or chlorinated solvents) vapors in the vadose zone of the subject property caused by the release of vapors from contaminated soil and/or groundwater either on or near the subject property". Information provided by EDR was reviewed to identify facilities within the Area of Concern (AOC) to evaluate whether contamination at nearby properties could represent a vapor encroachment condition (VEC) on the Site. The AOC for chlorinated solvents is defined in ASTM E2600-15 as the area within 1/3 mile of the property boundaries. For facilities at which the only COCs are petroleum hydrocarbons, the AOC includes the area within 0.1 mile of the property boundaries.

A review of historical use information and regulatory database documentation collected in the course of this Phase I ESA did not identify obvious evidence of COC that may migrate as vapors onto the subject property as a result of contaminated soil and/or groundwater known to be present

on or near the subject property. Therefore, our opinion based on the Tier 1 VES is that a VEC does not exist on the property.

# **5.0 SITE RECONNAISSANCE**

A site reconnaissance was conducted on April 13, 2023 by Mr. Jason Boston, Project Scientist, with LFI. Mr. Boston was unaccompanied during the site reconnaissance.

# **5.1 Site Reconnaissance Methodologies**

The purpose of the reconnaissance was to gather information regarding the environmental conditions at the subject property and surrounding areas. The site reconnaissance consisted of visual observations of the subject property and any existing improvements, adjoining properties as viewed from the subject property, and observations of nearby properties made from public thoroughfares.

At the time of the site reconnaissance, weather conditions were clear and approximately 75° Fahrenheit. No limiting conditions were present. Photographs taken during the site reconnaissance, depicting site conditions at the time of the visit, are provided in **Appendix A**.

# **5.2 Hazardous Substances/Waste and Petroleum Products**

No obvious indications of generation, use, storage, treatment, or disposal of hazardous substances/wastes or petroleum products were observed during site reconnaissance.

# 5.3 Underground Storage Tanks (USTs) & Aboveground Storage Tanks (ASTs)

The site reconnaissance included a search for physical features such as fill ports, slumped pavement/ground surface, patched pavement, and evidence of underground piping or pump stations commonly associated with the current or historical presence of storage tanks. The absence of common physical features cannot completely rule out the current or historical existence of storage tanks. Site characteristics such as overgrown vegetation, new pavement, or past renovation/construction/demolition activities may prevent the identification of storage tanks.

# **5.3.1 Underground Storage Tanks (USTs)**

No evidence of current or former USTs was observed during site reconnaissance or reported during the site interview.

# **5.3.2** Aboveground Storage Tanks (ASTs)

No evidence of current or former ASTs was observed during site reconnaissance.

#### **5.4 Odors**

No strong, pungent or noxious odors were noticed during the site reconnaissance.

# 5.5 Drums and Containers

No obvious indications of drums or containers were observed during the site reconnaissance.

# **5.6 Polychlorinated Biphenyls (PCBs)**

Polychlorinated biphenyls (PCBs) are organic compounds that have been used extensively in electrical capacitors and transformers, lighting ballasts, hydraulic fluids, heat exchange fluids, lubricants, inks, sealants, adhesives and surface coatings since development in 1929. PCB production was banned in the U.S. in 1979 due to health and environmental hazards. Under the Toxic Substances Control Act (TSCA), as outlined in Title 40 of the Code of Federal Regulations (CFR) Part C, 761, the owners of PCB containing equipment are responsible for environmental impairment and liabilities caused by leakage of PCBs to the environment.

A single pole-mounted transformer is located near the southern property cattle area. The transformer appeared to be in good condition with no indication of leaks. No other equipment with the potential to contain PCBs was observed during the site reconnaissance.

# **5.7 Drains and Sumps**

No evidence of drains or sumps was observed during the site reconnaissance or reported during the site interview.

# 5.8 Pits, Ponds, and Lagoons

Multiple ponds are located throughout the subject property. No obvious evidence of pits, ponds or lagoons used for waste treatment or disposal was observed or reported during the site reconnaissance or reported during the site interview.

#### **5.9 Stained Soil / Pavement**

No obvious stained soil/pavement was observed during the site reconnaissance.

# **5.10 Stressed Vegetation**

No obvious areas of stressed vegetation were observed on the site.

# 5.11 Waste Generation, Storage, and Disposal

No obvious evidence of improper waste generation or storage was observed during the site reconnaissance.

# **5.12** Waste Water

No obvious evidence of process waste water discharge into a drain, ditch, or stream was observed on the subject property during the site reconnaissance.

# **5.13** Wells

One water supply well is located on the subject property near the southern property structures.

# **5.14 Septic Systems**

No obvious evidence of septic systems were observed during the site reconnaissance or reported during the site interview.

# 6.0 INTERVIEWS

The following interviews were conducted during the assessment in an effort to obtain information indicating potential RECs in connection with the subject property.

# **6.1 Property Representative**

An interview by phone was made with Mr. Barry Chittenden (property owner) on May 12, 2023. Mr. Chittenden reported no adverse environmental concerns with the property. Information provided by Mr. Chittenden is summarized throughout this assessment.

# **6.2 Occupants**

The subject property is predominately undeveloped land and utilized for cattle grazing.

#### **6.3 Local Government Officials**

No local government officials were contacted as part of this environmental site assessment based on current and historical uses of the subject or adjoining properties.

#### 7.0 NON-SCOPE CONSIDERATIONS

The following sections address environmental issues or conditions on the subject property that are outside the scope of ASTM E1527-21. Substances or materials may be present on the subject property that may lead to contamination of the subject property but are not defined by CERCLA as hazardous substances.

# 7.1 Asbestos Containing Materials (ACMs)

Asbestos is a general term for a group of fibrous minerals (primarily chrysotile, amosite and crocidolite) that have long been used as fireproof insulation and as a strengthener in pipe insulation, roofing tiles, floor tiles, wall coverings and other materials. Undisturbed asbestos-containing material (ACM) is not dangerous; however, when ACM is broken or torn, as during remodeling or demolition, the fibers can be spread into the air, especially if the material is friable. A friable material, by definition, is one that can be crushed, crumbled, pulverized, or reduced by hand pressure when dry. Due to health hazards, ACM use has been phased out since approximately 1978. The U.S. EPA classifies ACM as any material which contains more than 1% asbestos by Polarized Light Microscopy (PLM) analysis.

An ACM survey was not included in the scope of work for this assessment. Based on the construction materials (i.e. metal or wood) of the agricultural structures, ACMs are unlikely to be present.

# 7.2 Lead-Based Paint (LBP)

Use of lead in household paint was banned by the U.S. EPA effective January 1, 1978. The U.S. EPA and the U.S. Department of Housing and Urban Development (HUD) define lead-based paint (LBP) as any paint that contains 1.0 mg/cm<sup>2</sup> or higher of lead by x-ray fluorescence (XRF) analysis or 0.5% (5,000 ppm) lead by weight.

An LBP survey was not included in the scope of work for this assessment. Based on the construction materials (i.e. metal or wood) of the agricultural structures, LBP is unlikely to be present.

# 7.3 Undefined Emerging Contaminants

"Emerging contaminants" (ECs) are substances not currently defined as hazardous under CERCLA, that non-environmental professionals and others may assume to be "hazardous." ECs include biologically derived by-products such as methane and substances about which human understanding is evolving, such as per and polyfluoralkyl substances (PFAS).

No specific sources of biologically derived by-products or PFAS were identified from the site reconnaissance, a review of historical and radius data or from an interview with the property representative.

# 8.0 USER PROVIDED INFORMATION

In accordance with the ASTM E1527-21 and AAI standards, the user of this ESA, Enerfín Renewables, LLC & Copperhead Environmental Consulting, Inc. (the Client), may obtain information through other due diligence activities associated with the pending property transaction that could help identify the possibility of potential environmental conditions in connection with the subject property.

# 8.1 Environmental Liens or Activity and Use Limitations

The Client has reported no information regarding environmental liens or use limitations.

# 8.2 Common/Specialized Knowledge or Experience

The Client has reported no information regarding common/specialized knowledge or experience relative to the subject property.

# 8.3 Reasons for Significantly Lower Purchase Price

The Client has reported no information pertaining to the purchase price of the subject property.

#### 9.0 DATA GAPS

No data gaps as defined by ASTM E1527-21, (i.e., considered to have significantly affected the ability to identify recognized environmental conditions in connection with the subject property) were identified during completion of this assessment.

#### 10.0 FINDINGS AND OPINIONS

The following summarizes known or suspected RECs, HRECs, CRECs, *de minimis* conditions, and non-scope environmental conditions in connection with the subject property based on information collected during the assessment. For each condition, LFI provides an opinion of the impact on the site based on an evaluation of the results of record reviews, site reconnaissance work and interviews performed as part of this assessment. LFI also provides a rationale for concluding that an environmental condition is or is not a REC.

# **Recognized Environmental Conditions (REC)**

This assessment has revealed no evidence of RECs in connection with the subject property.

# **Historical Recognized Environmental Conditions (HREC)**

This assessment has revealed no evidence of HRECs in connection with the subject property.

# **Controlled Recognized Environmental Conditions (CREC)**

This assessment has revealed no evidence of CRECs in connection with the subject property.

#### **De Minimis Conditions**

No *de minimis* conditions were observed in connection with the subject property.

May 16, 2023 LFI Project No.: 036-23

# **Non-Scope Environmental Conditions**

No non-scope environmental conditions were identified in connection with the subject property.

# 11.0 CONCLUSIONS AND RECOMMENDATIONS

LFI has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-21 of the property located in Livingston County, Kentucky, the subject property. Any exceptions to, or deletions from, this practice were described in this report. This assessment has revealed no evidence of *recognized environmental conditions* in connection with the property.

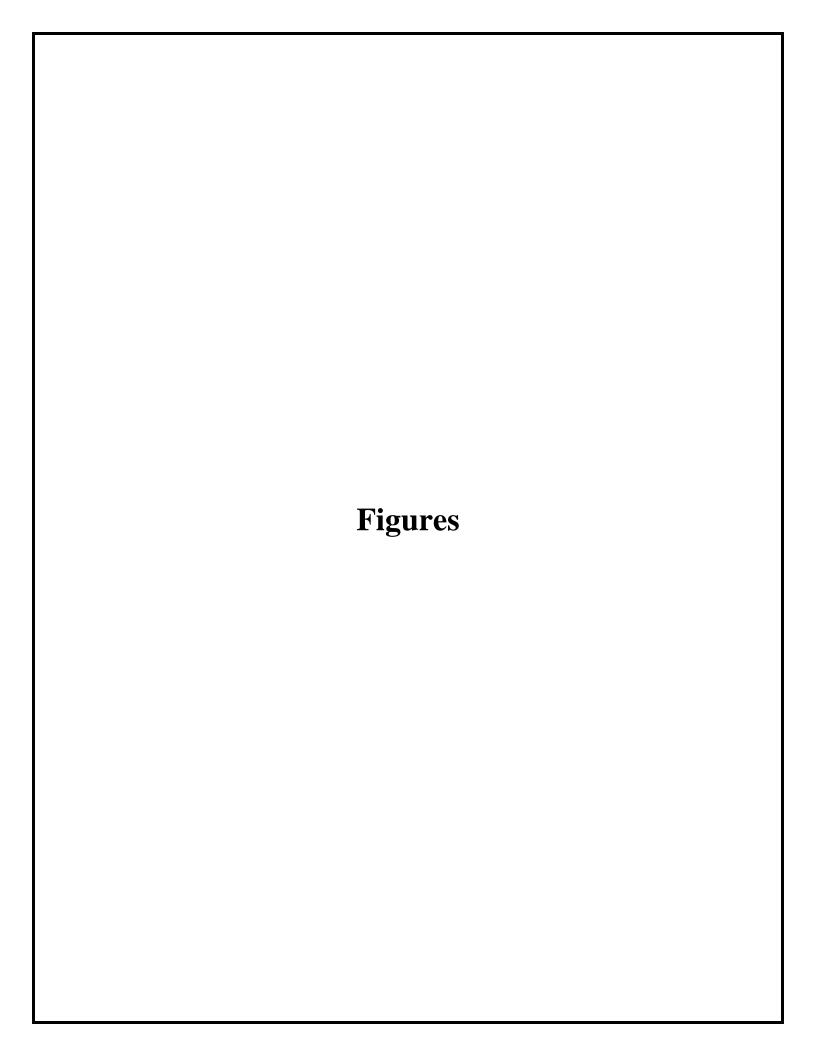
# 12.0 CERTIFICATION OF ENVIRONMENTAL PROFESSIONAL

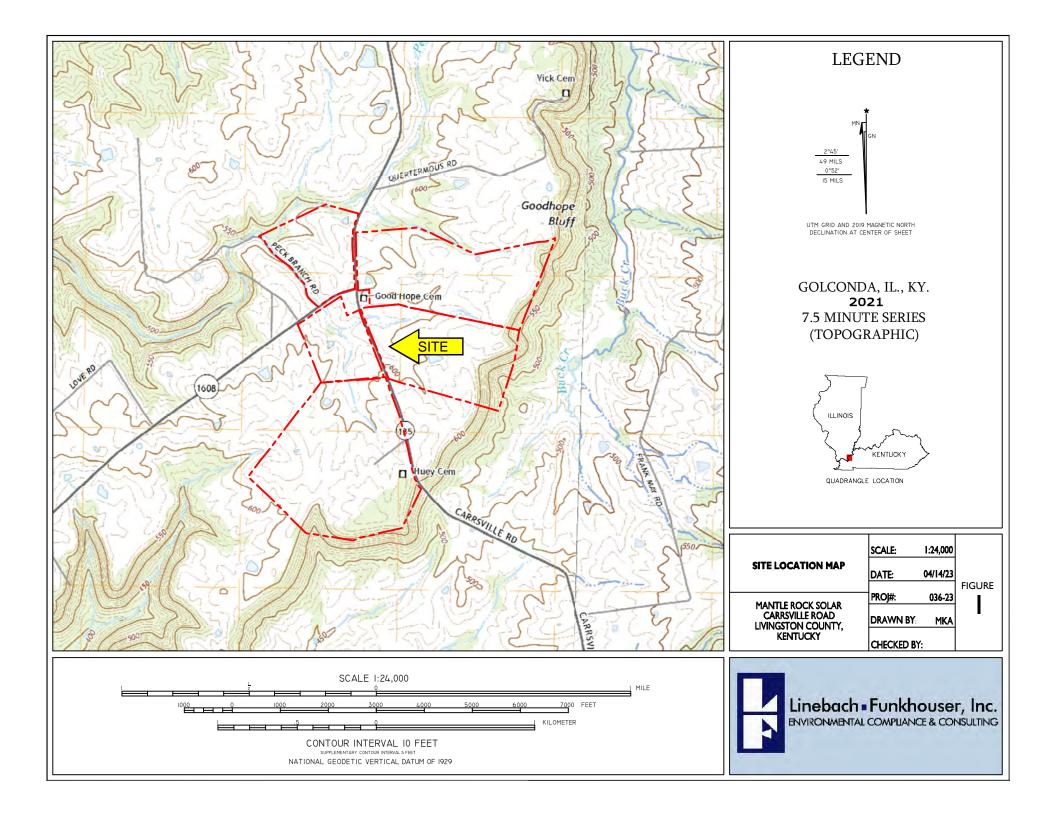
LFI has the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312. We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of this part.

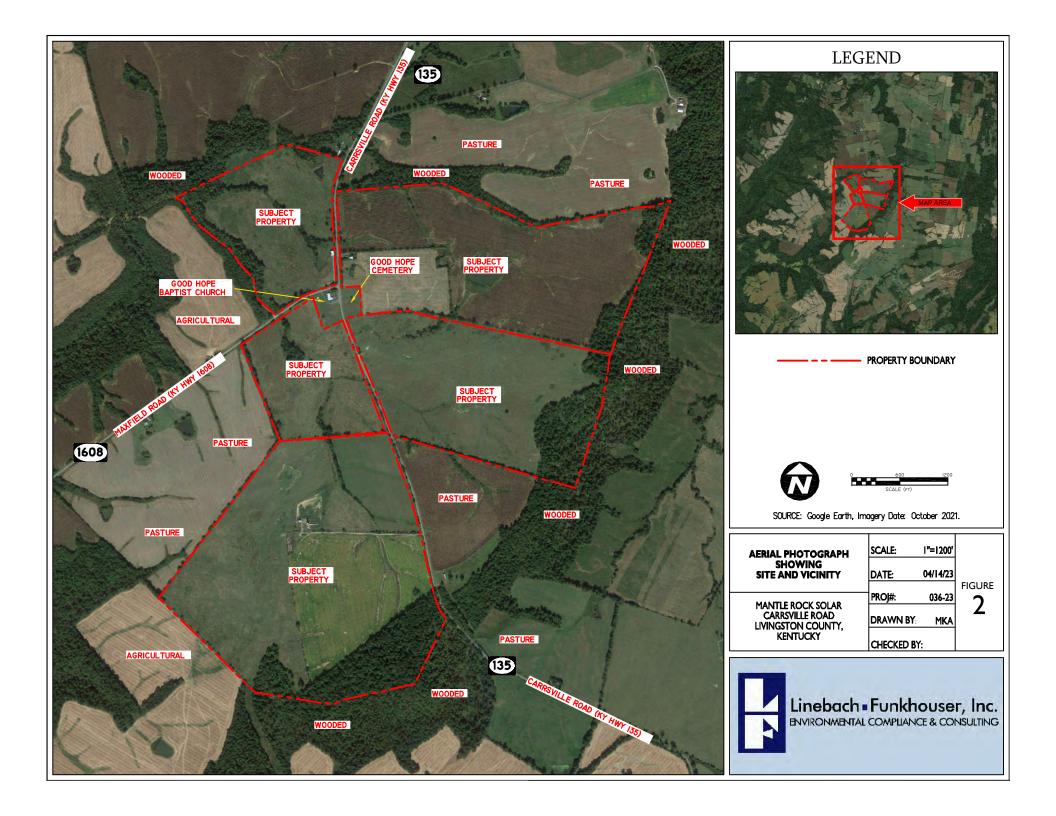
CLI) Chibal	May 16, 2023
Environmental Professional	Date

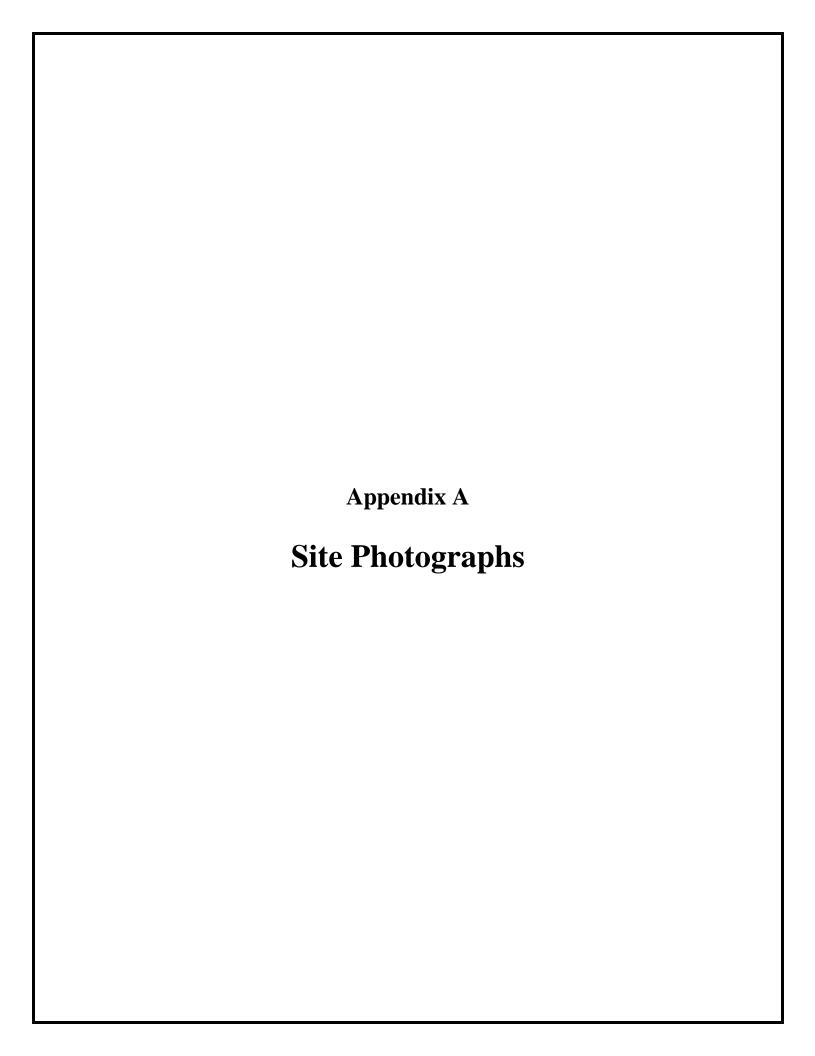
# 13.0 REFERENCES

- Environmental Data Resources, Inc. *The EDR Radius Map Report w/ GeoCheck Mantle Rock Solar, Carrsville Road Hampton, KY 42047. Inquiry Number: 7300963.2s.* April 6, 2023.
- Environmental Data Resources, Inc. *EDR Historical Topographic Map Report Mantle Rock Solar, Carrsville Road Hampton, KY 42047. Inquiry Number: 7300963.4.* April 6, 2023.
- Environmental Data Resources, Inc. *EDR Aerial Photo Decade Package Mantle Rock Solar, Carrsville Road Hampton, KY 42047. Inquiry Number: 7300963.8.* April 10, 2023.
- Environmental Data Resources, Inc. Certified Sanborn Map Report Mantle Rock Solar, Carrsville Road Hampton, KY 42047. Inquiry Number: 7300963.3. April 6, 2023.
- Environmental Data Resources, Inc. EDR City Directory Image Report Mantle Rock Solar, Carrsville Road Hampton, KY 42047. Inquiry Number: 7300963.5. April 8, 2023.











