

Exhibit B

Phase I Environmental Site Assessment



Phase I Environmental Site Assessment

Fleming Solar Project
Fleming County, Kentucky
April 2021



Phase I ESA
Fleming Solar Project

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April 16, 2021

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1.0 Executive Summary

Energy Renewal Partners, LLC (ERP) was contracted by Fleming Solar, LLC, on behalf of Core Solar LLC (Core), to perform a Phase I Environmental Site Assessment (ESA) of the Fleming Solar Project (the “Site” or “subject property”). The Site consists of approximately 831 acres in unincorporated Fleming County, Kentucky, located less than one (1) mile northwest of the city of Flemingsburg (Figure 1).

The purpose of the Phase I ESA was to determine the presence of Recognized Environmental Conditions (RECs), Historical RECs (HRECs), Controlled RECs (CRECs), and any *de minimis* conditions on the subject property, based on available information. As defined in ASTM E2247-16:

- A REC is the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment.
- A HREC is a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (e.g., property use restrictions, activity and use limitations (AULs), institutional controls, or engineering controls). Before calling the past release an HREC, the environmental professional (EP) must determine whether the past release is a REC at the time the Phase I ESA is conducted (e.g., if there has been a change in the regulatory criteria).
- A CREC is a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (e.g., as evidenced by the issuance of a no further action (NFA) 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, AULs, institutional controls, or engineering controls).
- A *de minimis* condition is a condition 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.

The Phase I ESA was conducted in accordance with ASTM E2247-16. The environmental site assessment was conducted under the supervision or responsible charge of an individual that qualifies as an environmental professional, as defined in 40 CFR §312.10.

1.1 Findings and Opinions

The subject property consists of agricultural and rural single-family residential land-uses. Landcover is primarily farmland used for row crops and cattle farming. Various farm buildings including sheds, barns, and hay storage tarps are located within the subject property. Five (5) residential structures are located onsite; three (3) are currently occupied, one (1) is unoccupied, and one (1) is abandoned. There are

multiple unpaved farm access roads throughout the subject property. An existing electrical transmission line bisects the western portion of the Site, and two (2) electrical distribution lines bisect the central portion. In addition, several surface water ponds and streams are located onsite. There are forested portions on the Site, including scrub-shrub vegetation, that are primarily located along surface water features as well as property boundaries and fence lines. Evidence of the abandoned and dismantled Flemingsburg and Northern Railroad line is found on the Site based on observed graded berms and information provided during interviews. The Site is generally bound by the Kentucky Route 11 (KY 11, also known as Maysville Road) along the northeastern boundary and Kentucky Route (KY) 559 (also known as Convict Pike or Convict Hill Road) along the southern boundary. KY 1200 (also known as Helena Road) bisects the central portion of the Site, oriented southeast to northwest.

A Standard Environmental Records (SER) search was provided by Environmental Data Resources, Inc. (EDR) to determine if the subject property or properties within ASTM specified search radiuses are listed on the state and federal environmental regulatory agency databases. The database search revealed one (1) listing outside of the project boundary that was within the inquired search. This listing is not considered a REC for the subject property.

Orphan Sites are listings that cannot be adequately mapped due to inaccurate or incomplete address information. The database report identified two (2) Orphan Site listings on or near the subject property. These listings are not considered to be RECs for the Site.

A majority of the Site has been used for agricultural purposes for several decades for crop cultivation, including corn and soybeans. This has likely included the use of pesticides and herbicides and has likely included the use of fertilizers. Property owners indicated that when pesticides and herbicides are used, they are handled and applied in accordance with manufacturer recommendations and industry best practices. No pesticides or herbicides are stored or disposed on the subject property. Historic agricultural practices indicate no spills, or the inappropriate use of agricultural chemicals based on manufacturers' labeling requirements and industry best practices were identified in the record. It is possible that impacts to local or regional groundwater aquifers may have occurred from historic agricultural chemical usage; however, it is not possible to determine if groundwater impacts are present without sampling.

ERP was provided information by Core and through landowner interviews of recorded use of biosolids historically onsite. ERP obtained information from both landowner interviews and supporting documentation from a Freedom of Information Act (FOIA) request for records with the Kentucky Department of Waste Management pertaining to the recorded use of biosolids at the subject property. Biosolids are treated waste material from wastewater treatment facilities that can be used to improve soil agricultural productivity. Based on the information obtained, this historic land use does not constitute a REC to the subject property.

1.2 Conclusions

ERP performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E2247-16 for the proposed Fleming Solar Project. Any exceptions to, or deletions from, this practice are described in Section 2.4 of this report.



As documented and qualified in this report, this Phase I ESA has not revealed evidence of RECs in connection with the subject property.

2.0 Introduction

2.1 Purpose and Reason for Performing Phase I Environmental Site Assessment

The purpose of the Phase I ESA was to:

- Identify potential environmental impacts to the surface water, groundwater and/or soils within the property boundaries through a review of environmental regulatory records and a reconnaissance of the subject site and vicinity;
- Evaluate historical documents to identify previous conditions that could potentially impact the environmental condition of the Site;
- Conduct interviews with knowledgeable personnel to obtain information that could indicate potential environmental impacts in connection with the Site;
- Evaluate the potential for on-site and off-site contamination;
- Provide a professional opinion regarding the potential for environmental impact at the Site, and a list of recognized environmental conditions; and
- Conduct all appropriate inquiry as defined by ASTM E2247-16, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process for Forestland or Rural Property.

The reason for the ESA is to provide an assessment of potential environmental liabilities which may exist due to conditions present on the subject property.

2.2 Scope of Work

ERP was contracted by Fleming Solar, LLC to perform a Phase I ESA of the Site, which consists of approximately 831 acres in unincorporated Fleming County, Kentucky, located less than one (1) mile northwest of the city of Flemingsburg.

The Phase I ESA was conducted in general accordance with ASTM E2247-16. The Phase I ESA was conducted under the supervision or responsible charge of an individual that qualifies as an environmental professional, as defined in 40 CFR §312.10.

2.3 Significant Assumptions

It was assumed that the information sources utilized for this investigation provided complete and accurate information. Evaluations presented in this report are based exclusively on information provided by the site representative, local agency personnel, available public records, and observations made during site reconnaissance. No quantitative field activities were conducted, and no laboratory analyses were performed.

Information provided, including detailed descriptions showing the limits or boundaries of the subject property, have been taken as true and accurate representations and were not independently verified. The limits of the property subject to this assessment were described by site personnel and publicly available information and accepted as true representations regarding where the property boundaries were located.

2.4 Limitations and Exceptions

This Phase I ESA is limited in nature and should not be construed to be a characterization of environmental regulatory compliance, or of conditions above or below grade. The Phase I ESA was performed focusing on hazardous materials and petroleum usage, storage, and disposal areas.

The Phase I ESA evaluations presented in this report are based on information provided by site personnel, available site records, state file records, readily accessible historical documents, and observations made during the site reconnaissance. In preparing this report, the information provided by site personnel was accepted as true on current and historical operations of the facility. The author warrants that the services performed were conducted in a competent and professional manner, in accordance with sound consulting practices and procedures. The author cannot warrant the actual site conditions described in this report beyond matters amenable to visual confirmation within the limits of this site assessment program. The author makes no express or implied representation or warranty that this document, or the information contained herein, is fit for a particular purpose, nor does the author make any representation or warranty regarding the accuracy or reliability of information or documents provided by other parties that are contained or relied on herein. This document and the information, findings, opinions, and recommendations herein have been prepared for the benefit only of Fleming Solar LLC, and no third party is intended as a beneficiary or intended to rely on this document or the information herein unless otherwise expressly stated in writing by the author.