Client: Mantle Rock Solar Site Name:

Project Number: 036-23 Site Location: Livingston County, Kentucky

**Photo Number:** 

1

Photographer:

Jason Boston

Date:

May 13, 2023

Direction:

South

Comments:

View of the central portion of the site.



**Photo Number:** 

2

Photographer:

Jason Boston

Date:

May 13, 2023

Direction:

Northwest

Comments:

View of the church located within the property boundary.





Client: Mantle Rock Solar

Site Name:

**Project Number:** 036-23

Site Location: Livingston County, Kentucky

Photo Number:

3

Photographer:

Jason Boston

Date:

May 13, 2023

Direction:

East

Comments:

View of the adjoining cemetery.



**Photo Number:** 

4

Photographer:

Jason Boston

Date:

May 13, 2023

Direction:

East

Comments:

View of a barn located on the property.





Client: Mantle Rock Solar

Site Name:

**Project Number:** 036-23

Site Location: Livingston County, Kentucky

**Photo Number:** 

5

Photographer:

Jason Boston

Date:

May 13, 2023

Direction:

West

Comments:

View of a barn.



**Photo Number:** 

6

Photographer:

Jason Boston

Date:

May 13, 2023

Direction:

East

Comments:

View of the northern portion of the site.





Client: Mantle Rock Solar

Site Name:

**Project Number:** 036-23

Site Location: Livingston County, Kentucky

Photo Number:

7

Photographer:

Jason Boston

Date:

May 13, 2023

Direction:

Southwest

Comments:

View of the northwestern portion of the site.



**Photo Number:** 

8

Photographer:

Jason Boston

Date:

May 13, 2023

Direction:

West

Comments:

View of the northwest portion of the site.





Client: Mantle Rock Solar

Site Name:

**Project Number:** 036-23

Site Location: Livingston County, Kentucky

Photo Number:

9

Photographer:

Jason Boston

Date:

May 13, 2023

Direction:

East

Comments:

View of the east central portion of the site.



**Photo Number:** 

10

Photographer:

Jason Boston

Date:

May 13, 2023

Direction:

East

Comments:

View of the east central portion of the site.





Client: Mantle Rock Solar

Project Number: 036-23 Site Location: Livingston County, Kentucky

Site Name:

Photo Number:

11

Photographer:

Jason Boston

Date:

May 13, 2023

Direction:

Southwest

Comments:

View of the west central portion of the site.



**Photo Number:** 

12

Photographer:

Jason Boston

Date:

May 13, 2023

Direction:

North

Comments:

View of the southern portion of the site.





Client: Mantle Rock Solar Site Name:

Project Number: 036-23 Site Location: Livingston County, Kentucky

Photo Number:

13

Photographer:

Jason Boston

Date:

May 13, 2023

Direction:

South

Comments:

View of the water supply well located on the property.



**Photo Number:** 

14

Photographer:

Jason Boston

Date:

May 13, 2023

Direction:

West

Comments:

View of the southern portion of the property.





## **Photographic Record**

Client: Mantle Rock Solar

036-23

Site Name:

Project Number:

Site Location: Livingston County, Kentucky

Photo Number:

15

Photographer:

Jason Boston

Date:

May 13, 2023

Direction:

North

Comments:

View of the southern portion of the property.



**Photo Number:** 

16

Photographer:

Jason Boston

Date:

May 13, 2023

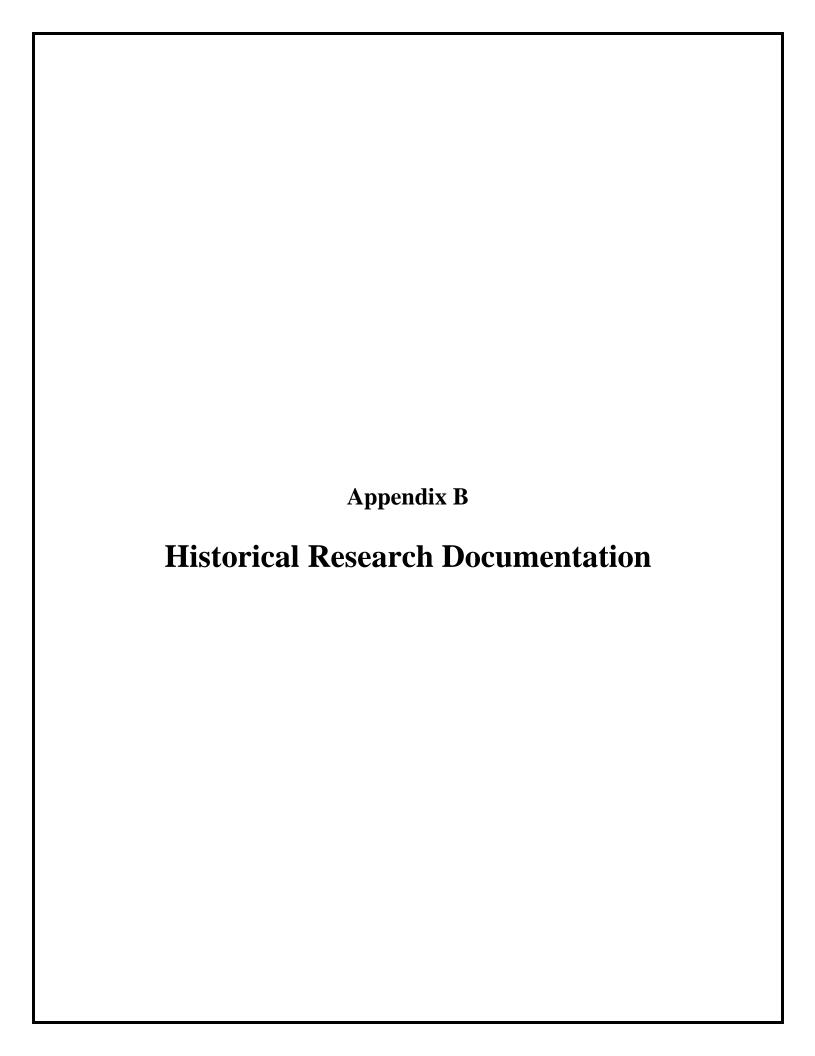
Direction:

East

Comments:

View of the southern portion of the property.





Mantle Rock Solar Carrsville Road Hampton, KY 42047

Inquiry Number: 7300963.4

April 06, 2023

# **EDR Historical Topo Map Report**

with QuadMatch™



## **EDR Historical Topo Map Report**

04/06/23

Site Name: Client Name:

Mantle Rock Solar Carrsville Road Hampton, KY 42047 EDR Inquiry # 7300963.4 Linebach Funkhouser Inc. 114 Fairfax Ave Louisville, KY 40207 Contact: Jason Boston



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

Search Results:		Coordinates:	
P.O.#	NA	Latitude:	37.314124 37° 18' 51" North
Project:	036-23	Longitude:	-88.389247 -88° 23' 21" West
-		UTM Zone:	Zone 16 North
		UTM X Meters:	376897.39
		UTM Y Meters:	4130624.88
		Elevation:	593.67' above sea level
Mane Provid	ded:		

#### Maps Provided:

2019, 2018 1921 2016, 2015 1920 2013, 2011 1916 1996 1973, 1976 1959 1954 1947

## Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, LLC. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. This Report is provided on an "AS IS", "AS AVAILABLE" basis. NO WARRANTY EXPRESS OR IMPLIED IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, LLC AND ITS SUBSIDIARIES, AFFILIATES AND THIRD PARTY SUPPLIERS DISCLAIM ALL WARRANTIES, OF ANY KIND OR NATURE, EXPRESS OR IMPLIED, ARISING OUT OF OR RELATED TO THIS REPORT OR ANY OF THE DATA AND INFORMATION PROVIDED IN THIS REPORT, INCLUDING WITHOUT LIMITATION, ANY WARRANTIES REGARDING ACCURACY, QUALITY, CORRECTNESS, COMPLETENESS, COMPREHENSIVENESS, SUITABILITY, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE, NON-INFRINGEMENT, MISAPPROPRIATION, OR OTHERWISE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, LLC OR ITS SUBSIDIARIES, AFFILIATES OR THIRD PARTY SUPPLIERS BE LIABLE TO ANYONE FOR ANY DIRECT, INCIDENTAL, INDIRECT, SPECIAL, CONSEQUENTIAL OR OTHER DAMAGES OF ANY TYPE OR KIND (INCLUDING BUT NOT LIMITED TO LOSS OF PROFITS, LOSS OF USE, OR LOSS OF DATA), ARISING OUT OF OR IN ANY WAY CONNECTED WITH THIS REPORT OR ANY OF THE DATA AND INFORMATION PROVIDED IN THIS REPORT. Any analyses, estimates, ratings, environmental risk levels, or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only an assessment performed by a qualified environmental professional can provide findings, opinions or conclusions regarding the environmental risk or conditions in, on or at any property

Copyright 2023 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, LLC or its affiliates. All other trademarks used herein are the property of their respective owners.