Data gaps encountered during this assessment are described in Section 8.0 of this report.

2.5 Special Terms and Conditions

No special terms or conditions were imposed on this Phase I ESA.

2.6 Reliance

There are no third-party rights or benefits conferred under this report, unless otherwise expressly authorized by the author. Any use of the content of this report by any third party is at the sole risk of that party.

2.7 Deviations

There were no deletions or deviations from the ASTM E2247-16 Phase I Environmental Site Assessment Process for Forestland or Rural Property.

3.0 Site Location and Description

3.1 Site Description and Legal Description

The Site primarily consists of farmland used for row crops and cattle farming and rural single-family residential homes. Various farm buildings including a machine shop, barns, and hoop sheds are located within the subject property. Five (5) residential structures are located onsite. There are multiple unpaved farm access roads throughout the subject property. In addition, there are several surface-water ponds and drainage features throughout the Site. Forested areas within the Site, including scrub-shrub vegetation, are primarily located along surface water features as well as property boundaries and fence lines (Figure 2).

ERP was not provided with copies of the deeds for the property by Core; in addition, deeds were not available from Fleming County as of the date of this report. According to the Fleming County Property Valuation Administrator's Office (PVA) website, the subject properties are located on approximately 831 acres identified by Fleming County Property Identification Numbers (PIN) 030-00-00-016.00, 038-00-00-002.00, and a portion of 038-00-00-003.00 owned by John Sayre and Tonia Thompson Sayre; Fleming County PIN 030-00-00-017.00, 030-00-00-017.01, and 030-00-00-019.00 owned by Fleming Farms, LLC; Fleming County PIN 030-00-00-013.0 owned by William Dale Hord; a portion of Fleming County PIN 030-00-00-021.00 owned by John and Marjorie Shank; a portion of Fleming County PIN 038-00-00-003.00 owned by Graham Holdings LLC; and a portion of Fleming County PIN 030-00-00-011.00 owned by Sunrise Dairy LLC (Figure 4). Copies of the tax cards were not available, however, the publicly available property information is included in Appendix A.

3.2 Physical Setting and Hydrogeology

3.2.1 Topography

ERP reviewed the current United States Geological Survey (USGS) topographic map for the Site (*Elizaville, and Flemingsburg, KY* Quadrangles). The eastern portion of the Site slopes towards the southeast while the western portion of the Site slopes north. The average elevation of the Site is approximately 960 feet above mean sea level (AMSL) with an elevation variation of approximately 100 feet across the Site. The highest elevation of approximately 980 feet AMSL is found in the center portion of the subject property, and the lowest elevation of approximately 880 feet AMSL is found in the southeast corner of the Site.

3.2.2 Hydrogeology

In general, movement of shallow unconfined groundwater, if present, will be controlled largely by topographic gradients. As such, if shallow groundwater is present onsite, it is anticipated to follow onsite crevations and flow to the north on the western portion of the Site and to the southeast on the eastern portion of the Site. Actual Site groundwater flow direction and water table depth cannot be determined without site-specific groundwater information determined through the installation of groundwater monitoring wells.

3.2.3 Geology

A review of data provided by the USGS shows the subject property is underlain by Bull Fork Formation, Ashlock Formation, Grant Lake and Calloway Creek Limestones, and Fairview Formation, undivided (Figure 3). The Bull Fork Formation covers a majority of the Site and is comprised primarily of sedimentary carbonate such as limestones and shale. The southeast corner of the Site is underlain by the Ashlock Formation, Grant Lake and Calloway Creek Limestones, and Fairview Formation, undivided, and is comprised primarily of limestones with smaller inclusions of shale and siltstone.