## Topo Sheet Key

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

## 2019, 2018 Source Sheets



Lola 2019 7.5-minute, 24000



Golconda 2018 7.5-minute, 24000

## 2016, 2015 Source Sheets



Lola 2016 7.5-minute, 24000



Golconda 2015 7.5-minute, 24000

## **2013, 2011 Source Sheets**



Lola 2013 7.5-minute, 24000



Golconda 2011 7.5-minute, 24000

#### 1996 Source Sheets



Golconda 1996 7.5-minute, 24000 Aerial Photo Revised 1993

## Topo Sheet Key

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

## 1973, 1976 Source Sheets



Lola 1973 7.5-minute, 24000 Aerial Photo Revised 1952



Golconda 1976 7.5-minute, 24000 Aerial Photo Revised 1976

## 1959 Source Sheets



Golconda 1959 15-minute, 62500 Aerial Photo Revised 1957

## 1954 Source Sheets



Lola 1954 7.5-minute, 24000 Aerial Photo Revised 1952



Golconda 1954 7.5-minute, 24000 Aerial Photo Revised 1952

#### 1947 Source Sheets



Golconda 1947 15-minute, 62500

## Topo Sheet Key

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

## 1921 Source Sheets



Golconda 1921 15-minute, 62500

## 1920 Source Sheets

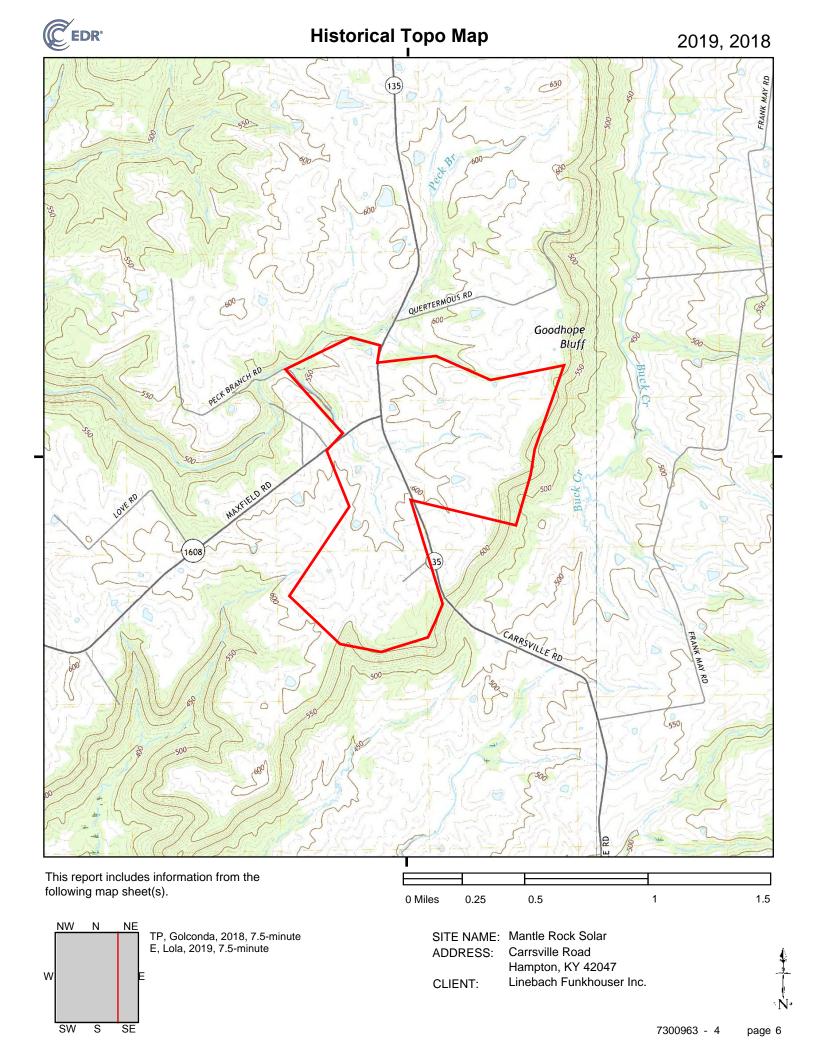


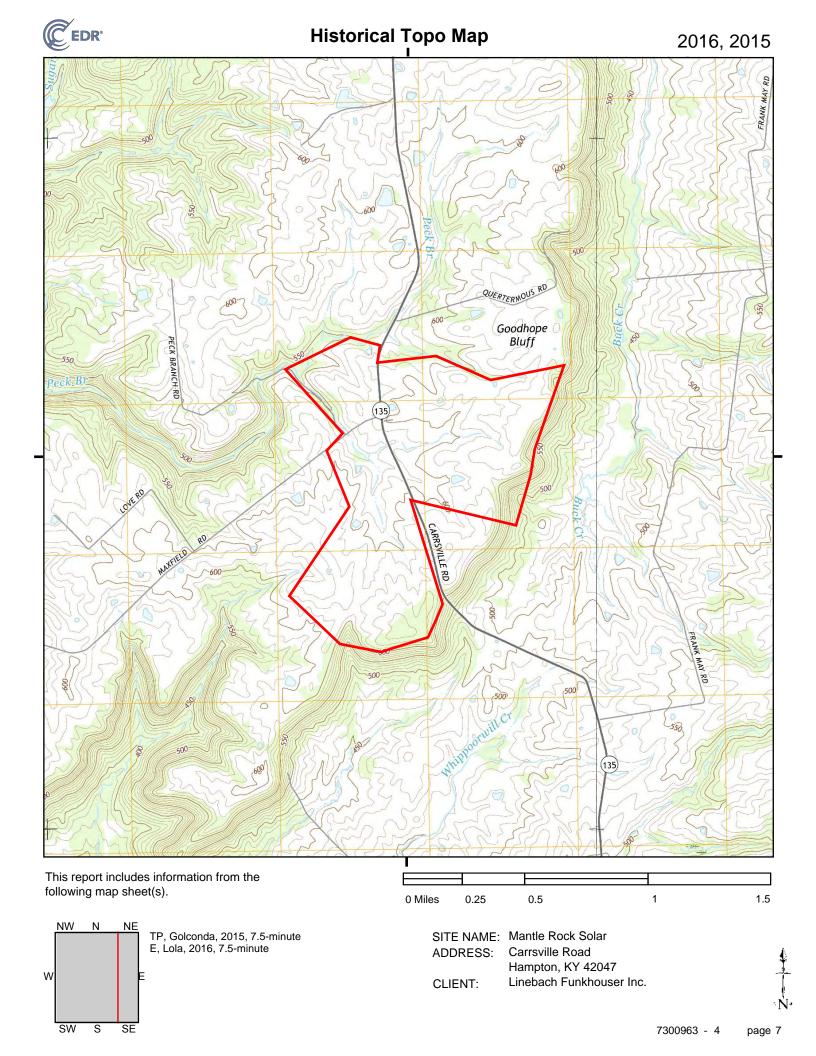
Goloonda 1920 15-minute, 48000

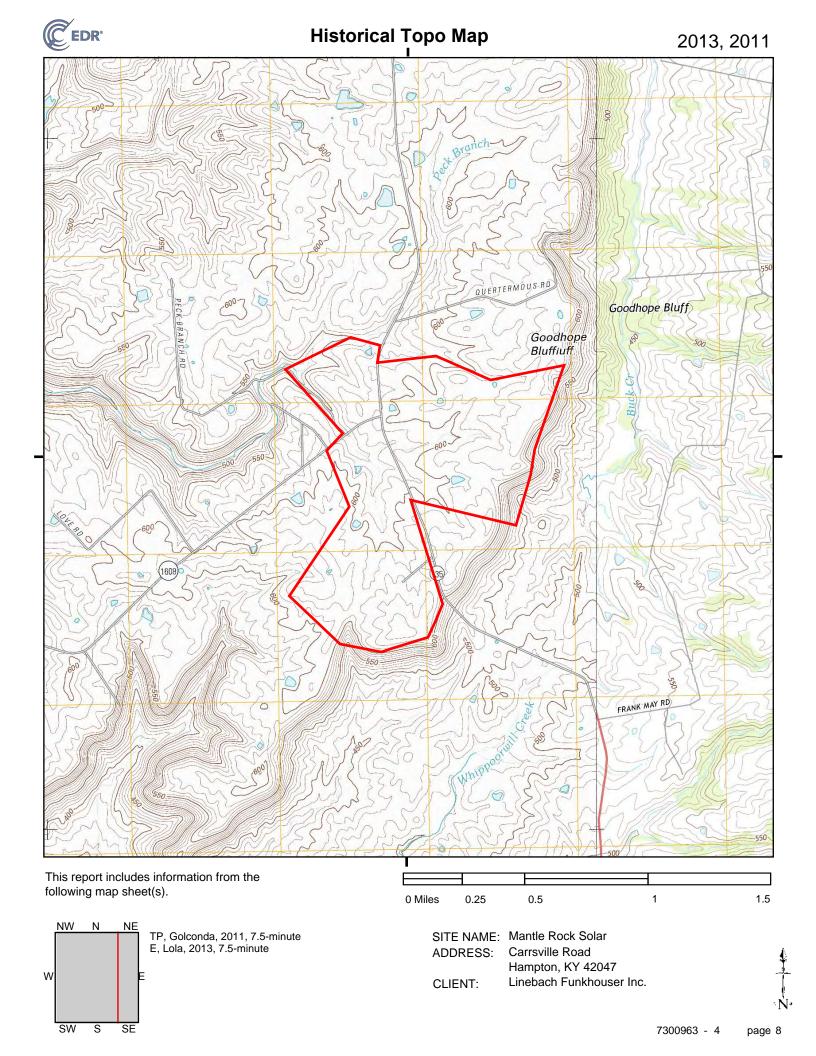
## 1916 Source Sheets

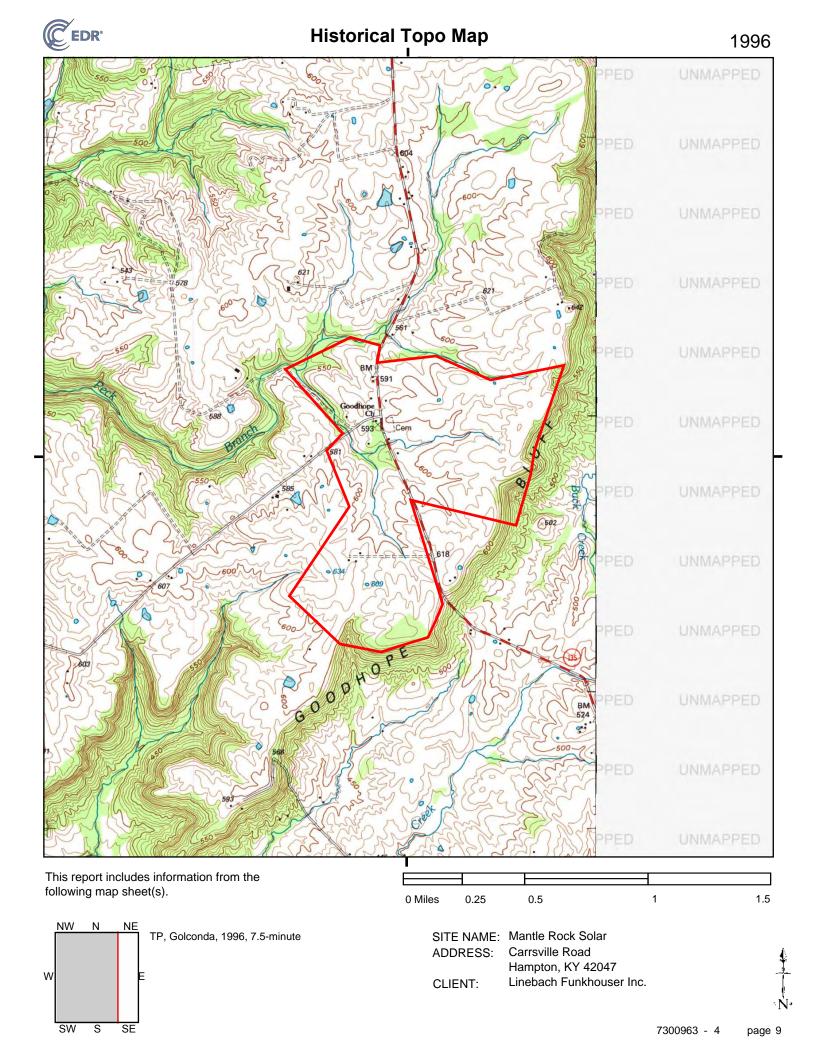


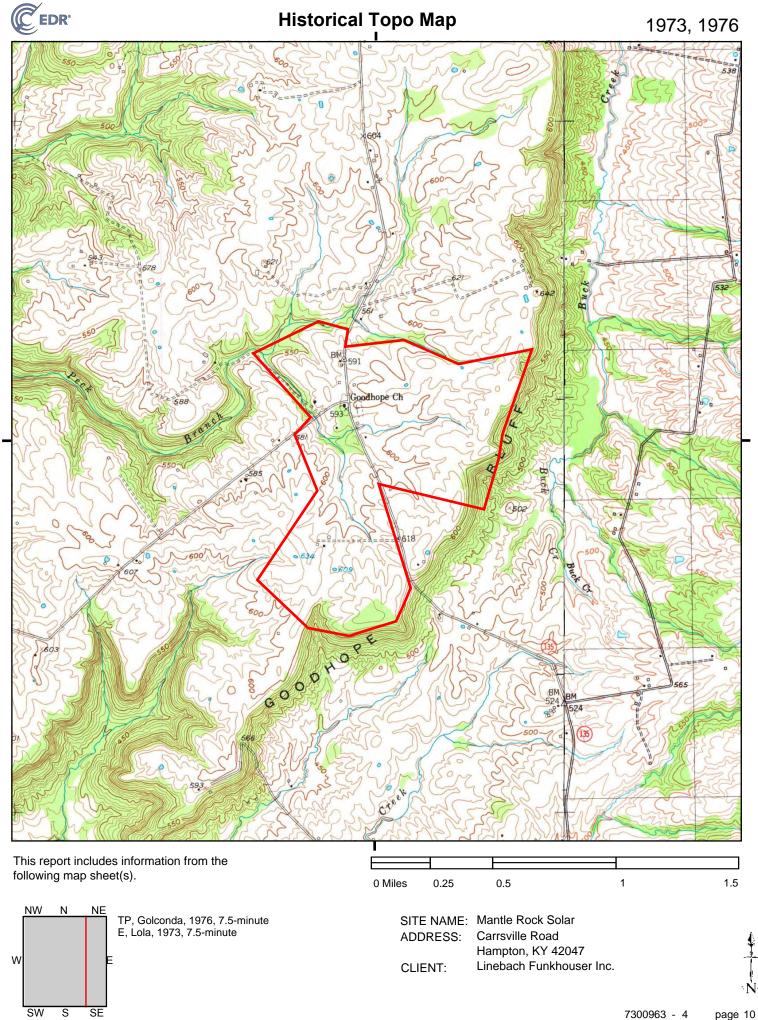
Golconda 1916 15-minute, 62500

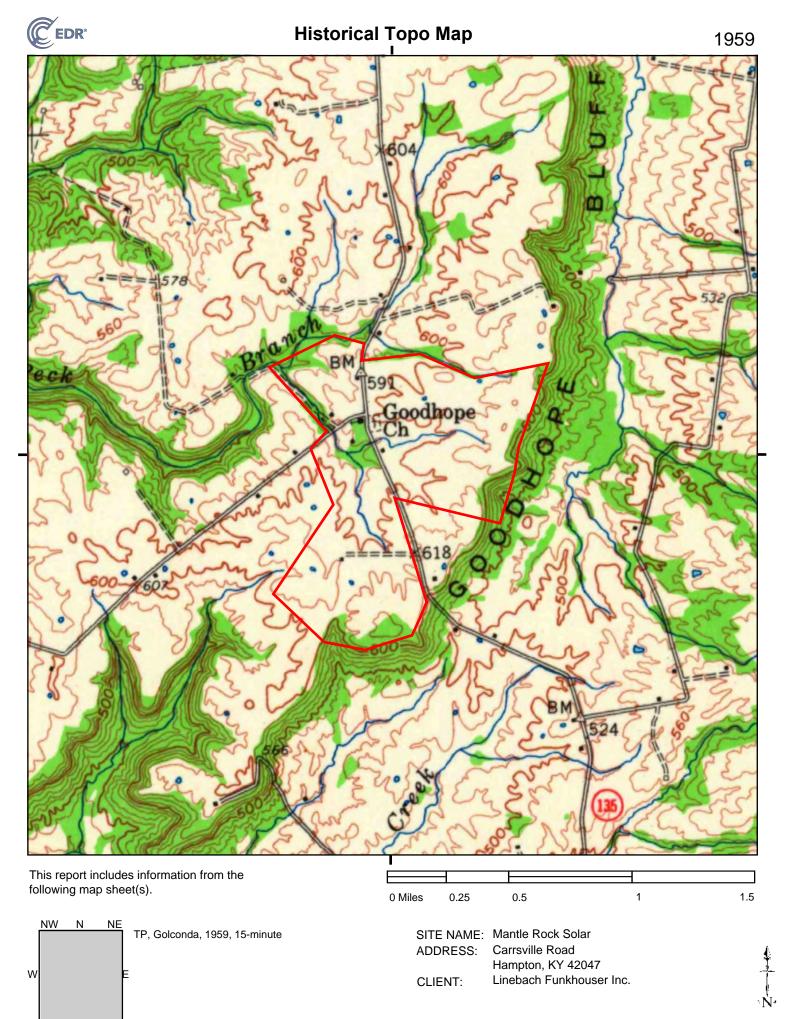


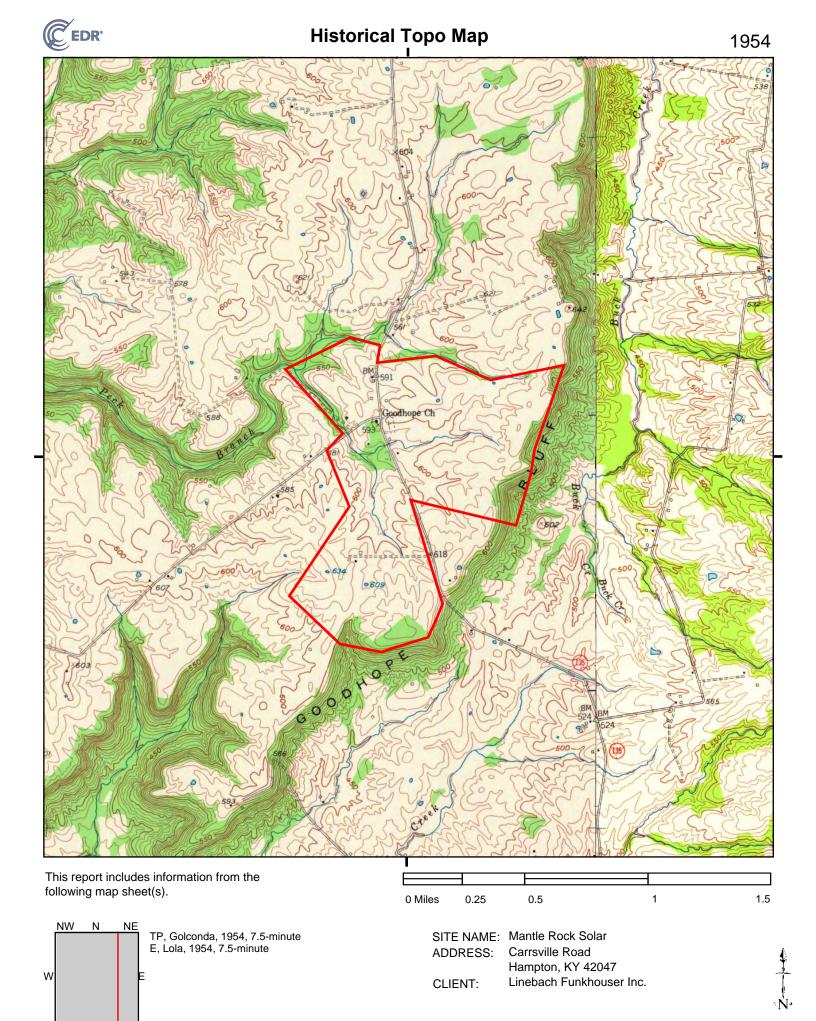


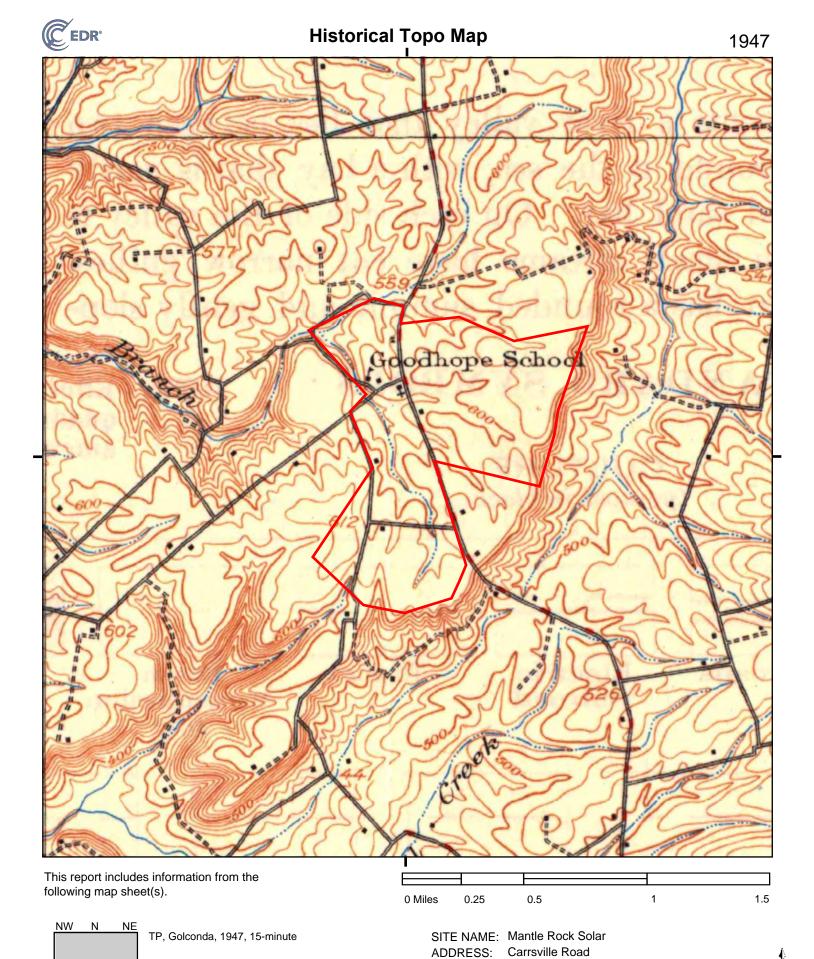












Hampton, KY 42047
CLIENT: Linebach Funkhouser Inc.

7300963 - 4 pa

NW N NE TP, Golconda, 1921, 15-minute
W

This report includes information from the

following map sheet(s).

0 Miles 0.25 0.5 1 1.5

SITE NAME: Mantle Rock Solar ADDRESS: Carrsville Road Hampton, KY 42047

CLIENT: Linebach Funkhouser Inc.



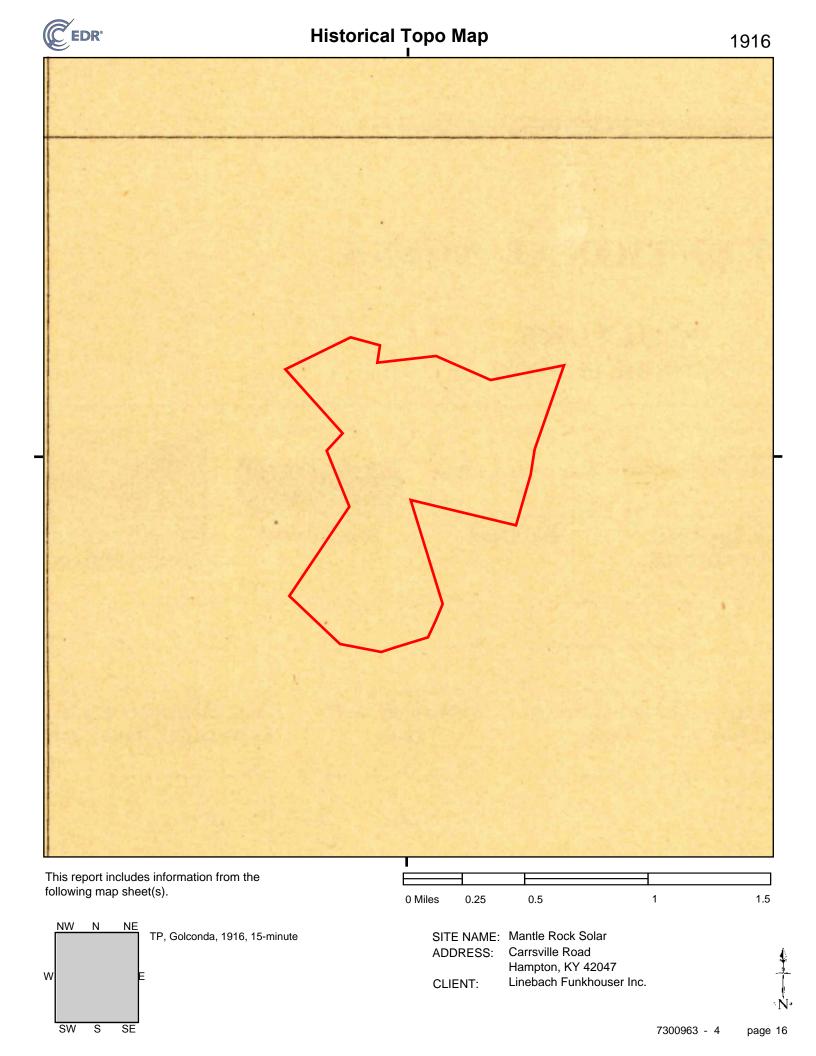
TP, Goloonda, 1920, 15-minute

SITE NAME: Mantle Rock Solar ADDRESS: Carrsville Road

Carrsville Road Hampton, KY 42047

CLIENT: Linebach Funkhouser Inc.





## **Mantle Rock Solar**

Carrsville Road Hampton, KY 42047

Inquiry Number: 7300963.8

April 10, 2023

## The EDR Aerial Photo Decade Package



## **EDR Aerial Photo Decade Package**

04/10/23

Site Name: Client Name:

Mantle Rock Solar

Carrsville Road

Hampton, KY 42047

EDR Inquiry # 7300963.8

Linebach Funkhouser Inc.

114 Fairfax Ave

Louisville, KY 40207

Contact: Jason Boston



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

#### Search Results:

Year	Scale	Details	Source
2020	1"=1000'	Flight Year: 2020	USDA/NAIP
2016	1"=1000'	Flight Year: 2016	USDA/NAIP
2012	1"=1000'	Flight Year: 2012	USDA/NAIP
2008	1"=1000'	Flight Year: 2008	USDA/NAIP
1993	1"=1000'	Acquisition Date: March 29, 1993	USGS/DOQQ
1983	1"=1000'	Flight Date: January 21, 1983	USGS
1952	1"=1000'	Flight Date: February 26, 1952	USGS

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

#### **Disclaimer - Copyright and Trademark Notice**

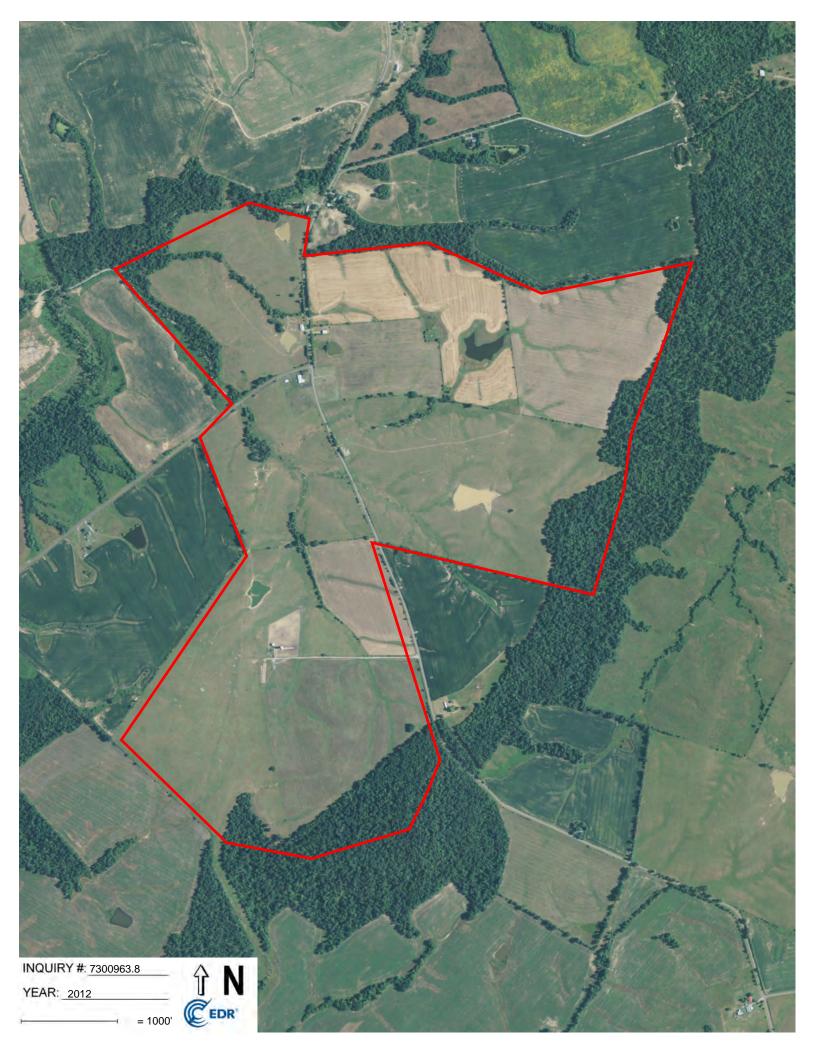
This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, LLC. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. This Report is provided on an "AS IS", "AS AVAILABLE" basis. NO WARRANTY EXPRESS OR IMPLIED IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, LLC AND ITS SUBSIDIARIES, AFFILIATES AND THIRD PARTY SUPPLIERS DISCLAIM ALL WARRANTIES, OF ANY KIND OR NATURE, EXPRESS OR IMPLIED, ARISING OUT OF OR RELATED TO THIS REPORT OR ANY OF THE DATA AND INFORMATION PROVIDED IN THIS REPORT, INCLUDING WITHOUT LIMITATION, ANY WARRANTIES REGARDING ACCURACY, QUALITY, CORRECTNESS, COMPLETENESS, COMPREHENSIVENESS, SUITABILITY, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE, NON-INFRINGEMENT, MISAPPROPRIATION, OR OTHERWISE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, LLC OR ITS SUBSIDIARIES, AFFILIATES OR THIRD PARTY SUPPLIERS BE LIABLE TO ANYONE FOR ANY DIRECT, INCIDENTAL, INDIRECT, SPECIAL, CONSEQUENTIAL OR OTHER DAMAGES OF ANY TYPE OR KIND (INCLUDING BUT NOT LIMITED TO LOSS OF PROFITS, LOSS OF USE, OR LOSS OF DATA), ARISING OUT OF OR IN ANY WAY CONNECTED WITH THIS REPORT OR ANY OF THE DATA AND INFORMATION PROVIDED IN THIS REPORT. Any analyses, estimates, ratings, environmental risk levels, or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only an assessment performed by a qualified environmental professional can provide findings, opinions or conclusions regarding the environmental risk or conditions in, on or at any property.

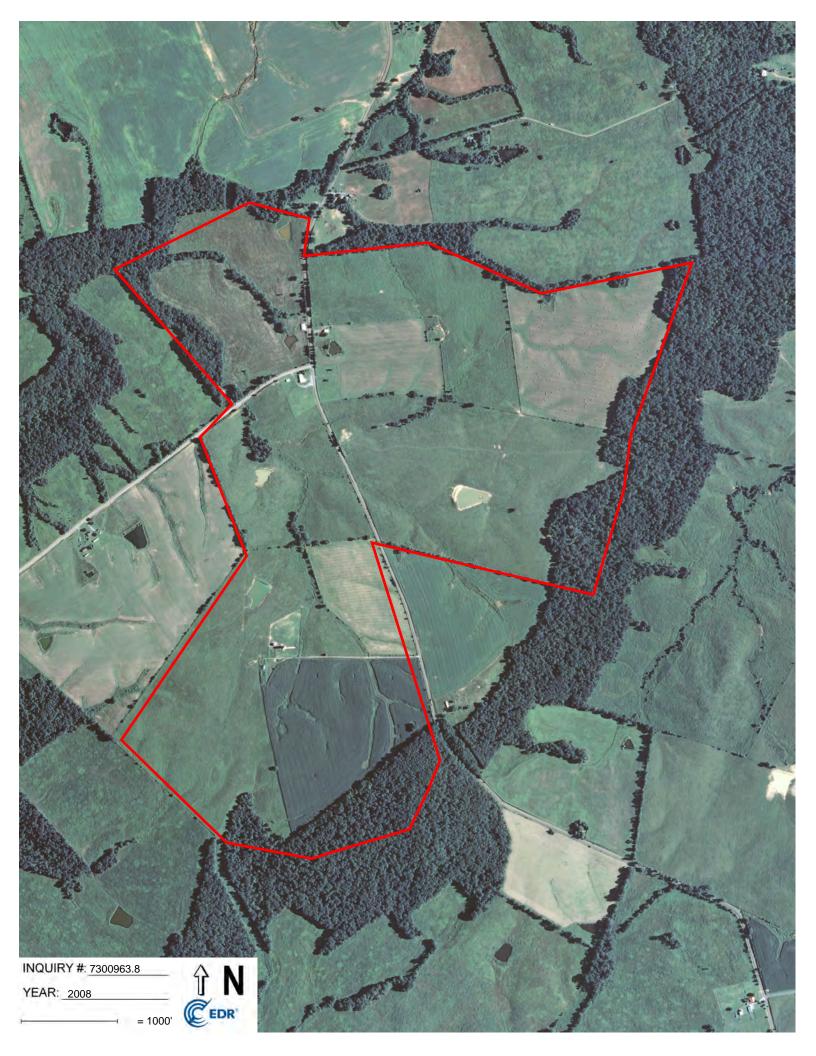
Copyright 2023 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

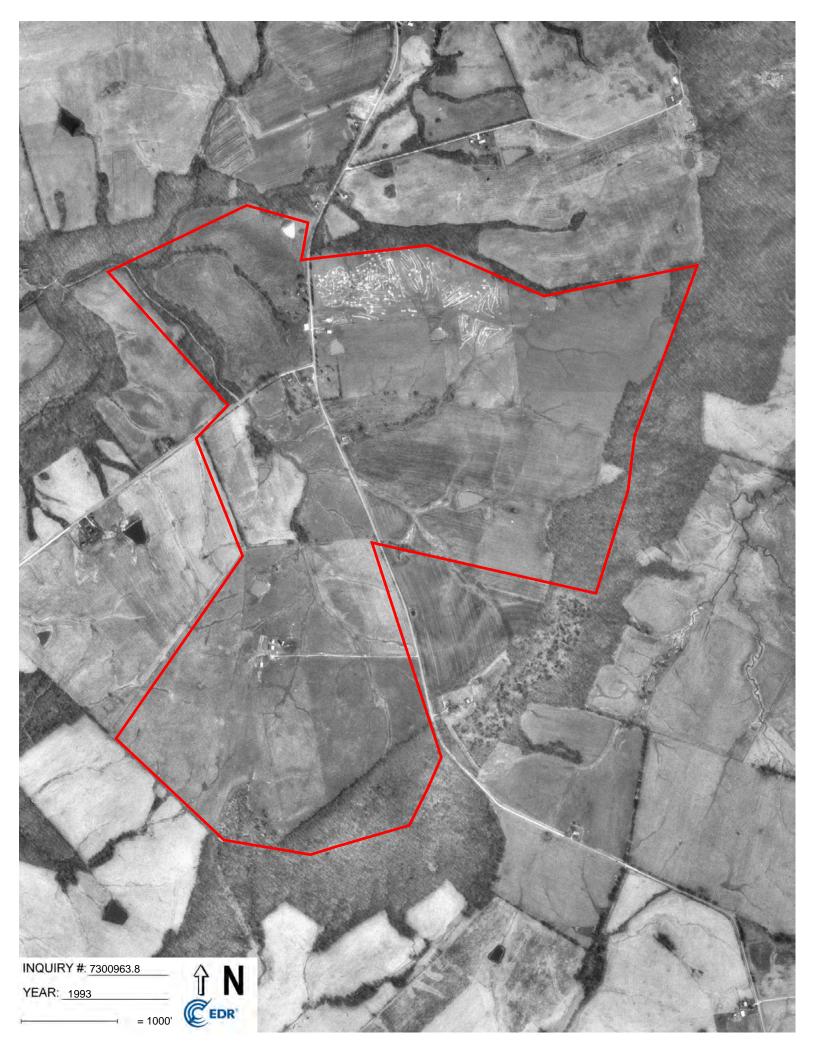
EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, LLC or its affiliates. All other trademarks used herein are the property of their respective owners.















Mantle Rock Solar Carrsville Road Hampton, KY 42047

Inquiry Number: 7300963.3

April 06, 2023

## **Certified Sanborn® Map Report**



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

## **Certified Sanborn® Map Report**

04/06/23

Site Name: Client Name:

Mantle Rock Solar

Carrsville Road

Hampton, KY 42047

EDR Inquiry # 7300963.3

Linebach Funkhouser Inc.

114 Fairfax Ave

Louisville, KY 40207

Contact: Jason Boston



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Linebach Funkhouser Inc. were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

#### Certified Sanborn Results:

Certification # AA70-41EF-8F11

PO# NA

Project 036-23

#### **UNMAPPED PROPERTY**

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



Sanborn® Library search results

Certification #: AA70-41EF-8F11

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

✓ Library of Congress

University Publications of America

EDR Private Collection

The Sanborn Library LLC Since 1866™

#### **Limited Permission To Make Copies**

Linebach Funkhouser Inc. (the client) is permitted to make up to FIVE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

#### **Disclaimer - Copyright and Trademark Notice**

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, LLC. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. This Report is provided on an "AS IS", "AS AVAILABLE" basis. NO WARRANTY EXPRESS OR IMPLIED IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, LLC AND ITS SUBSIDIARIES, AFFILIATES AND THIRD PARTY SUPPLIERS DISCLAIM ALL WARRANTIES, OF ANY KIND OR NATURE, EXPRESS OR IMPLIED, ARISING OUT OF OR RELATED TO THIS REPORT OR ANY OF THE DATA AND INFORMATION PROVIDED IN THIS REPORT, INCLUDING WITHOUT LIMITATION, ANY WARRANTIES REGARDING ACCURACY, QUALITY, CORRECTNESS, COMPLETENESS, COMPREHENSIVENESS, SUITABILITY, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE, NON-INFRINGEMENT, MISAPPROPRIATION, OR OTHERWISE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, LLC OR ITS SUBSIDIARIES, AFFILIATES OR THIRD PARTY SUPPLIERS BE LIABLE TO ANYONE FOR ANY DIRECT, INCIDENTAL, INDIRECT, SPECIAL, CONSEQUENTIAL OR OTHER DAMAGES OF ANY TYPE OR KIND (INCLUDING BUT NOT LIMITED TO LOSS OF PROFITS, LOSS OF USE, OR LOSS OF DATA), ARISING OUT OF OR IN ANY WAY CONNECTED WITH THIS REPORT OR ANY OF THE DATA AND INFORMATION PROVIDED IN THIS REPORT. Any analyses, estimates, ratings, environmental risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only an assessment performed by a qualified environmental professional can provide findings, opinions or conclusions regarding the environmental risk or conditions in, on or at any property.

Copyright 2023 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, LLC or its affiliates. All other trademarks used herein are the property of their respective owners.

page 2

**Mantle Rock Solar** 

Carrsville Road Hampton, KY 42047

Inquiry Number: 7300963.5

April 08, 2023

## **The EDR-City Directory Image Report**



#### **TABLE OF CONTENTS**

## **SECTION**

**Executive Summary** 

**Findings** 

**City Directory Images** 

Thank you for your business.

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

#### Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, LLC. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. This Report is provided on an "AS IS", "AS AVAILABLE" basis. NO WARRANTY EXPRESS OR IMPLIED IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, LLC AND ITS SUBSIDIARIES, AFFILIATES AND THIRD PARTY SUPPLIERS DISCLAIM ALL WARRANTIES, OF ANY KIND OR NATURE, EXPRESS OR IMPLIED, ARISING OUT OF OR RELATED TO THIS REPORT OR ANY OF THE DATA AND INFORMATION PROVIDED IN THIS REPORT, INCLUDING WITHOUT LIMITATION, ANY WARRANTIES REGARDING ACCURACY, QUALITY, CORRECTNESS, COMPLETENESS, COMPREHENSIVENESS, SUITABILITY, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE, NON-INFRINGEMENT, MISAPPROPRIATION, OR OTHERWISE ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, LLC OR ITS SUBSIDIARIES. AFFILIATES OR THIRD PARTY SUPPLIERS BE LIABLE TO ANYONE FOR ANY DIRECT. INCIDENTAL. INDIRECT. SPECIAL. CONSEQUENTIAL OR OTHER DAMAGES OF ANY TYPE OR KIND (INCLUDING BUT NOT LIMITED TO LOSS OF PROFITS, LOSS OF USE, OR LOSS OF DATA), ARISING OUT OF OR IN ANY WAY CONNECTED WITH THIS REPORT OR ANY OF THE DATA AND INFORMATION PROVIDED IN THIS REPORT. Any analyses, estimates, ratings, environmental risk levels, or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only an assessment performed by a qualified environmental professional can provide findings, opinions or conclusions regarding the environmental risk or conditions in, on or at any property.

Copyright 2023 by Environmental Data Resources, LLC. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, LLC, or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, LLC or its affiliates. All other trademarks used herein are the property of their respective owners.

## **EXECUTIVE SUMMARY**

#### **DESCRIPTION**

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

#### **RECORD SOURCES**

The EDR City Directory Report accesses a variety of business directory sources, including Haines, InfoUSA, Polk, Cole, Bresser, and Stewart. Listings marked as EDR Digital Archive access Cole and InfoUSA records. The various directory sources enhance and complement each other to provide a more thorough and accurate report.

EDR is licensed to reproduce certain City Directory works by the copyright holders of those works. The purchaser of this EDR City Directory Report may include it in report(s) delivered to a customer.

#### **RESEARCH SUMMARY**

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

<u>Year</u>	Target Street	Cross Street	<u>Source</u>
2020	$\overline{\checkmark}$		<b>EDR Digital Archive</b>
2017	$\overline{\checkmark}$	$\square$	Cole Information
2014	$\overline{\checkmark}$	$\square$	Cole Information
2010	$\overline{\checkmark}$		Cole Information
2005	$\overline{\checkmark}$	$\square$	Cole Information
2000	$\overline{\checkmark}$	$\square$	Cole Information
1995		$\square$	Cole Information
1992			Cole Information

## **FINDINGS**

## TARGET PROPERTY STREET

Carrsville Road Hampton, KY 42047

<u>Year</u>	<u>CD Image</u>	<u>Source</u>	
CARRSVIL	LE RD		
2020	pg A1	EDR Digital Archive	
2017	pg A4	Cole Information	
2014	pg A6	Cole Information	
2010	pg A8	Cole Information	
2005	pg A10	Cole Information	
2000	pg A12	Cole Information	
1995	pg A14	Cole Information	
1992	-	Cole Information	Target and Adjoining not listed in Source

7300963-5 Page 2

## **FINDINGS**

## **CROSS STREETS**

<u>Year</u>	<u>CD Image</u>	<u>Source</u>	
MAXFIELD	RD		
2020	pg. A2	EDR Digital Archive	
2017	pg. A5	Cole Information	
2014	pg.A7	Cole Information	
2010	pg. A9	Cole Information	
2005	pg.A11	Cole Information	
2000	pg. A13	Cole Information	
1995	pg. A15	Cole Information	
1992	-	Cole Information	Target and Adjoining not listed in Source

7300963-5 Page 3



Target Street Cross Street Source

→ EDR Digital Archive

## CARRSVILLE RD 2020

928	ALEXIS HOLLIDAY
	COLLIN BIRK
932	GLORIA RIGAZZI
	MICHAEL BIRK
944	BILL CHRISTIANSON
	JANICE CHRISTIANSON
965	CHRISTOPHER LASHER
	LEGACY MARINE LLC
	SHERRY LASHER
967	NORTH LIVINGSTON BAPTIST CHR
982	MACKENZIE HARDIN
1004	DANIEL TOPPER
	VALERIE GINN
1056	COOKIE BROWN
1236	ANGELA RAMSEY
	GARNET MAZE
	HAROLD MAZE
	OLLIE NOEL
1241	ROBIN QUERTERMOUS
	TOMMY QUERTERMOUS
1275	ARVIE GREER
	CAROLYN GREER
	MIKE GREER
1294	STANTHA BROWN
1331	JOSEPH WOOD
1334	DAVID ROBERTS
1356	ALEXANDRIA JONES
	CHARLES WHEELER
	CHRISTINE WHEELER
1403	COOKIE BROWN
	EMILY BROWN
	TONY BROWN
	WILLIAM BROWN

# Target Street Cross Street Source - Source EDR Digital Archive

7			
	'11	BRENDA RAMAGE	
	'21	MARYANN BURKEEN	
1	'28	DUNKERSON PAVING	
		KACEY DUNKERSO	
		LENA DUNKERSON	
		RICKY DUNKERSON	
7	'0E	VICKIE DUNKERSON EVA SCHAER	
,	'35	EVA SINGLETON	
		JEAN SCHAER	
7	'36	LENA DUNKERSON	
	'42	BARRY DUNKERSON	
,	42	TINA DUNKERSON	
7	'81	MARY REYNOLDS	
	800	COREY DUNKERSON	
	315	ASHLEY BURCHARD	
U	713	EVANGELINE PEOPLES	
		PAUL PEOPLES	
g	07	KYLE CUMMINS	
J	.01	PENNY CUMMINS	
9	12	CYNTHIA MUNCHER	
·	-	GINA COSBY	
9	)44	JORDAN DAVIS	
		RONALD DAVIS	
9	62	JEFFREY SHAW	
9	64	DAVID CROWE	
		DONNA CROWE	
		MISHEL CROWE	
9	86	CHARLES MORPHEW	
		DUSTIN MORPHEW	
		LINDA MORPHEW	
		SHANE MORPHEW	
		TONY MORPHEW	
9	94	VANESSA BORGSTROM	
		VERLA MORPHEW	
9	98	CHRISTOPHER KOHLER	
		GREG KOHLER	
		VANESSA MORPHEW	
1	144	BENNETT LAWLESS	
	450	BRIDGETT LAWLESS	
	159	HELEN RAY	
	180	ROWENA MILLER	
1	240	DORIS COSBY	
4	244	STANLEY COSBY	
1	241	AMY GOHEEN MICHAEL SCHOTT	
		RUSSELL GOHEEN	
4	262	LON STRADER	
ı	202	LORI STRADER	
		MC MURRAY CEMETERY INC	
		WO WICKLAN OLIVILIEN INO	
			1

Target Street Cross Street Source

- ✓ EDR Digital Archive

MAXFIELD RD 2020 (Cont'd)

1262	THOMAS STRADER
1264	TENA BROWNING
1266	RUSSELL BROWNING
1272	TERRY ELLIS
1287	GREGORY LAWLESS
	JESSE MAXFIELD
	MARITA LAWLESS
	SHERRI ALLEN
	TIMOTHY MAXFIELD
1298	CLARENCE MAXFIELD
	MICHAEL MAXFIELD
1299	<b>ELPERS STONEWORKS</b>
	FRANCIS MOODIE
	TERRI MOODIE
1464	DWANE YOUNG
	MARY YOUNG
1587	BERNICE GRAMMER
1591	SHARON ARFLACK
	SHARON HURLEY
1630	CINDY HURLEY
1637	ANTHONY ARNOLD
1687	STEVE LOVE

Target Street Cross Street Source

✓ - Cole Information

# CARRSVILLE RD 2017

932	BIRK, MICHAEL J
944	CHRISTIANSON, BILL R
964	WILLIAMS, WAYNE
965	LASHER, CHRIS K
967	NORTH LIVINGSTON BAPTIST CHURCH
982	HARDIN, MARLEY
1004	TOPPER, DANIEL K
1056	BROWN, WILL A
1105	BURCHARD, STEVE A
1236	MAZE, HAROLD E
1241	STALION, PAUL R
1275	GREER, ARVIE M
1294	BROWN, STAN W
1331	BARTLEY, LINDA M
1334	ROBERTS, DAVID S
1356	CHITTENDEN, SABRINA L
1403	BROWN, DAVID D

Target Street Cross Street Source
- Cole Information

704	DAMAGE BANDELLI
721	RAMAGE, RANDELL L
728	DUNKERSON PAVING
	DUNKERSON, RICK D
735	SCHAER, JEAN
736	DUNKERSON, LENA W
742	DUNKERSON, BARRY
781	REYNOLDS, MARY I
800	DUNKERSON, COREY S
815	BURCHARD, DWAYNE C
907	CUMMINS, PENNY R
912	MUNCHER, JASON G
944	KNOTTS, CHARLES L
962	SHAW, JEFFREY T
964	CROWE, DAVID C
986	MORPHEW, SHANE
998	MORPHEW, VANESSA
1041	WILSON, ROBERT
1144	LAWLESS, DANIEL R
1159	RAY, DAVID G
1180	MILLER, TOMMY L
1240	COSBY, STANLEY A
1241	GANDEE, DOLAS R
1262	STRADER, LON
1264	BROWNING, RUSSELL L
1272	BERRY, CRYSTAL
1287	ALLEN, SHERRI L
1299	<b>ELPERS STONEWORKS</b>
	MOODIE, BO
1464	YOUNG, DWANE G
1535	HARNS, WAYNE
1591	ARFLACK, SHARON M
1637	EVANS, PERRY P
1687	LOVE, STEVE
	, = -

Target Street Cross Street Source

✓ - Cole Information

# CARRSVILLE RD 2014

	CARROVILLE RD 2014
911	RAMAGE, PHYLISS M
932	LADD, CHANDRA
935	MAZE, HAROLD E
937	FELTY, CONNIE
944	CHRISTIANSON, BILL R
961	OCCUPANT UNKNOWN,
964	WILLIAMS, WAYNE
965	LASHER, CHRIS K
967	CUMMINS, KEN
	NORTH LIVINGSTON BAPTIST CHURCH
968	BERG, LYLE
970	OCCUPANT UNKNOWN,
982	HARDIN, MARLEY
1004	OCCUPANT UNKNOWN,
1056	BROWN, WILL A
1105	BURCHARD, DALLAS
1236	OCCUPANT UNKNOWN,
1241	QUERTERMOUS, TOM A
1275	GREER, ARVIE M
1294	BROWN, TONY W
1331	WOOD, JOSEPH L
1334	ROBERTS, DAVID S
1338	JACKSON, MARY
1356	JONES, BRYAN L
1403	BROWN, DAVID D

Target Street Cross Street Source
- Cole Information

708	DUFF, AMBERBER
721	RAMAGE, RANDELL L
728	DUNKERSON PAVING
	DUNKERSON, RICK D
735	SINGLETON, EVA
736	DUNKERSON, LENA W
742	DUNKERSON PAVING
	DUNKERSON, BARRY L
781	REYNOLDS, MICHAEL R
800	DUNKERSON, SARAH N
815	BEST, VICKIE S
907	HANEY, NATHAN F
912	MUNCHER, JASON G
944	KNOTTS, CHARLES L
964	CROWE, DAVID C
986	MORPHEW, SHANE
994	MORPHEW, CHARLIE A
998	OCCUPANT UNKNOWN,
1041	WILSON, ROBERT
1076	ORNDUFF, W A
1144	LAWLESS, DANIEL R
1159	RAY, HELEN M
1180	MILLER, TOMMY L
1221	RAY, DAVID G
1240	COSBY, STANLEY A
1241	GANDEE, DOLAS R
1262	STRADER, LON
1264	BROWNING, TENA
1266	BROWNING, RUSSELL L
1272	ELLIS, TERRY L
1287	MAXFIELD, TIMOTHY E
1298	MAXFIELD, CLARENCE E
1299	ELPERS STONEWORKS
	MOODIE, BO
1464	YOUNG, DWANE G
1535	HARNS, WAYNE
1538	JACKSON, LUCILLE
1591	OCCUPANT UNKNOWN,
1630	HURLEY, CINDY M
1637	EVANS, PERRY P
1687	LOVE, STEVE

<u>Target Street</u> <u>Cross Street</u> <u>Source</u>

✓ - Cole Information

# CARRSVILLE RD 2010

911	RAMAGE, PHYLISS M
944	CHRISTIANSON, BILL
964	WILLIAMS, WAYNE
965	LASHER, CHRIS K
968	BERG, LYLE W
970	HARDIN, KENNETH T
982	HARDIN, KENNY M
1004	TOPPER, DANIEL K
1056	BROWN, WILL
1236	MAZE, HAROLD E
1275	GREER, ARVIE M
1294	BROWN, TONY W
1331	WOOD, JOSEPH L
1334	ROBERTS, DAVID S
1338	JACKSON, MARY
1403	BROWN, DAVID D

Target Street Cross Street Source
- Cole Information

711	RAMAGE, BRENDA K
721	RAMAGE, RANDELL L
728	DUNKERSON PAVING
0	DUNKERSON, RICK D
735	SINGLETON, E
733 742	DUNKERSON, BARRY L
	•
781	REYNOLDS, MARY I
800	SLONE, SARAH
906	ORNDUFF, STEPHEN D
	WALKER, MIKE M
907	HANEY, NATHAN F
912	MUNCHER, CINDY
944	KNOTTS, LARRY L
962	STONE, JOHN K
964	CROWE, DAVID C
986	MORPHEW, CHARLIE A
994	BORGSTROM, VANESSA D
00.	MORPHEW CHARLIE
998	LOWER, SAMANTHA
1041	WILSON, ROBERT
	BABB, BETTIE L
1056	•
1074	ORNDOFF, NICKIE D
1076	ORNDUFF, W A
1144	LAWLESS, BENNETT R
1159	RAY, HELEN M
1180	MILLER, ROWENA J
1221	LAWLESS, JUSTIN E
1240	SCHOTT, RICHARD
1248	MAXFIELD, BENJAMIN C
1262	MCMURRAY CEMETERY INC
	STRADER, TOM D
1264	BROWNING, RUSSELL L
1266	BROWNING, TENA S
1272	ELLIS, TERRY L
1287	MAXFIELD, TIMOTHY E
1298	MAXFIELD, CLARENCE E
1299	ELPERS STONEWORKS
1200	MOODIE, TERI J
1464	YOUNG, DWANE G
	•
1535	WETHINGTON, STEWART E
1538	JACKSON, WALTER
1591	ARFLACK, SHARON M
1630	HURLEY, CINDY M
1637	EVANS, PERRY P
1687	LOVE, EDITH M
1689	LOVE, STEVE

<u>Target Street</u> <u>Cross Street</u> <u>Source</u>

✓ - Cole Information

# CARRSVILLE RD 2005

911	RAMAGE, PHYLISS
932	DAY, NEAL
935	MAZE, HAROLD H
961	SLAYDEN, DOUGLAS W
965	LASHER, CHRIS K
968	DUNNING, ROSEMARY
970	HARDIN, KENNETH T
982	HARDIN, KENNY M
1004	TOPPER, DANIEL K
1236	HUTCHINSON, EDWARD E
1275	GREER, ARVIE M
1294	BROWN, TONY W
1331	MAYHUGH, KEVIN W
1334	ROBERTS HICKORY HILL FARMS
1356	ROBERTS, DAVID S
1403	BROWN, DAVID D

Target Street Cross Street Source
- Cole Information

708	LESTER, THOMAS R
711	RAMAGE, ELVIE W
721	RAMAGE, RANDELL L
728	DUNKERSON PAVING
	DUNKERSON, RICK D
735	SINGLETON, E
736	DUNKERSON, LENA W
742	DUNKERSON, BARRY L
781	REYNOLDS, MARY I
815	CHAMPION, DANA
861	HOWARD, CALVIN
906	HODGE, JORDON
907	HANEY, NATHAN F
912	MONROE, DONNA
944	KNOTTS, LARRY L
964	CROWE, DAVID C
986	MORPHEW, TONY S
994	MORPHEW CHARLIE REV
	MORPHEW, CHARLIE R
998	KOHLER, GREG
1041	WILSON, ROBERT
1056	BABB, BETTIE L
1159	RAY, DAVID G
1180	MILLER, EUGENE E
1221	FAITH, MARIA P
1240	SCHOTT, RICHARD
1248	HAMBLIN, RANDY
1262	STRADER, TOM D
1272	ELLIS, TERRY L
1284	LOGSDON, TERRESSA W
1287	MAXFIELD, TIMOTHY E
1298	MAXFIELD, CLARENCE F
1299	MOODIE, TERI J
1535	HARRIS, WAYNE W
1538	JACKSON, WALTER
1587	GRAMMER, BERNICE N
1591	ARFLACK, CHUCK R
1630	HURLEY, CINDY M
1637	EVANS, PERRY P
1687	LOVE, STEVE

Target Street Cross Street Source

✓ - Cole Information

# CARRSVILLE RD 2000

911	RAMAGE, PHYLISS
932	DAY, NEAL
935	MAZE, HAROLD
940	BLIZZARD, ANN
944	BEBOUT, SUE A
961	BROWN, STANLEY
965	LASHER, CHRIS
970	HARDIN, KENNETH
1004	TOPPER, DANIEL
1056	BASS, AMY M
1105	WORKMAN, ROBERT W
1141	TURNER, J C
1236	NOEL, JANET
	RAMSEY, ANGELA
1275	GREER, MIKE
1294	BROWN, TONY W
1331	CALABRESE, KIM
1334	ROBERTS HICKORY HILL FARMS
	ROBERTS, ROBERT
1403	BROWN, DAVID W

Target Street Cross Street Source
- Cole Information

728	DUNKERSON PAVING
906	LESTER, WANDA
912	KOON, JOY
944	KNOTTS, LARRY
964	CROWE, DONNA M
986	MORPHEW, TONY
994	MORPHEW, CHARLIE
1144	LAWLESS, DOROTHY B
1180	MILLER, EUGENE
1198	STRADER, LORIE
1240	ALSUP, DEBORAH
1272	ELLIS, RANDY T
1299	LIVING STONE COMPANY THE

Target Street Cross Street Source

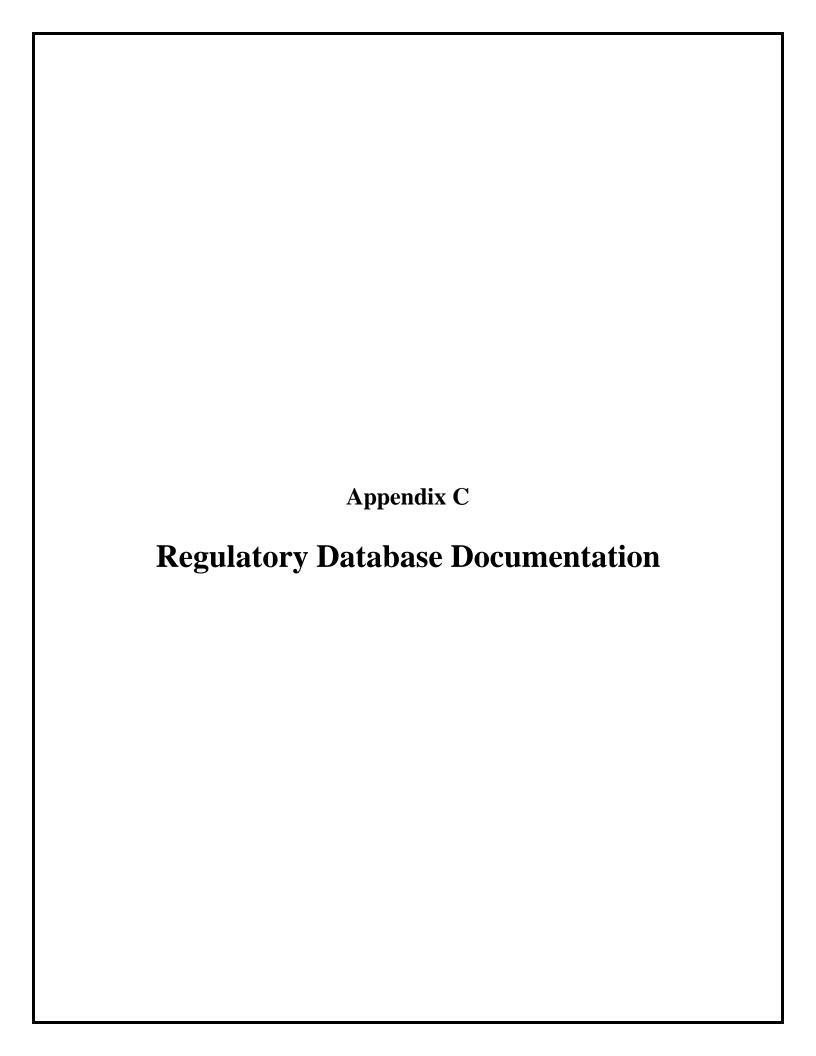
✓ - Cole Information

# CARRSVILLE RD 1995

905	BUTLER, ROBERT
911	RAMAGE, PHILLIS
931	FORD, AGELENE
932	DAY, NEAL
944	RAMAGE, WILLIAM D
961	CAIN, RONNIE
970	HARDIN, KENNETH
982	HARDIN, KENNY M
1004	TOPPER, JOHNNA
1056	KIMBERLIN, BILL
1141	TURNER, J C
1236	NOEL, JANET
1275	GREER, ARVIE M
1294	BROWN, TONY W
1331	ROBERTS, HOBERT
1334	ROBERTS, ROBERT
1342	ROBERTS, WILLIAM
1356	ROBERTS, DAVID S

Target Street Cross Street Source
- Cole Information

708	LESTER, THOMAS R
	•
728	DUNKERSON, RICK
781	MCCANDLESS, D V
786	MCCANDLESS, N V
861	HOWARD, CALVIN
906	LESTER, ROBERT
912	CHAMPION, LARRY
	COSBY, STANLEY A
1074	ORNDUFF, MARY
1198	STRADER, LORIE
1272	ELLIS, RANDY T
1535	TURNER, OLLIE
1564	REYNOLDS, THOMAS
1591	GRIMM, BRIAN
1630	HURLEY, BILLY
1637	EVANS, PERRY
1687	LOVE, JAMES R



### **Mantle Rock Solar**

Carrsville Road Hampton, KY 42047

Inquiry Number: 7300963.2s

April 06, 2023

# The EDR Radius Map™ Report with GeoCheck®



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

### **TABLE OF CONTENTS**

SECTION	PAGE
Executive Summary	ES1
Overview Map	<b>2</b>
Detail Map.	3
Map Findings Summary.	4
Map Findings	
Orphan Summary	9
Government Records Searched/Data Currency Tracking.	GR-1
GEOCHECK ADDENDUM	
Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map.	A-5
Physical Setting Source Map.	A-8
Physical Setting Source Map Findings	<b>A-10</b>
Physical Setting Source Records Searched.	PSGR-

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

#### **Disclaimer - Copyright and Trademark Notice**

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, LLC. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. This Report is provided on an "AS IS", "AS AVAILABLE" basis. NO WARRANTY EXPRESS OR IMPLIED IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, LLC AND ITS SUBSIDIARIES, AFFILIATES AND THIRD PARTY SUPPLIERS DISCLAIM ALL WARRANTIES, OF ANY KIND OR NATURE, EXPRESS OR IMPLIED, ARISING OUT OF OR RELATED TO THIS REPORT OR ANY OF THE DATA AND INFORMATION PROVIDED IN THIS REPORT, INCLUDING WITHOUT LIMITATION, ANY WARRANTIES REGARDING ACCURACY, QUALITY, CORRECTNESS, COMPLETENESS, COMPREHENSIVENESS, SUITABILITY, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE, NON-INFRINGEMENT, MISAPPROPRIATION, OR OTHERWISE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, LLC OR ITS SUBSIDIARIES, AFFILIATES OR THIRD PARTY SUPPLIERS BE LIABLE TO ANYONE FOR ANY DIRECT, INCIDENTAL, INDIRECT, SPECIAL, CONSEQUENTIAL OR OTHER DAMAGES OF ANY TYPE OR KIND (INCLUDING BUT NOT LIMITED TO LOSS OF PROFITS, LOSS OF USE, OR LOSS OF DATA) INFORMATION PROVIDED IN THIS REPORT. Any analyses, estimates, ratings, environmental risk levels, or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only an assessment performed by a qualified environmental professional can provide findings, opinions or conclusions regarding the environmental risk or conditions in, on or at any property.

Copyright 2023 by Environmental Data Resources, LLC. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, LLC, or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, LLC or its affiliates. All other trademarks used herein are the property of their respective owners.

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 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

#### TARGET PROPERTY INFORMATION

#### **ADDRESS**

CARRSVILLE ROAD HAMPTON, KY 42047

#### **COORDINATES**

Latitude (North): 37.3141240 - 37° 18' 50.84" Longitude (West): 88.3892470 - 88° 23' 21.28"

Universal Tranverse Mercator: Zone 16 UTM X (Meters): 376894.4 UTM Y (Meters): 4130421.0

Elevation: 595 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 11081483 GOLCONDA, IL

Version Date: 2018

East Map: 13011309 LOLA, KY

Version Date: 2019

#### **AERIAL PHOTOGRAPHY IN THIS REPORT**

Portions of Photo from: 20140623 Source: USDA

### MAPPED SITES SUMMARY

Target Property Address: CARRSVILLE ROAD HAMPTON, KY 42047

Click on Map ID to see full detail.

MAP RELATIVE DIST (ft. & mi.)

ID SITE NAME ADDRESS DATABASE ACRONYMS ELEVATION DIRECTION

NO MAPPED SITES FOUND

### TARGET PROPERTY SEARCH RESULTS

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

### **DATABASES WITH NO MAPPED SITES**

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

#### STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites								
NPL	_ National Priority List							
Proposed NPL	Proposed National Priority List Sites							
NPL LIENS	- Federal Superfund Liens							
Lists of Federal Delisted Ni	PL sites							
Delisted NPL	National Priority List Deletions							
-	ct to CERCLA removals and CERCLA orders							
	Federal Facility Site Information listing							
SEMS	_ Superfund Enterprise Management System							
Lists of Federal CERCLA s	ites with NFRAP							
	Superfund Enterprise Management System Archive							
SEIVIS-ARCHIVE	- Superfulla Enterprise Management System Archive							
Lists of Federal RCRA facil	lities undergoing Corrective Action							
CORRACTS	Corrective Action Report							
Lists of Federal RCRA TSD	facilities							
RCRA-TSDF	RCRA - Treatment, Storage and Disposal							
Lists of Federal RCRA gene	erators							
RCRA-LQG	RCRA - Large Quantity Generators							
RCRA-SQG	RCRA - Small Quantity Generators							
RCRA-VSQG	RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)							
	- Generalors <sub>j</sub>							
Federal institutional contro	ols / engineering controls registries							
	Land Use Control Information System							
200.0	Land Coo Control Information Cyclem							

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

Federal ERNS list

ERNS..... Emergency Response Notification System

Lists of state- and tribal hazardous waste facilities

SHWS...... State Leads List

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF..... Solid Waste Facilities List

Lists of state and tribal leaking storage tanks

PSTEAF..... Facility Ranking List

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

SB193 Branch Site Inventory List

Lists of state and tribal registered storage tanks

FEMA UST..... Underground Storage Tank Listing UST...... Underground Storage Tank Database

State and tribal institutional control / engineering control registries

ENG CONTROLS..... Engineering Controls Site Listing INST CONTROL..... State Superfund Database

Lists of state and tribal voluntary cleanup sites

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

Lists of state and tribal brownfield sites

BROWNFIELDS..... Kentucky Brownfield Inventory

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Local Lists of Landfill / Solid Waste Disposal Sites

HIST LF..... Historical Landfills SWRCY..... Recycling Facilities

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

ODI..... Open Dump Inventory

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations IHS OPEN DUMPS..... Open Dumps on Indian Land

#### Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... Delisted National Clandestine Laboratory Register CDL...... Clandestine Drub Lab Location Listing

US CDL...... National Clandestine Laboratory Register

#### Local Land Records

LIENS 2..... CERCLA Lien Information

#### Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

SPILLS..... State spills

#### 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

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

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 ECHO..... Enforcement & Compliance History Information

..... Unexploded Ordnance Sites

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

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

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

PFAS FEDERAL SITES..... Federal Sites PFAS Information

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

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

PFAS ATSDR..... PFAS Contamination Site Location Listing PFAS WQP..... Ambient Environmental Sampling for PFAS

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

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

AQUEOUS FOAM NRC..... Aqueous Foam Related Incidents Listing

PFAS Detections Site Listing AIRS..... Permitted Airs Facility Listing ASBESTOS..... Asbestos Notification Listing COAL ASH...... Coal Ash Disposal Sites DRYCLEANERS...... Drycleaner Listing

Financial Assurance Information Listing

LEAD..... Environmental Lead Program Report Tracking Database

NPDES...... Permitted Facility Listing

UIC......UIC Information

MINES MRDS..... Mineral Resources Data System PFAS TRIS.....List of PFAS Added to the TRI

#### **EDR HIGH RISK HISTORICAL RECORDS**

#### **EDR Exclusive Records**

EDR MGP	<b>EDR Proprietary Manufactured Gas Plants</b>
EDR Hist Auto	EDR Exclusive Historical Auto Stations
EDR Hist Cleaner	FDR Exclusive Historical Cleaners

#### **EDR RECOVERED GOVERNMENT ARCHIVES**

#### Exclusive Recovered Govt. Archives

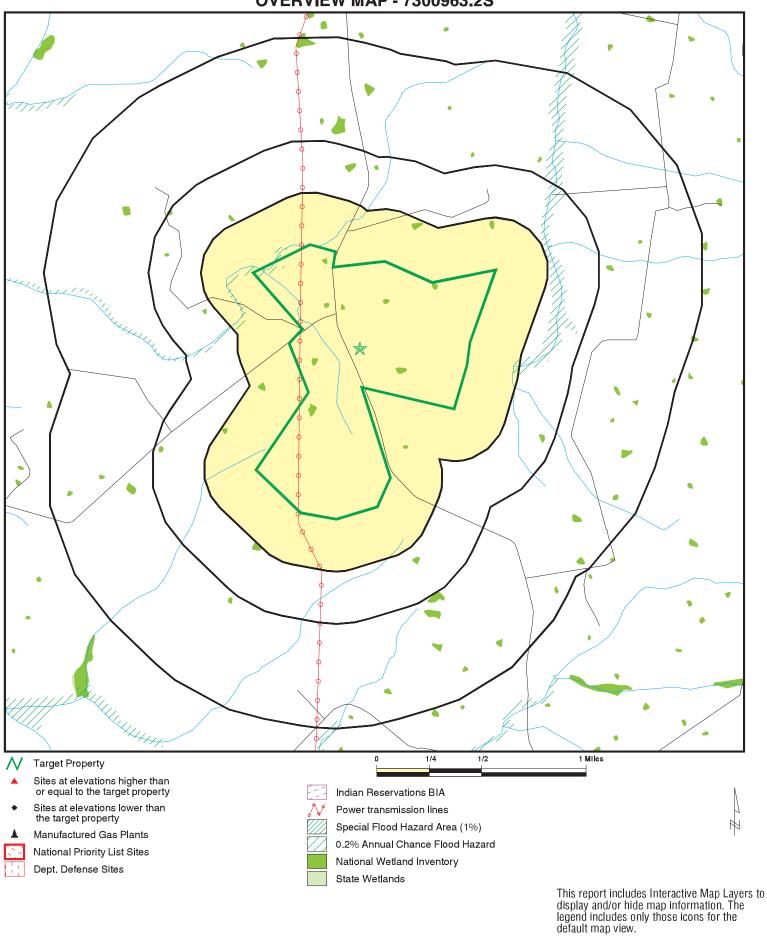
#### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were not identified.

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

There were no unmapped sites in this report.

# **OVERVIEW MAP - 7300963.2S**



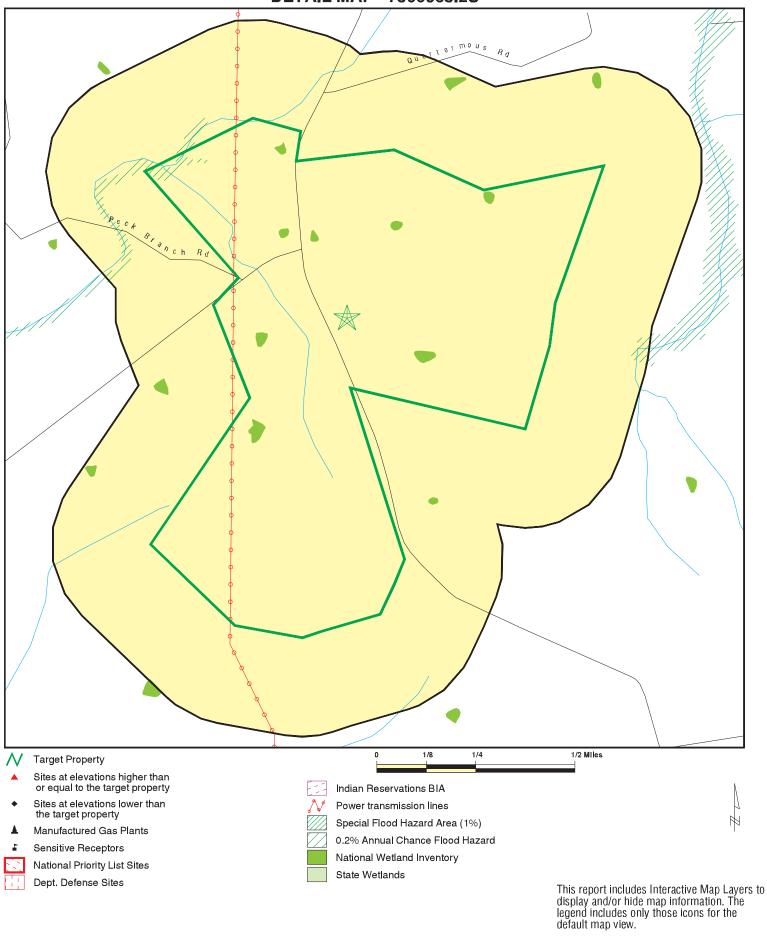
SITE NAME: Mantle Rock Solar

ADDRESS: Carrsville Road
Hampton KY 42047

LAT/LONG: 37.314124 / 88.389247

CLIENT: Linebach Funkhouser Inc.
CONTACT: Jason Boston
INQUIRY #: 7300963.2s
DATE: April 06, 2023 1:36 pm

### **DETAIL MAP - 7300963.2S**



April 06, 2023 1:39 pm

Copyright © 2023 EDR, Inc. © 2015 TomTom Rel. 2015.

Jason Boston

Linebach Funkhouser Inc.

CLIENT: CONTACT:

DATE:

INQUIRY#: 7300963.2s

SITE NAME: Mantle Rock Solar

Carrsville Road

Hampton KY 42047 37.314124 / 88.389247

ADDRESS:

LAT/LONG:

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	>1	Total Plotted			
STANDARD ENVIRONMENT	TAL RECORDS										
Lists of Federal NPL (Superfund) sites											
NPL Proposed NPL NPL LIENS	1.000 1.000 1.000		0 0 0	0 0 0	0 0 0	0 0 0	NR NR NR	0 0 0			
Lists of Federal Delisted	NPL sites										
Delisted NPL	1.000		0	0	0	0	NR	0			
Lists of Federal sites sul CERCLA removals and C		rs									
FEDERAL FACILITY SEMS	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0			
Lists of Federal CERCLA	A sites with N	FRAP									
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0			
Lists of Federal RCRA facilities undergoing Corrective Action											
CORRACTS	1.000		0	0	0	0	NR	0			
Lists of Federal RCRA To	SD facilities										
RCRA-TSDF	0.500		0	0	0	NR	NR	0			
Lists of Federal RCRA ge	enerators										
RCRA-LQG RCRA-SQG RCRA-VSQG	0.250 0.250 0.250		0 0 0	0 0 0	NR NR NR	NR NR NR	NR NR NR	0 0 0			
Federal institutional con engineering controls reg											
LUCIS US ENG CONTROLS US INST CONTROLS	0.500 0.500 0.500		0 0 0	0 0 0	0 0 0	NR NR NR	NR NR NR	0 0 0			
Federal ERNS list											
ERNS	0.001		0	NR	NR	NR	NR	0			
Lists of state- and tribal hazardous waste facilities	es										
SHWS	1.000		0	0	0	0	NR	0			
Lists of state and tribal land solid waste disposa											
SWF/LF	0.500		0	0	0	NR	NR	0			
Lists of state and tribal l	eaking storag	ge tanks									
PSTEAF	0.500		0	0	0	NR	NR	0			

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	<u>&gt; 1</u>	Total Plotted
INDIAN LUST SB193	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
Lists of state and tribal r	egistered sto	rage tanks						
FEMA UST UST AST INDIAN UST	0.250 0.250 0.250 0.250		0 0 0 0	0 0 0 0	NR NR NR NR	NR NR NR NR	NR NR NR NR	0 0 0 0
State and tribal institution control / engineering control		es						
ENG CONTROLS INST CONTROL	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
Lists of state and tribal v	oluntary clea	anup sites						
INDIAN VCP VCP	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
Lists of state and tribal k	prownfield sit	tes						
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMEN	ITAL RECORD	<u>s</u>						
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / S Waste Disposal Sites	Solid							
HIST LF SWRCY INDIAN ODI ODI DEBRIS REGION 9 IHS OPEN DUMPS	0.500 0.500 0.500 0.500 0.500 0.500		0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	NR NR NR NR NR NR	NR NR NR NR NR NR	0 0 0 0 0
Local Lists of Hazardous Contaminated Sites	s waste /							
US HIST CDL CDL US CDL	0.001 0.001 0.001		0 0 0	NR NR NR	NR NR NR	NR NR NR	NR NR NR	0 0 0
Local Land Records								
LIENS 2	0.001		0	NR	NR	NR	NR	0
Records of Emergency F	Release Repo	rts						
HMIRS SPILLS	0.001 0.001		0 0	NR NR	NR NR	NR NR	NR NR	0 0
Other Ascertainable Rec	ords							
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		ő	Ö	Ö	Ö	NR	Ö
SCRD DRYCLEANERS	0.500		Ö	Ö	Ö	NR	NR	Ö
US FIN ASSUR	0.001		Ö	NR	NR	NR	NR	Ö
EPA WATCH LIST	0.001		Ö	NR	NR	NR	NR	Ö
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP UMTRA	1.000 0.500		0 0	0 0	0 0	0 NR	NR NR	0 0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001		Ö	NR	NR	NR	NR	0
ECHO	0.001		Ő	NR	NR	NR	NR	Ö
UXO	1.000		Ő	0	0	0	NR	Ö
DOCKET HWC	0.001		Ö	NR	NR	NR	NR	Ö
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0
PFAS TSCA	0.250		0	0	NR	NR	NR	0
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		0	0	NR	NR	NR	0
PFAS ECHO FIRE TRAINII			0	0	NR	NR	NR	0
PFAS PART 139 AIRPORT			0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
PFAS	TP		NR	NR	NR	NR	NR	0
AIRS	0.001		0	NR NB	NR NB	NR NB	NR	0
ASBESTOS	0.001		0	NR	NR	NR NB	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
LEAD	0.001		0	NR	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
MINES MRDS	0.001		0	NR	NR	NR	NR	0
PFAS TRIS	0.250		0	0	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	0.001		0	NR	NR	NR	NR	0
RGA LF	0.001		Ö	NR	NR	NR	NR	Ö
- Totals		0	0	0	0	0	0	0

### NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID		MAP FINDINGS		
Direction			ı	EDD 10 11 1
Distance				EDR ID Number
Elevation	Site		Database(s)	EPA ID Number

NO SITES FOUND

Count: 0 records. ORPHAN SUMMARY

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

NO SITES FOUND

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

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

#### STANDARD ENVIRONMENTAL RECORDS

#### Lists of Federal NPL (Superfund) sites

NPL: National Priority List

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

Date of Government Version: 01/25/2023 Source: EPA
Date Data Arrived at EDR: 02/03/2023 Telephone: N/A

Number of Days to Update: 25 Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Quarterly

**NPL Site Boundaries** 

Sources

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1 EPA Region 6

Telephone 617-918-1143 Telephone: 214-655-6659

EPA Region 3 EPA Region 7

Telephone 215-814-5418 Telephone: 913-551-7247

EPA Region 4 EPA Region 8

Telephone 404-562-8033 Telephone: 303-312-6774

EPA Region 5 EPA Region 9

Telephone 312-886-6686 Telephone: 415-947-4246

EPA Region 10

Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

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

Date of Government Version: 01/25/2023 Source: EPA
Date Data Arrived at EDR: 02/02/2023 Telephone: N/A

Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

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

Date of Government Version: 10/15/1991 Date Data Arrived at EDR: 02/02/1994 Date Made Active in Reports: 03/30/1994

Number of Days to Update: 56

Source: EPA

Telephone: 202-564-4267 Last EDR Contact: 08/15/2011

Next Scheduled EDR Contact: 11/28/2011 Data Release Frequency: No Update Planned

#### Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

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

Source: EPA

Date of Government Version: 01/25/2023 Date Data Arrived at EDR: 02/02/2023 Date Made Active in Reports: 02/28/2023

Number of Days to Update: 26

Telephone: N/A Last EDR Contact: 04/03/2023

Next Scheduled EDR Contact: 07/10/2023 Data Release Frequency: Quarterly

#### Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

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

Date of Government Version: 12/20/2022 Date Data Arrived at EDR: 12/21/2022 Date Made Active in Reports: 03/10/2023

Number of Days to Update: 79

Source: Environmental Protection Agency

Telephone: 703-603-8704 Last EDR Contact: 03/28/2023

Next Scheduled EDR Contact: 07/10/2023 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: 01/25/2023 Date Data Arrived at EDR: 02/02/2023 Date Made Active in Reports: 02/28/2023

Number of Days to Update: 26

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 04/03/2023

Next Scheduled EDR Contact: 04/24/2023 Data Release Frequency: Quarterly

#### Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

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

Date of Government Version: 01/25/2023 Date Data Arrived at EDR: 02/02/2023 Date Made Active in Reports: 02/28/2023

Number of Days to Update: 26

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 04/03/2023

Next Scheduled EDR Contact: 04/24/2023 Data Release Frequency: Quarterly

#### Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/06/2023 Date Data Arrived at EDR: 03/09/2023 Date Made Active in Reports: 03/20/2023

Number of Days to Update: 11

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 03/09/2023

Next Scheduled EDR Contact: 07/03/2023 Data Release Frequency: Quarterly

#### Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

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

Date of Government Version: 03/06/2023 Date Data Arrived at EDR: 03/09/2023 Date Made Active in Reports: 03/20/2023

Number of Days to Update: 11

Source: Environmental Protection Agency

Telephone: (404) 562-8651 Last EDR Contact: 03/09/2023

Next Scheduled EDR Contact: 07/03/2023 Data Release Frequency: Quarterly

#### Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 03/06/2023 Date Data Arrived at EDR: 03/09/2023 Date Made Active in Reports: 03/20/2023

Number of Days to Update: 11

Source: Environmental Protection Agency

Telephone: (404) 562-8651 Last EDR Contact: 03/09/2023

Next Scheduled EDR Contact: 07/03/2023 Data Release Frequency: Quarterly

#### RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 03/06/2023 Date Data Arrived at EDR: 03/09/2023 Date Made Active in Reports: 03/20/2023

Number of Days to Update: 11

Source: Environmental Protection Agency

Telephone: (404) 562-8651 Last EDR Contact: 03/09/2023

Next Scheduled EDR Contact: 07/03/2023 Data Release Frequency: Quarterly

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

Date of Government Version: 03/06/2023 Date Data Arrived at EDR: 03/09/2023 Date Made Active in Reports: 03/20/2023

Number of Days to Update: 11

Source: Environmental Protection Agency

Telephone: (404) 562-8651 Last EDR Contact: 03/09/2023

Next Scheduled EDR Contact: 07/03/2023 Data Release Frequency: Quarterly

#### Federal institutional controls / engineering controls registries

#### LUCIS: Land Use Control Information System

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

Date of Government Version: 11/02/2022 Date Data Arrived at EDR: 11/08/2022 Date Made Active in Reports: 01/10/2023

Number of Days to Update: 63

Source: Department of the Navy Telephone: 843-820-7326 Last EDR Contact: 02/03/2023

Next Scheduled EDR Contact: 05/22/2023 Data Release Frequency: Varies

#### US ENG CONTROLS: Engineering Controls Sites List

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

Date of Government Version: 10/27/2022 Date Data Arrived at EDR: 11/16/2022 Date Made Active in Reports: 02/09/2023

Number of Days to Update: 85

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 02/21/2023

Next Scheduled EDR Contact: 06/05/2023 Data Release Frequency: Varies

#### US INST CONTROLS: Institutional Controls Sites List

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

Date of Government Version: 10/27/2022 Date Data Arrived at EDR: 11/16/2022 Date Made Active in Reports: 02/09/2023

Number of Days to Update: 85

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 02/21/2023

Next Scheduled EDR Contact: 06/05/2023

Data Release Frequency: Varies

#### Federal ERNS list

ERNS: Emergency Response Notification System

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

substances.

Date of Government Version: 12/12/2022 Date Data Arrived at EDR: 12/14/2022 Date Made Active in Reports: 12/19/2022

Number of Days to Update: 5

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180 Last EDR Contact: 03/21/2023

Next Scheduled EDR Contact: 07/03/2023 Data Release Frequency: Quarterly

#### Lists of state- and tribal hazardous waste facilities

SHWS: State Leads List

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: 12/12/2022 Date Data Arrived at EDR: 12/15/2022 Date Made Active in Reports: 03/09/2023

Number of Days to Update: 84

Source: Department of Environmental Protection

Telephone: 502-564-6716 Last EDR Contact: 02/17/2023

Next Scheduled EDR Contact: 06/05/2023 Data Release Frequency: Quarterly

#### Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF: Solid Waste Facilities 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: 08/25/2022 Date Data Arrived at EDR: 10/24/2022 Date Made Active in Reports: 01/12/2023

Number of Days to Update: 80

Source: Department of Environmental Protection

Telephone: 502-564-6716 Last EDR Contact: 01/24/2023

Next Scheduled EDR Contact: 05/08/2023 Data Release Frequency: Semi-Annually

#### Lists of state and tribal leaking storage tanks

PSTEAF: Facility Ranking List

The Underground Storage Tank Branch (USTB) has ranked all PSTEAF reimbursable facilities requiring corrective action, in accordance with 401 KAR 42:290. Directive letters will be issued on the basis of facility ranking and available PSTEAF funding in sequential order as ranked. For example, Rank 2 facilities will be issued directives before Rank 3 facilities.

Date of Government Version: 12/01/2022 Date Data Arrived at EDR: 01/04/2023 Date Made Active in Reports: 03/22/2023

Number of Days to Update: 77

Source: Department of Environmental Protection

Telephone: 502-564-5981 Last EDR Contact: 04/04/2023

Next Scheduled EDR Contact: 07/17/2023 Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/20/2022 Date Data Arrived at EDR: 06/13/2022 Date Made Active in Reports: 08/16/2022

Number of Days to Update: 64

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 01/17/2023

Next Scheduled EDR Contact: 05/01/2023

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/14/2022 Date Data Arrived at EDR: 12/06/2022 Date Made Active in Reports: 03/03/2023

Number of Days to Update: 87

Source: EPA, Region 5 Telephone: 312-886-7439 Last EDR Contact: 01/17/2023

Next Scheduled EDR Contact: 05/01/2023 Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 11/23/2022 Date Data Arrived at EDR: 12/06/2022 Date Made Active in Reports: 03/03/2023

Number of Days to Update: 87

Source: EPA Region 6 Telephone: 214-665-6597 Last EDR Contact: 01/17/2023

Next Scheduled EDR Contact: 05/01/2023 Data Release Frequency: Varies

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

Date of Government Version: 11/23/2022 Date Data Arrived at EDR: 12/06/2022 Date Made Active in Reports: 03/03/2023

Number of Days to Update: 87

Source: Environmental Protection Agency Telephone: 415-972-3372 Last EDR Contact: 01/17/2023

Next Scheduled EDR Contact: 05/01/2023 Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 11/23/2022 Date Data Arrived at EDR: 12/06/2022 Date Made Active in Reports: 03/03/2023

Number of Days to Update: 87

Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 01/17/2023

Next Scheduled EDR Contact: 05/01/2023 Data Release Frequency: Varies

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

Date of Government Version: 10/14/2022 Date Data Arrived at EDR: 12/06/2022 Date Made Active in Reports: 03/03/2023

Number of Days to Update: 87

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 01/17/2023

Next Scheduled EDR Contact: 05/01/2023 Data Release Frequency: Varies

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

Date of Government Version: 10/19/2022 Date Data Arrived at EDR: 12/06/2022 Date Made Active in Reports: 03/03/2023

Number of Days to Update: 87

Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 01/17/2023

Next Scheduled EDR Contact: 05/01/2023 Data Release Frequency: Varies

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

Date of Government Version: 11/26/2022 Date Data Arrived at EDR: 12/06/2022 Date Made Active in Reports: 03/03/2023

Number of Days to Update: 87

Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 01/17/2023

Next Scheduled EDR Contact: 05/01/2023

SB193: SB193 Branch Site Inventory List

The inventory indicates facilities that have performed permanent closure activities at a regulated underground storage tank facility and have known soil and/or groundwater contamination.

Date of Government Version: 09/05/2006 Date Data Arrived at EDR: 09/13/2006 Date Made Active in Reports: 10/18/2006

Number of Days to Update: 35

Source: Department of Environmental Protection

Telephone: 502-564-5981 Last EDR Contact: 04/08/2016

Next Scheduled EDR Contact: 07/25/2016

Data Release Frequency: No Update Planned

#### Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 10/14/2021 Date Data Arrived at EDR: 11/05/2021 Date Made Active in Reports: 02/01/2022

Number of Days to Update: 88

Source: FEMA

Telephone: 202-646-5797 Last EDR Contact: 03/29/2023

Next Scheduled EDR Contact: 07/17/2023

Data Release Frequency: Varies

UST: Underground Storage Tank Database

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 11/08/2022 Date Data Arrived at EDR: 11/16/2022 Date Made Active in Reports: 02/09/2023

Number of Days to Update: 85

Source: Department of Environmental Protection

Telephone: 502-564-5981 Last EDR Contact: 02/22/2023

Next Scheduled EDR Contact: 06/05/2023 Data Release Frequency: Quarterly

AST: Above Ground Storage Tanks

A listing of aboveground storage tank site locations.

Date of Government Version: 06/01/2021 Date Data Arrived at EDR: 06/02/2021 Date Made Active in Reports: 08/23/2021

Number of Days to Update: 82

Source: Office of State Fire Marshal Telephone: 502-564-4010 Last EDR Contact: 02/02/2023

Next Scheduled EDR Contact: 06/05/2023

Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

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

Date of Government Version: 11/23/2022 Date Data Arrived at EDR: 12/06/2022 Date Made Active in Reports: 03/03/2023

Number of Days to Update: 87

Source: EPA Region 9 Telephone: 415-972-3368 Last EDR Contact: 01/17/2023

Next Scheduled EDR Contact: 05/01/2023 Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

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

Date of Government Version: 11/23/2022 Date Data Arrived at EDR: 12/06/2022 Date Made Active in Reports: 03/03/2023

Number of Days to Update: 87

Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 01/17/2023

Next Scheduled EDR Contact: 05/01/2023

INDIAN UST R7: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/14/2022 Date Data Arrived at EDR: 12/06/2022 Date Made Active in Reports: 03/03/2023

Number of Days to Update: 87

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 01/17/2023

Next Scheduled EDR Contact: 05/01/2023 Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/19/2022 Date Data Arrived at EDR: 12/06/2022 Date Made Active in Reports: 03/03/2023

Number of Days to Update: 87

Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 01/17/2023

Next Scheduled EDR Contact: 05/01/2023 Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/14/2022 Date Data Arrived at EDR: 12/06/2022 Date Made Active in Reports: 03/03/2023

Number of Days to Update: 87

Source: EPA Region 5 Telephone: 312-886-6136 Last EDR Contact: 01/17/2023

Next Scheduled EDR Contact: 05/01/2023 Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

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

Date of Government Version: 11/23/2022 Date Data Arrived at EDR: 12/06/2022 Date Made Active in Reports: 03/03/2023

Number of Days to Update: 87

Source: EPA Region 6 Telephone: 214-665-7591 Last EDR Contact: 01/17/2023

Next Scheduled EDR Contact: 05/01/2023

Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/20/2022 Date Data Arrived at EDR: 06/13/2022 Date Made Active in Reports: 08/16/2022

Number of Days to Update: 64

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 01/17/2023

Next Scheduled EDR Contact: 05/01/2023 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: 11/23/2022 Date Data Arrived at EDR: 12/06/2022 Date Made Active in Reports: 03/03/2023

Number of Days to Update: 87

Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 01/17/2023

Next Scheduled EDR Contact: 05/01/2023 Data Release Frequency: Varies

#### State and tribal institutional control / engineering control registries

ENG CONTROLS: Engineering Controls Site Listing A listing of sites that use engineering controls.

Date of Government Version: 12/12/2022 Date Data Arrived at EDR: 12/15/2022 Date Made Active in Reports: 03/09/2023

Number of Days to Update: 84

Source: Department of Environmental Protection

Telephone: 502-564-6716 Last EDR Contact: 02/17/2023

Next Scheduled EDR Contact: 06/05/2023 Data Release Frequency: Varies

INST CONTROL: State Superfund Database

A list of closed sites in the State Superfund Database. Institutional controls would be in place at any site that uses Contained or Managed as a Closure Option.

Date of Government Version: 12/12/2022 Date Data Arrived at EDR: 12/15/2022 Date Made Active in Reports: 03/09/2023

Number of Days to Update: 84

Source: Department of Environmental Protection

Telephone: 502-564-6716 Last EDR Contact: 02/17/2023

Next Scheduled EDR Contact: 06/05/2023

Data Release Frequency: Varies

#### Lists of state and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

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

Date of Government Version: 07/27/2015 Date Data Arrived at EDR: 09/29/2015 Date Made Active in Reports: 02/18/2016

Number of Days to Update: 142

Source: EPA, Region 1 Telephone: 617-918-1102 Last EDR Contact: 03/17/2023

Next Scheduled EDR Contact: 07/03/2023

Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Sites

Sites that have been accepted into the Voluntary Cleanup Program or have submitted an application.

Date of Government Version: 01/09/2023 Date Data Arrived at EDR: 01/11/2023 Date Made Active in Reports: 03/29/2023

Number of Days to Update: 77

Source: Department of Environmental Protection

Telephone: 502-564-6716 Last EDR Contact: 03/23/2023

Next Scheduled EDR Contact: 07/10/2023

Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

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

Date of Government Version: 03/20/2008 Date Data Arrived at EDR: 04/22/2008 Date Made Active in Reports: 05/19/2008

Number of Days to Update: 27

Source: EPA, Region 7 Telephone: 913-551-7365 Last EDR Contact: 07/08/2021

Next Scheduled EDR Contact: 07/20/2009 Data Release Frequency: Varies

#### Lists of state and tribal brownfield sites

**BROWNFIELDS: Kentucky Brownfield Inventory** 

The Kentucky Brownfield Program has created an inventory of brownfield sites in order to market the properties to those interested in brownfield redevelopment. The Kentucky Brownfield Program is working to promote the redevelopment of these sites by helping to remove barriers that prevent reuse, providing useful information to communities, developers and the public and encouraging a climate that fosters redevelopment of contaminated sites.

Date of Government Version: 10/27/2022 Date Data Arrived at EDR: 10/27/2022 Date Made Active in Reports: 01/12/2023

Number of Days to Update: 77

Source: Division of Compliance Assistance

Telephone: 502-564-0323 Last EDR Contact: 01/09/2023

Next Scheduled EDR Contact: 04/24/2023 Data Release Frequency: Varies

#### ADDITIONAL ENVIRONMENTAL RECORDS

#### Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

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

Date of Government Version: 02/23/2022 Date Data Arrived at EDR: 03/10/2022 Date Made Active in Reports: 03/10/2022

Number of Days to Update: 0

Source: Environmental Protection Agency Telephone: 202-566-2777

Last EDR Contact: 04/04/2023

Next Scheduled EDR Contact: 06/26/2023 Data Release Frequency: Semi-Annually

#### Local Lists of Landfill / Solid Waste Disposal Sites

HIST LF: Historical Landfills

This solid waste facility listing contains detail information that is not included in the landfill listing. A listing with detail information is no longer available by the Department of Environmental Protection.

Date of Government Version: 05/01/2003 Date Data Arrived at EDR: 03/30/2006 Date Made Active in Reports: 05/01/2006

Number of Days to Update: 32

Source: Department of Environmental Protection

Telephone: 502-564-6716 Last EDR Contact: 02/23/2009

Next Scheduled EDR Contact: 05/25/2009 Data Release Frequency: No Update Planned

SWRCY: Recycling Facilities

A listing of recycling facilities located in the state of Kentucky.

Date of Government Version: 09/04/2020 Date Data Arrived at EDR: 10/14/2020 Date Made Active in Reports: 01/04/2021

Number of Days to Update: 82

Source: Department of Environmental Protection

Telephone: 502-564-6716 Last EDR Contact: 01/13/2023

Next Scheduled EDR Contact: 04/24/2023 Data Release Frequency: Varies

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

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998 Date Data Arrived at EDR: 12/03/2007 Date Made Active in Reports: 01/24/2008

Number of Days to Update: 52

Source: Environmental Protection Agency

Telephone: 703-308-8245 Last EDR Contact: 01/20/2023

Next Scheduled EDR Contact: 05/08/2023 Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

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

Date of Government Version: 01/12/2009 Date Data Arrived at EDR: 05/07/2009 Date Made Active in Reports: 09/21/2009

Number of Days to Update: 137

Source: EPA, Region 9 Telephone: 415-947-4219 Last EDR Contact: 01/13/2023

Next Scheduled EDR Contact: 05/01/2023 Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258

Subtitle D Criteria.

Date of Government Version: 06/30/1985 Date Data Arrived at EDR: 08/09/2004 Date Made Active in Reports: 09/17/2004

Number of Days to Update: 39

Source: Environmental Protection Agency

Telephone: 800-424-9346 Last EDR Contact: 06/09/2004 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014 Date Data Arrived at EDR: 08/06/2014 Date Made Active in Reports: 01/29/2015

Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service

Telephone: 301-443-1452 Last EDR Contact: 01/27/2023

Next Scheduled EDR Contact: 05/08/2023

Data Release Frequency: Varies

#### Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 01/06/2023

Date Data Arrived at EDR: 02/02/2023 Date Made Active in Reports: 02/10/2023

Number of Days to Update: 8

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 02/02/2023

Next Scheduled EDR Contact: 06/05/2023 Data Release Frequency: No Update Planned

CDL: Clandestine Drub Lab Location Listing Clandestine drug lab site locations.

Date of Government Version: 12/12/2022 Date Data Arrived at EDR: 12/15/2022 Date Made Active in Reports: 03/09/2023

Number of Days to Update: 84

Source: Department of Environmental Protection

Telephone: 502-564-6716 Last EDR Contact: 02/17/2023

Next Scheduled EDR Contact: 06/05/2023

Data Release Frequency: Varies

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: 01/06/2023 Date Data Arrived at EDR: 02/02/2023 Date Made Active in Reports: 02/10/2023

Number of Days to Update: 8

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 02/02/2023

Next Scheduled EDR Contact: 06/05/2023 Data Release Frequency: Quarterly

#### **Local Land Records**

#### LIENS 2: CERCLA Lien Information

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

Date of Government Version: 01/25/2023 Date Data Arrived at EDR: 02/02/2023 Date Made Active in Reports: 02/28/2023

Number of Days to Update: 26

Source: Environmental Protection Agency

Telephone: 202-564-6023 Last EDR Contact: 04/03/2023

Next Scheduled EDR Contact: 07/10/2023 Data Release Frequency: Semi-Annually

#### Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

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

Date of Government Version: 12/13/2022 Date Data Arrived at EDR: 12/14/2022 Date Made Active in Reports: 03/10/2023

Number of Days to Update: 86

Source: U.S. Department of Transportation

Telephone: 202-366-4555 Last EDR Contact: 03/21/2023

Next Scheduled EDR Contact: 07/03/2023 Data Release Frequency: Quarterly

SPILLS: State spills

A listing of spill and/or release related incidents.

Date of Government Version: 10/31/2022 Date Data Arrived at EDR: 11/02/2022 Date Made Active in Reports: 01/24/2023

Number of Days to Update: 83

Source: DEP, Emergency Response

Telephone: 502-564-2380 Last EDR Contact: 01/09/2023

Next Scheduled EDR Contact: 04/24/2023 Data Release Frequency: Varies

#### Other Ascertainable Records

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

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

Date of Government Version: 03/06/2023 Date Data Arrived at EDR: 03/09/2023 Date Made Active in Reports: 03/20/2023

Number of Days to Update: 11

Source: Environmental Protection Agency

Telephone: (404) 562-8651 Last EDR Contact: 03/09/2023

Next Scheduled EDR Contact: 07/03/2023 Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

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

Date of Government Version: 11/01/2022 Date Data Arrived at EDR: 11/10/2022 Date Made Active in Reports: 02/09/2023

Number of Days to Update: 91

Source: U.S. Army Corps of Engineers

Telephone: 202-528-4285 Last EDR Contact: 02/14/2023

Next Scheduled EDR Contact: 05/29/2023 Data Release Frequency: Varies

DOD: Department of Defense Sites

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

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

Number of Days to Update: 239

Source: USGS Telephone: 888-275-8

Telephone: 888-275-8747 Last EDR Contact: 01/13/2023

Next Scheduled EDR Contact: 04/24/2023

#### FEDLAND: Federal and Indian Lands

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

Date of Government Version: 04/02/2018 Date Data Arrived at EDR: 04/11/2018 Date Made Active in Reports: 11/06/2019

Number of Days to Update: 574

Source: U.S. Geological Survey Telephone: 888-275-8747 Last EDR Contact: 04/03/2023

Next Scheduled EDR Contact: 07/17/2023

Data Release Frequency: N/A

#### SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

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

Date of Government Version: 07/30/2021 Date Data Arrived at EDR: 02/03/2023 Date Made Active in Reports: 02/10/2023

Number of Days to Update: 7

Source: Environmental Protection Agency

Telephone: 615-532-8599 Last EDR Contact: 02/02/2023

Next Scheduled EDR Contact: 05/22/2023 Data Release Frequency: Varies

#### US FIN ASSUR: Financial Assurance Information

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

Date of Government Version: 12/13/2022 Date Data Arrived at EDR: 12/14/2022 Date Made Active in Reports: 03/10/2023

Number of Days to Update: 86

Source: Environmental Protection Agency

Telephone: 202-566-1917 Last EDR Contact: 03/21/2023

Next Scheduled EDR Contact: 07/03/2023 Data Release Frequency: Quarterly

#### EPA WATCH LIST: EPA WATCH LIST

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

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

Number of Days to Update: 88

Source: Environmental Protection Agency

Telephone: 617-520-3000 Last EDR Contact: 01/30/2023

Next Scheduled EDR Contact: 05/15/2023 Data Release Frequency: Quarterly

#### 2020 COR ACTION: 2020 Corrective Action Program List

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

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

Number of Days to Update: 73

Source: Environmental Protection Agency

Telephone: 703-308-4044 Last EDR Contact: 02/03/2023

Next Scheduled EDR Contact: 05/15/2023

#### 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.

Source: EPA

Date of Government Version: 12/31/2020 Date Data Arrived at EDR: 06/14/2022 Date Made Active in Reports: 03/24/2023 Number of Days to Update: 283

Telephone: 202-260-5521 Last EDR Contact: 03/13/2023

Next Scheduled EDR Contact: 06/26/2023 Data Release Frequency: Every 4 Years

#### TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Source: EPA

Date of Government Version: 12/31/2021 Date Data Arrived at EDR: 11/01/2022 Date Made Active in Reports: 02/09/2023

Telephone: 202-566-0250 Last EDR Contact: 02/16/2023

Number of Days to Update: 100

Next Scheduled EDR Contact: 05/29/2023 Data Release Frequency: Annually

#### SSTS: Section 7 Tracking Systems

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

Date of Government Version: 10/17/2022 Date Data Arrived at EDR: 10/18/2022 Date Made Active in Reports: 01/10/2023

Date Made Active in Reports: 01/10/2 Number of Days to Update: 84 Source: EPA

Telephone: 202-564-4203 Last EDR Contact: 01/18/2023

Next Scheduled EDR Contact: 05/01/2023 Data Release Frequency: Annually

#### ROD: Records Of Decision

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

Date of Government Version: 01/25/2023 Date Data Arrived at EDR: 02/02/2023 Date Made Active in Reports: 02/28/2023

Number of Days to Update: 26

Source: EPA

Telephone: 703-416-0223 Last EDR Contact: 04/03/2023

Next Scheduled EDR Contact: 06/12/2023 Data Release Frequency: Annually

RMP: Risk Management Plans

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

Date of Government Version: 04/27/2022 Date Data Arrived at EDR: 05/04/2022 Date Made Active in Reports: 05/10/2022

Number of Days to Update: 6

Source: Environmental Protection Agency

Telephone: 202-564-8600 Last EDR Contact: 01/17/2023

Next Scheduled EDR Contact: 05/01/2023 Data Release Frequency: Varies

#### RAATS: RCRA Administrative Action Tracking System

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

Date of Government Version: 04/17/1995 Date Data Arrived at EDR: 07/03/1995 Date Made Active in Reports: 08/07/1995

Number of Days to Update: 35

Source: EPA

Telephone: 202-564-4104 Last EDR Contact: 06/02/2008

Next Scheduled EDR Contact: 09/01/2008 Data Release Frequency: No Update Planned

#### PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/27/2022 Date Data Arrived at EDR: 11/01/2022 Date Made Active in Reports: 11/15/2022

Number of Days to Update: 14

Source: EPA

Telephone: 202-564-6023 Last EDR Contact: 04/03/2023

Next Scheduled EDR Contact: 05/15/2023 Data Release Frequency: Quarterly

#### PADS: PCB Activity Database System

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

Date of Government Version: 11/03/2022 Date Data Arrived at EDR: 01/04/2023 Date Made Active in Reports: 04/03/2023

Number of Days to Update: 89

Source: EPA

Telephone: 202-566-0500 Last EDR Contact: 04/04/2023

Next Scheduled EDR Contact: 07/17/2023 Data Release Frequency: Annually

#### ICIS: Integrated Compliance Information System

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

Date of Government Version: 11/18/2016 Date Data Arrived at EDR: 11/23/2016 Date Made Active in Reports: 02/10/2017

Number of Days to Update: 79

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 03/29/2023

Next Scheduled EDR Contact: 07/17/2023 Data Release Frequency: Quarterly

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

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

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

Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Telephone: 202-566-1667 Last EDR Contact: 08/18/2017

Next Scheduled EDR Contact: 12/04/2017 Data Release Frequency: No Update Planned

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

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

Number of Days to Update: 25

Source: EPA Telephone: 202-566-1667 Last EDR Contact: 08/18/2017

Next Scheduled EDR Contact: 12/04/2017 Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

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

Date of Government Version: 10/26/2022 Date Data Arrived at EDR: 11/22/2022 Date Made Active in Reports: 12/05/2022

Number of Days to Update: 13

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169 Last EDR Contact: 01/17/2023

Next Scheduled EDR Contact: 05/01/2023 Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

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

Date of Government Version: 12/31/2020 Date Data Arrived at EDR: 11/30/2021 Date Made Active in Reports: 02/22/2022

Number of Days to Update: 84

Source: Department of Energy Telephone: 202-586-8719 Last EDR Contact: 03/03/2023

Next Scheduled EDR Contact: 06/12/2023 Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

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

Date of Government Version: 01/12/2017 Date Data Arrived at EDR: 03/05/2019 Date Made Active in Reports: 11/11/2019

Number of Days to Update: 251

Source: Environmental Protection Agency

Telephone: N/A

Last EDR Contact: 02/27/2023

Next Scheduled EDR Contact: 06/12/2023 Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

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

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

Number of Days to Update: 96

Source: Environmental Protection Agency

Telephone: 202-566-0517 Last EDR Contact: 02/03/2023

Next Scheduled EDR Contact: 05/15/2023 Data Release Frequency: Varies

**RADINFO: Radiation Information Database** 

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

Date of Government Version: 07/01/2019 Date Data Arrived at EDR: 07/01/2019 Date Made Active in Reports: 09/23/2019

Number of Days to Update: 84

Source: Environmental Protection Agency

Telephone: 202-343-9775 Last EDR Contact: 03/23/2023

Next Scheduled EDR Contact: 07/10/2023 Data Release Frequency: Quarterly

#### HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

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

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

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501

Last EDR Contact: 12/17/2007

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

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

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

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

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2008

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

#### DOT OPS: Incident and Accident Data

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

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

Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety

Telephone: 202-366-4595 Last EDR Contact: 01/24/2023

Next Scheduled EDR Contact: 05/08/2023 Data Release Frequency: Quarterly

#### CONSENT: Superfund (CERCLA) Consent Decrees

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

Date of Government Version: 09/30/2022 Date Data Arrived at EDR: 10/21/2022 Date Made Active in Reports: 01/10/2023

Number of Days to Update: 81

Source: Department of Justice, Consent Decree Library

Telephone: Varies

Last EDR Contact: 04/03/2023

Next Scheduled EDR Contact: 07/17/2023 Data Release Frequency: Varies

#### BRS: Biennial Reporting System

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

Date of Government Version: 12/31/2021 Date Data Arrived at EDR: 03/09/2023 Date Made Active in Reports: 03/20/2023

Number of Days to Update: 11

Source: EPA/NTIS Telephone: 800-424-9346 Last EDR Contact: 03/09/2023

Next Scheduled EDR Contact: 07/03/2023 Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

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

than 640 acres.

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

Number of Days to Update: 546

Source: USGS

Telephone: 202-208-3710 Last EDR Contact: 01/06/2023

Next Scheduled EDR Contact: 04/17/2023 Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

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

Date of Government Version: 07/26/2021 Date Data Arrived at EDR: 07/27/2021 Date Made Active in Reports: 10/22/2021

Number of Days to Update: 87

Source: Department of Energy Telephone: 202-586-3559 Last EDR Contact: 01/30/2023

Next Scheduled EDR Contact: 05/15/2023

Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019 Date Data Arrived at EDR: 11/15/2019 Date Made Active in Reports: 01/28/2020

Number of Days to Update: 74

Source: Department of Energy Telephone: 505-845-0011 Last EDR Contact: 02/13/2023

Next Scheduled EDR Contact: 05/29/2023

Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 01/25/2023 Date Data Arrived at EDR: 02/02/2023 Date Made Active in Reports: 02/28/2023

Number of Days to Update: 26

Source: Environmental Protection Agency

Telephone: 703-603-8787 Last EDR Contact: 04/03/2023

Next Scheduled EDR Contact: 07/10/2023

Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

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

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

Number of Days to Update: 36

Source: American Journal of Public Health

Telephone: 703-305-6451 Last EDR Contact: 12/02/2009 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

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

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

Telephone: 202-564-2496

Last EDR Contact: 09/26/2017

Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

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

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

Source: EPA

Telephone: 202-564-2496 Last EDR Contact: 09/26/2017

Next Scheduled EDR Contact: 01/08/2018 Data Release Frequency: Annually

US MINES: Mines Master Index File

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

Date of Government Version: 11/07/2022 Date Data Arrived at EDR: 11/17/2022 Date Made Active in Reports: 02/10/2023

Number of Days to Update: 85

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959 Last EDR Contact: 02/22/2023

Next Scheduled EDR Contact: 06/05/2023 Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

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

Date of Government Version: 02/27/2023 Date Data Arrived at EDR: 03/01/2023 Date Made Active in Reports: 03/24/2023

Number of Days to Update: 23

Source: DOL, Mine Safety & Health Admi

Telephone: 202-693-9424 Last EDR Contact: 04/04/2023

Next Scheduled EDR Contact: 06/12/2023 Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

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

Date of Government Version: 05/06/2020 Date Data Arrived at EDR: 05/27/2020 Date Made Active in Reports: 08/13/2020

Number of Days to Update: 78

Source: USGS

Telephone: 703-648-7709 Last EDR Contact: 02/24/2023

Next Scheduled EDR Contact: 06/05/2023 Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

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

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

Number of Days to Update: 97

Source: USGS

Telephone: 703-648-7709 Last EDR Contact: 02/24/2023

Next Scheduled EDR Contact: 06/05/2023

Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 12/20/2022 Date Data Arrived at EDR: 12/20/2022 Date Made Active in Reports: 03/10/2023

Number of Days to Update: 80

Source: Department of Interior Telephone: 202-208-2609 Last EDR Contact: 03/16/2023

Next Scheduled EDR Contact: 06/19/2023 Data Release Frequency: Quarterly

#### FINDS: Facility Index System/Facility Registry System

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

Date of Government Version: 02/02/2023 Date Data Arrived at EDR: 02/28/2023 Date Made Active in Reports: 03/24/2023

Number of Days to Update: 24

Source: EPA Telephone: (404) 562-9900 Last EDR Contact: 02/28/2023

Next Scheduled EDR Contact: 06/12/2023 Data Release Frequency: Quarterly

#### ECHO: Enforcement & Compliance History Information

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

Date of Government Version: 01/01/2023 Date Data Arrived at EDR: 01/04/2023 Date Made Active in Reports: 04/03/2023

Number of Days to Update: 89

Source: Environmental Protection Agency

Telephone: 202-564-2280 Last EDR Contact: 03/31/2023

Next Scheduled EDR Contact: 07/17/2023 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: 05/06/2021 Date Data Arrived at EDR: 05/21/2021 Date Made Active in Reports: 08/11/2021

Number of Days to Update: 82

Source: Environmental Protection Agency

Telephone: 202-564-0527 Last EDR Contact: 02/24/2023

Next Scheduled EDR Contact: 06/05/2023 Data Release Frequency: Varies

#### UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 11/09/2021 Date Data Arrived at EDR: 10/20/2022 Date Made Active in Reports: 01/10/2023

Number of Days to Update: 82

Source: Department of Defense Telephone: 703-704-1564 Last EDR Contact: 01/09/2023

Next Scheduled EDR Contact: 04/24/2023 Data Release Frequency: Varies

### FUELS PROGRAM: EPA Fuels Program Registered Listing

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

Date of Government Version: 11/10/2022 Date Data Arrived at EDR: 11/10/2022 Date Made Active in Reports: 02/09/2023

Number of Days to Update: 91

Source: EPA

Telephone: 800-385-6164 Last EDR Contact: 02/14/2023

Next Scheduled EDR Contact: 05/29/2023 Data Release Frequency: Quarterly

#### PFAS NPL: Superfund Sites with PFAS Detections Information

EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

Date of Government Version: 02/23/2022 Date Data Arrived at EDR: 07/08/2022 Date Made Active in Reports: 11/08/2022

Number of Days to Update: 123

Source: Environmental Protection Agency

Telephone: 703-603-8895 Last EDR Contact: 04/04/2023

Next Scheduled EDR Contact: 07/17/2023 Data Release Frequency: Varies

#### PFAS FEDERAL SITES: Federal Sites PFAS Information

Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 02/23/2022 Date Data Arrived at EDR: 03/31/2022 Date Made Active in Reports: 11/08/2022

Number of Days to Update: 222

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 03/30/2023

Next Scheduled EDR Contact: 07/17/2023 Data Release Frequency: Varies

#### PFAS TSCA: PFAS Manufacture and Imports Information

EPA issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. EPA publishes non-confidential business information (non-CBI) and includes descriptive information about each site, corporate parent, production volume, other manufacturing information, and processing and use information.

Date of Government Version: 01/03/2022 Date Data Arrived at EDR: 03/31/2022 Date Made Active in Reports: 11/08/2022

Number of Days to Update: 222

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 03/30/2023

Next Scheduled EDR Contact: 07/17/2023 Data Release Frequency: Varies

#### PFAS RCRA MANIFEST: PFAS Transfers Identified In the RCRA Database Listing

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST HANDLING INSTR), Non-hazardous waste description (NON HAZ WASTE DESCRIPTION), DOT printed information (DOT\_PRINTED\_INFORMATION), Waste line handling instructions (WASTE\_LINE\_HANDLING\_INSTR), Waste residue comments (WASTE\_RESIDUE\_COMMENTS).

Date of Government Version: 01/03/2022 Date Data Arrived at EDR: 03/31/2022 Date Made Active in Reports: 11/08/2022

Number of Days to Update: 222

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 03/30/2023

Next Scheduled EDR Contact: 07/17/2023 Data Release Frequency: Varies

#### PFAS ATSDR: PFAS Contamination Site Location Listing

PFAS contamination site locations from the Department of Health & Human Services, Center for Disease Control & Prevention. ATSDR is involved at a number of PFAS-related sites, either directly or through assisting state and federal partners. As of now, most sites are related to drinking water contamination connected with PFAS production facilities or fire training areas where aqueous film-forming firefighting foam (AFFF) was regularly used.

Date of Government Version: 06/24/2020 Date Data Arrived at EDR: 03/17/2021 Date Made Active in Reports: 11/08/2022

Number of Days to Update: 601

Source: Department of Health & Human Services

Telephone: 202-741-5770 Last EDR Contact: 01/23/2023

Next Scheduled EDR Contact: 05/08/2023 Data Release Frequency: Varies

#### PFAS WQP: Ambient Environmental Sampling for PFAS

The Water Quality Portal (WQP) is a part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations and individuals submit project details and sampling results to this public repository. The information is commonly used for research and assessments of environmental quality.

Date of Government Version: 01/03/2022 Date Data Arrived at EDR: 03/31/2022 Date Made Active in Reports: 11/08/2022

Number of Days to Update: 222

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 03/30/2023

Next Scheduled EDR Contact: 07/17/2023 Data Release Frequency: Varies

PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits.

Date of Government Version: 01/03/2022 Date Data Arrived at EDR: 03/31/2022 Date Made Active in Reports: 11/08/2022

Number of Days to Update: 222

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 03/30/2023

Next Scheduled EDR Contact: 07/17/2023

Data Release Frequency: Varies

PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

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

Date of Government Version: 03/30/2023 Date Data Arrived at EDR: 03/30/2023 Date Made Active in Reports: 04/03/2023

Number of Days to Update: 4

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 03/30/2023

Next Scheduled EDR Contact: 07/17/2023 Data Release Frequency: Varies

PFAS ECHO FIRE TRAINING: Facilities in Industries that May Be Handling PFAS Listing

A list of fire training sites was added to the Industry Sectors dataset using a keyword search on the permitted facilitys name to identify sites where fire-fighting foam may have been used in training exercises. Additionally, you may view an example spreadsheet of the subset of fire training facility data, as well as the keywords used in selecting or deselecting a facility for the subset. as well as the keywords used in selecting or deselecting a facility for the subset. These keywords were tested to maximize accuracy in selecting facilities that may use fire-fighting foam in training exercises, however, due to the lack of a required reporting field in the data systems for designating fire training sites, this methodology may not identify all fire training sites or may potentially misidentify them.

Date of Government Version: 03/30/2023 Date Data Arrived at EDR: 03/30/2023 Date Made Active in Reports: 04/03/2023

Number of Days to Update: 4

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 03/30/2023

Next Scheduled EDR Contact: 07/17/2023

Data Release Frequency: Varies

PFAS PART 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

Since July 1, 2006, all certified part 139 airports are required to have fire-fighting foam onsite that meet military specifications (MIL-F-24385) (14 CFR 139.317). To date, these military specification fire-fighting foams are fluorinated and have been historically used for training and extinguishing. The 2018 FAA Reauthorization Act has a provision stating that no later than October 2021, FAA shall not require the use of fluorinated AFFF. This provision does not prohibit the use of fluorinated AFFF at Part 139 civilian airports; it only prohibits FAA from mandating its use. The Federal Aviation Administration?s document AC 150/5210-6D - Aircraft Fire Extinguishing Agents provides guidance on Aircraft Fire Extinguishing Agents, which includes Aqueous Film Forming Foam (AFFF).

Date of Government Version: 03/30/2023 Date Data Arrived at EDR: 03/30/2023 Date Made Active in Reports: 04/03/2023

Number of Days to Update: 4

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 03/30/2023

Next Scheduled EDR Contact: 07/17/2023

AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

Date of Government Version: 01/02/2023 Date Data Arrived at EDR: 01/05/2023 Date Made Active in Reports: 04/03/2023

Number of Days to Update: 88

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 03/30/2023

Next Scheduled EDR Contact: 07/17/2023 Data Release Frequency: Varies

PFAS: PFAS Detections Site Listing

The presence of PFAS contamination at locations, including water treatment plants.

Date of Government Version: 12/01/2022 Date Data Arrived at EDR: 12/01/2022 Date Made Active in Reports: 02/22/2023

Number of Days to Update: 83

Source: Department of Environmental Protection

Telephone: 502-564-3410 Last EDR Contact: 03/02/2023

Next Scheduled EDR Contact: 06/19/2023 Data Release Frequency: Varies

AIRS: Permitted Airs Facility Listing
A listing of permitted Airs facilities.

Date of Government Version: 02/16/2023 Date Data Arrived at EDR: 02/16/2023 Date Made Active in Reports: 03/16/2023

Number of Days to Update: 28

Source: Department of Environmental Protection

Telephone: 502-573-3382 Last EDR Contact: 01/23/2023

Next Scheduled EDR Contact: 05/08/2023 Data Release Frequency: Semi-Annually

ASBESTOS: Asbestos Notification Listing Asbestos sites

> Date of Government Version: 12/20/2022 Date Data Arrived at EDR: 12/20/2022 Date Made Active in Reports: 03/15/2023

Number of Days to Update: 85

Source: Department of Environmental Protection

Telephone: 502-782-6780 Last EDR Contact: 02/23/2023

Next Scheduled EDR Contact: 06/12/2023

Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Sites
A listing of coal ash pond site locations.

Date of Government Version: 08/25/2022 Date Data Arrived at EDR: 10/24/2022 Date Made Active in Reports: 01/12/2023

Number of Days to Update: 80

Source: Department of Environmental Protection

Telephone: 502-564-6716 Last EDR Contact: 01/24/2023

Next Scheduled EDR Contact: 05/08/2023 Data Release Frequency: No Update Planned

DRYCLEANERS: Drycleaner Listing
A listing of drycleaner facility locations.

Date of Government Version: 02/16/2023 Date Data Arrived at EDR: 02/16/2023 Date Made Active in Reports: 02/27/2023

Number of Days to Update: 11

Source: Department of Environmental Protection

Telephone: 502-573-3382 Last EDR Contact: 01/23/2023

Next Scheduled EDR Contact: 05/08/2023 Data Release Frequency: Semi-Annually

Financial Assurance 1: Financial Assurance Information Listing

A listing of financial assurance information.

Date of Government Version: 11/14/2022 Date Data Arrived at EDR: 11/16/2022 Date Made Active in Reports: 02/03/2023

Number of Days to Update: 79

Source: Department of Environmental Protection

Telephone: 502-564-6716 Last EDR Contact: 01/23/2023

Next Scheduled EDR Contact: 05/08/2023 Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

Financial Assurance information for underground storage tank 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: 05/14/2014 Date Data Arrived at EDR: 06/06/2014 Date Made Active in Reports: 06/24/2014

Number of Days to Update: 18

Source: Department of Environmental Protection

Telephone: 502-564-5981 Last EDR Contact: 01/20/2023

Next Scheduled EDR Contact: 05/08/2023 Data Release Frequency: Varies

Financial Assurance 3: Financial Assurance Information Listing

A listing of 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: 11/14/2022 Date Data Arrived at EDR: 11/16/2022 Date Made Active in Reports: 02/03/2023

Number of Days to Update: 79

Source: Department of Environmental Protection

Telephone: 502-564-6716 Last EDR Contact: 01/23/2023

Next Scheduled EDR Contact: 05/08/2023

Data Release Frequency: Varies

LEAD: Environmental Lead Program Report Tracking Database

Lead Report Tracking Database

Date of Government Version: 01/27/2017 Date Data Arrived at EDR: 02/02/2017 Date Made Active in Reports: 08/21/2017

Number of Days to Update: 200

Source: Department of Public Health

Telephone: 502-564-4537 Last EDR Contact: 01/30/2023

Next Scheduled EDR Contact: 05/15/2023

Data Release Frequency: Varies

NPDES: Permitted Facility Listing

A listing of permitted wastewater facilities.

Date of Government Version: 02/21/2023 Date Data Arrived at EDR: 02/23/2023 Date Made Active in Reports: 02/27/2023

Number of Days to Update: 4

Source: Department of Environmental Protection

Telephone: 502-564-3410 Last EDR Contact: 01/30/2023

Next Scheduled EDR Contact: 05/15/2023 Data Release Frequency: Semi-Annually

UIC: UIC Information

A listing of wells identified as underground injection wells, in the Kentucky Oil & Gas Wells data base.

Date of Government Version: 12/01/2022 Date Data Arrived at EDR: 01/10/2023 Date Made Active in Reports: 03/29/2023

Number of Days to Update: 78

Source: Kentucky Geological Survey Telephone: 859-323-0544 Last EDR Contact: 01/10/2023

Next Scheduled EDR Contact: 04/24/2023 Data Release Frequency: Quarterly

PCS ENF: Enforcement data

No description is available for this data

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

Number of Days to Update: 29

Source: EPA

Telephone: 202-564-2497 Last EDR Contact: 03/30/2023

Next Scheduled EDR Contact: 07/17/2023 Data Release Frequency: Varies

PFAS TRIS: List of PFAS Added to the TRI

Section 7321 of the National Defense Authorization Act for Fiscal Year 2020 (NDAA) immediately added certain per- and polyfluoroalkyl substances (PFAS) to the list of chemicals covered by the Toxics Release Inventory (TRI) under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) and provided a framework for additional PFAS to be added to TRI on an annual basis.

Date of Government Version: 03/07/2023 Date Data Arrived at EDR: 03/07/2023 Date Made Active in Reports: 03/24/2023

Number of Days to Update: 17

Source: Environmental Protection Agency

Telephone: 202-566-0250 Last EDR Contact: 03/30/2023

Next Scheduled EDR Contact: 07/17/2023 Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 08/23/2022 Date Data Arrived at EDR: 11/22/2022 Date Made Active in Reports: 02/28/2023

Number of Days to Update: 98

Source: USGS

Telephone: 703-648-6533 Last EDR Contact: 02/24/2023

Next Scheduled EDR Contact: 06/05/2023 Data Release Frequency: Varies

PCS INACTIVE: Listing of Inactive PCS Permits

An inactive permit is a facility that has shut down or is no longer discharging.

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

Number of Days to Update: 120

Source: EPA

Telephone: 202-564-2496 Last EDR Contact: 03/30/2023

Next Scheduled EDR Contact: 07/17/2023 Data Release Frequency: Semi-Annually

PCS: Permit Compliance System

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

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

Number of Days to Update: 55

Source: EPA, Office of Water Telephone: 202-564-2496 Last EDR Contact: 03/30/2023

Next Scheduled EDR Contact: 07/17/2023 Data Release Frequency: Semi-Annually

#### **EDR HIGH RISK HISTORICAL RECORDS**

#### **EDR Exclusive Records**

EDR MGP: EDR Proprietary Manufactured Gas Plants

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

Source: EDR, Inc.

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

Telephone: N/A Last EDR Contact: N/A Number of Days to Update: N/A

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

#### EDR Hist Auto: EDR Exclusive Historical Auto Stations

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

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

Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

#### EDR Hist Cleaner: EDR Exclusive Historical Cleaners

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

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

Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

#### **EDR RECOVERED GOVERNMENT ARCHIVES**

#### Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists.

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013 Date Made Active in Reports: 01/03/2014 Number of Days to Update: 186

Source: Department of Environmental Protection

Telephone: N/A

Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

### RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists.

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013 Date Made Active in Reports: 01/15/2014 Number of Days to Update: 198

Source: Department of Environmental Protection

Telephone: N/A

Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

#### OTHER DATABASE(S)

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

CT MANIFEST: Hazardous Waste Manifest Data

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

Date of Government Version: 11/16/2022 Date Data Arrived at EDR: 11/16/2022 Date Made Active in Reports: 02/06/2023

Number of Days to Update: 82

Source: Department of Energy & Environmental Protection

Telephone: 860-424-3375 Last EDR Contact: 02/10/2023

Next Scheduled EDR Contact: 05/22/2023 Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018 Date Data Arrived at EDR: 04/10/2019 Date Made Active in Reports: 05/16/2019

Number of Days to Update: 36

Source: Department of Environmental Protection

Telephone: N/A

Last EDR Contact: 03/30/2023

Next Scheduled EDR Contact: 07/17/2023 Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

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

facility.

Date of Government Version: 01/01/2019 Date Data Arrived at EDR: 10/29/2021 Date Made Active in Reports: 01/19/2022

Number of Days to Update: 82

Source: Department of Environmental Conservation

Telephone: 518-402-8651 Last EDR Contact: 01/27/2023

Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

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

Number of Days to Update: 53

Source: Department of Environmental Protection

Telephone: 717-783-8990 Last EDR Contact: 01/06/2023

Next Scheduled EDR Contact: 04/24/2023 Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2020 Date Data Arrived at EDR: 11/30/2021 Date Made Active in Reports: 02/18/2022

Number of Days to Update: 80

Source: Department of Environmental Management

Telephone: 401-222-2797 Last EDR Contact: 02/13/2022

Next Scheduled EDR Contact: 05/29/2023 Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

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

Number of Days to Update: 76

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 03/06/2023

Next Scheduled EDR Contact: 06/19/2023 Data Release Frequency: Annually

#### Oil/Gas Pipelines

Source: Endeavor Business Media

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

Electric Power Transmission Line Data

Source: Endeavor Business Media

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

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

#### AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

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

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services,

a federal agency within the U.S. Department of Health and Human Services.

#### **Nursing Homes**

Source: National Institutes of Health

Telephone: 301-594-6248

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

#### Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary

and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

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

Daycare Centers: Certified Child Care Homes Source: Cabinet for Families & Children

Telephone: 502-564-7130

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

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Environmental & Public Protection Cabinet

Telephone: 502-564-6736

Current USGS 7.5 Minute Topographic Map Source: U.S. Geological Survey

#### STREET AND ADDRESS INFORMATION

© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

## **GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM**

#### **TARGET PROPERTY ADDRESS**

MANTLE ROCK SOLAR CARRSVILLE ROAD HAMPTON, KY 42047

#### **TARGET PROPERTY COORDINATES**

Latitude (North): 37.314124 - 37° 18' 50.85" Longitude (West): 88.389247 - 88° 23' 21.29"

Universal Tranverse Mercator: Zone 16 UTM X (Meters): 376894.4 UTM Y (Meters): 4130421.0

Elevation: 595 ft. above sea level

#### **USGS TOPOGRAPHIC MAP**

Target Property Map: 11081483 GOLCONDA, IL

Version Date: 2018

East Map: 13011309 LOLA, KY

Version Date: 2019

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

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

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

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

#### **GROUNDWATER FLOW DIRECTION INFORMATION**

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

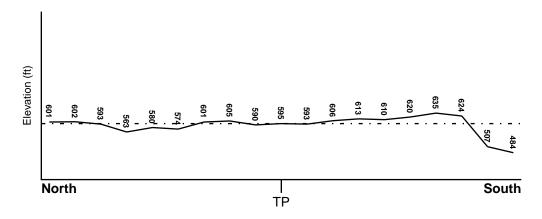
#### **TOPOGRAPHIC INFORMATION**

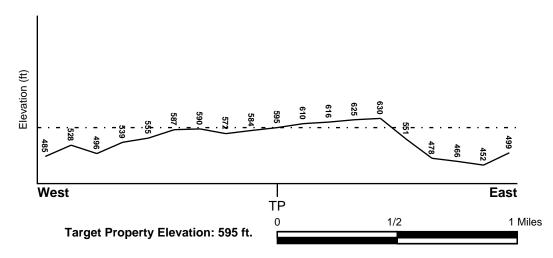
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient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

#### TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General 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.

#### **HYDROLOGIC INFORMATION**

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

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

#### **FEMA FLOOD ZONE**

Flood Plain Panel at Target Property FEMA Source Type

21139C0085C FEMA FIRM Flood data

Additional Panels in search area: FEMA Source Type

21055C0200C FEMA FIRM Flood data 21139C0095C FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property Data Coverage

GOLCONDA YES - refer to the Overview Map and Detail Map

#### HYDROGEOLOGIC INFORMATION

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

#### **AQUIFLOW®**

Search Radius: 1.000 Mile.

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

LOCATION GENERAL DIRECTION

MAP ID FROM TP GROUNDWATER FLOW

Not Reported

#### **GROUNDWATER FLOW VELOCITY INFORMATION**

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

#### GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

#### **ROCK STRATIGRAPHIC UNIT**

## **GEOLOGIC AGE IDENTIFICATION**

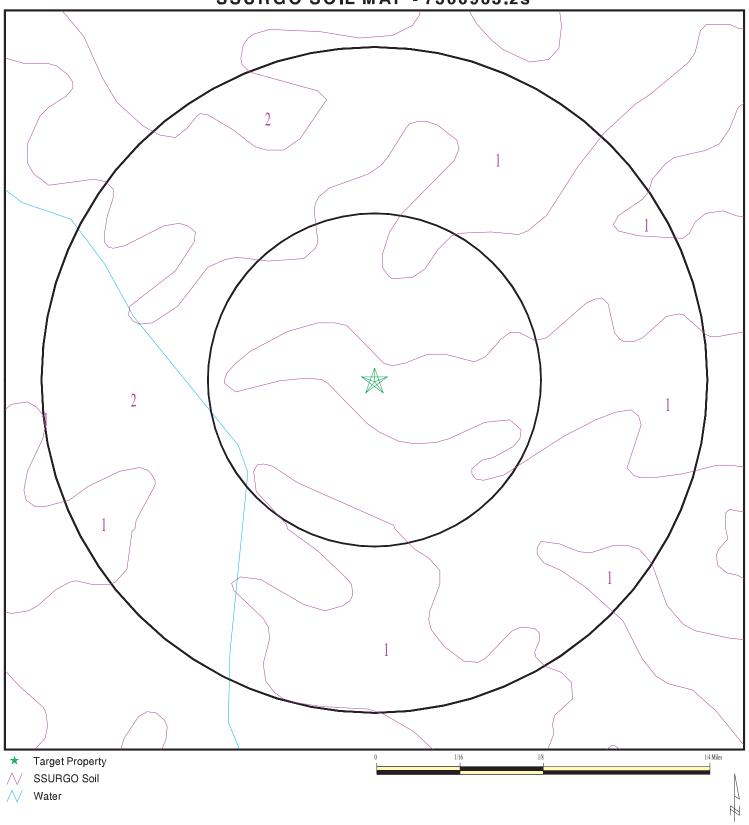
Era: Paleozoic Category: Stratified Sequence

System: Mississippian
Series: Chesterian Series

Code: M3 (decoded above as Era, System & Series)

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

## **SSURGO SOIL MAP - 7300963.2s**



SITE NAME: Mantle Rock Solar ADDRESS: Carrsville Road

Hampton KY 42047 37.314124 / 88.389247 LAT/LONG:

Linebach Funkhouser Inc.

CLIENT: Linebach Funk CONTACT: Jason Boston INQUIRY#: 7300963.2s

DATE: April 06, 2023 1:40 pm

#### DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

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

Soil Map ID: 1

Soil Component Name: Loring

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward

movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 58 inches

			Soil Layer	r Information			
	Boundary			Classification		Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
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%), Lean Clay	Max: 14.11 Min: 1.41	Max: 6.5 Min: 4.5
2	9 inches	25 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: 14.11 Min: 1.41	Max: 6.5 Min: 4.5
3	25 inches	55 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: 14.11 Min: 1.41	Max: 6.5 Min: 4.5
4	55 inches	64 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: 14.11 Min: 1.41	Max: 6.5 Min: 4.5

Soil Map ID: 2

Soil Component Name: Zanesville

Soil Surface Texture: silt loam

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

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 38 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
1	0 inches	5 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: 14.11 Min: 1.41	Max: 6 Min: 4.5
2	5 inches	18 inches	silty 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: 14.11 Min: 1.41	Max: 6 Min: 4.5
3	18 inches	29 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: 14.11 Min: 1.41	Max: 6 Min: 4.5
4	29 inches	68 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: 14.11 Min: 1.41	Max: 6 Min: 4.5

#### **LOCAL / REGIONAL WATER AGENCY RECORDS**

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

#### WELL SEARCH DISTANCE INFORMATION

DATABASE SEARCH DISTANCE (miles)

Federal USGS 1.000

Federal FRDS PWS Nearest PWS within 1 mile

State Database 1.000

FEDERAL USGS WELL INFORMATION

LOCATION

MAP ID WELL ID FROM TP

1 USGS40000381328 1/2 - 1 Mile SSE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

LOCATION

MAP ID WELL ID FROM TP

No PWS System Found

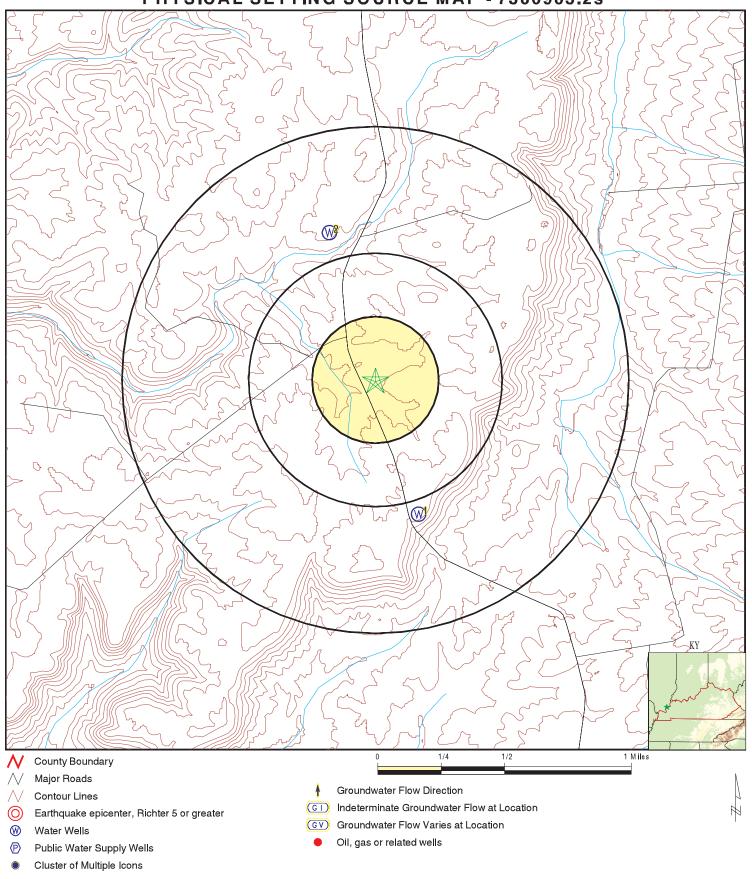
Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

LOCATION MAP ID WELL ID FROM TP

2 KY7000000047247 1/2 - 1 Mile NNW

## PHYSICAL SETTING SOURCE MAP - 7300963.2s



SITE NAME: Mantle Rock Solar ADDRESS: Carrsville Road CLIENT: Linebach Funkhouser Inc. CONTACT: Jason Boston

Hampton KY 42047 LAT/LONG: 37.314124 / 88.389247 INQUIRY #: 7300963.2s DATE: April 06, 2023 1:39 pm

## **GEOCHECK®-PHYSICAL SETTING SOURCE MAP FINDINGS**

Map ID Direction Distance

Elevation Database EDR ID Number

SSE 1/2 - 1 Mile FED USGS USGS40000381328

1/2 - 1 Mile Higher

Organization ID: USGS-KY Organization Name: USGS Kentucky Water Science Center

Monitor Location: H06C0002 Type: Well

Description:Not ReportedHÜC:Not ReportedDrainage Area:Not ReportedDrainage Area Units:Not ReportedContrib Drainage Area:Not ReportedContrib Drainage Area Units:Not Reported

Aquifer: Not Reported

Formation Type: Golconda Formation (Big Lime of W Ky)

Aquifer Type:Not ReportedConstruction Date:1947Well Depth:65.9Well Depth Units:ftWell Hole Depth:90Well Hole Depth Units:ft

Ground water levels, Number of Measurements: 1 Level reading date: 1954-10-20 Feet below surface: 42.01 Feet to sea level: Not Reported

Note: Not Reported

2

2 NNW KY WELLS KY700000047247 1/2 - 1 Mile Lower

AKGWA ID:30010771Well Type:Water WellWell Status:Not ReportedAlt ID:Not ReportedPWS ID:Not ReportedWell Name:Not Reported

Surface Elevation: 0 Usage: Domestic - Single Household

Total Depth: 75 Depth to Bedrock:

End Date: Not Reported

# GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

Federal EPA Radon Zone for LIVINGSTON County: 2

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for LIVINGSTON COUNTY, KY

Number of sites tested: 2

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.300 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	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, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Environmental & Public Protection Cabinet

Telephone: 502-564-6736

#### **HYDROGEOLOGIC INFORMATION**

AQUIFLOW<sup>R</sup> 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

Kentucky Water Well Records Database Source: Kentucky Geological Survey

Telephone: 859-257-5500

Water Wells in Kentucky. Data from the Kentucky Ground Water Data Repository.

#### OTHER STATE DATABASE INFORMATION

Oil and Gas Well Locations

Source: Kentucky Geological Survey

Telephone: 859-257-5500

Oil and gas well locations in the state of Kentucky

#### RADON

State Database: KY Radon

Source: Department of Public Health

Telephone: 502-564-4856 Radon Test Results

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

© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.