3.2.4 Soils

Based on a review of the U.S. Department of Agriculture’s (USDA) Natural Resources Conservation Service Soils database, the soils on the Site are generally classified as silty loams and consist of the following soil types:

Table 1: Subject Property Soils

Map Unit Name	Percent of Site
Lowell-Faywood silt loams, 6 to 12 percent slopes	45
Lowell-Sandview silt loams, 2 to 6 percent slopes	31
Lowell-Faywood silt loams, 6 to 12 percent slopes	8
Faywood silt loam, 2 to 6 percent slopes	6
Cynthiana-Faywood complex, very rocky, 12 to 35 percent slopes, eroded	4
Nolin silt loam, 0 to 3 percent slopes, occasionally flooded	3
Cynthiana-Faywood complex, 6 to 12 percent slopes, eroded	1
Boonesboro silt loam, frequently flooded	<1
Sandview silt loam, 2 to 6 percent slopes	<1
Total	100

3.3 Current Use and Description of the Site

The Site primarily consists of farmland used for row crops and cattle farming and rural single-family residential homes. There are multiple unpaved farm access roads throughout the subject property. In addition, there are several ponds and drainage features throughout the Site. There are forested portions on the Site, including scrub-shrub vegetation, that are primarily located along surface water features as well as property boundaries and fence lines. Evidence of the abandoned and dismantled Flemingsburg and Northern Railroad line is found on the Site based on observed graded berms and information provided during interviews. The Flemingsburg to Spurlock 138-kilovolt (kV) transmission line crosses the western portion of the Site, and an electric distribution line crosses the central portion towards the city of Flemingsburg. Five (5) residential structures are located onsite. Various farm buildings including a machine shop, barns, and a hoop shed are located within the subject property. The location of existing onsite structures depicted on Figure 2 corresponds by Feature ID in Table 2, below.

Table 2: Onsite Feature Summary

Feature ID	Feature Type	Feature Description
1	Barn	Wooden barn built prior to 1947. Used for hay storage.
2	Barn	Empty wooden barn built between 1975 and 1983 with transformer.
3	Single-Family Residence	Two-story single-family residence built prior to 1947. Building is abandoned. Miscellaneous household garbage surrounds area including an empty oxygen tank.
4	Barn	Wooden barn built prior to 1947 open for cattle.
5	Barn	Wooden barn built between 1995 and 2008 used for hay storage.
6	Barn	Empty wooden barn built between 1950 and 1975.
7	Barn	Wooden barn built prior to 1947 used for general storage.
8	Single-Family Residence	Unoccupied single-story single-family residence built prior to 1947 with transformer and water pump.
9	Barn	Wooden barn built prior to 1947 used for temporary equipment storage with transformer.
10	Barn	Empty rundown wooden barn built between 1983 and 1985.
11	Hoop Shed	Aluminum hoop shed built between 1995 and 2008 for storing hay and tractors seasonally.
12	Single-Family Residence	Occupied two-story single-family residence built prior to 1947 with transformer and miscellaneous household items.
13	Machine Shop	Aluminum shed built between 1995 and 2008 with paved floor for seasonal storage and general maintenance of farming equipment. Farming equipment, four (4) empty pressurized containers, and three (3) empty 5-gallon buckets of petroleum based multi-purpose farm equipment lubricant present.
14	Barn	Wooden barn built prior to 1947 open for cattle.
15	Barn	Wooden barn built prior to 1947 open for cattle.
16	Barn	Wooden barn built prior to 1947 and used for general storage.
17	Above Ground Storage Tank	500-gallon Propane Tank.
18	Single-Family Residence	Occupied two-story single-family residence built prior to 1947 with transformer.
19	Miscellaneous Items	Farm equipment and household garbage is in vicinity. Old vehicles, three (3) 2-gallon gasoline cans, and tires are stored in vicinity.
20	Barn	Wooden barn built prior to 1947 and used for general storage.
21	Barn	Wooden barn built between 1975 and 1983.
22	Barn	Sheet metal barn originally built prior to 1947. Miscellaneous items such as tires, tables, water pump, three (3) 55-gallon hydraulic fluid containers, one (1) empty 5-gallon bucket of petroleum based multi-purpose farm equipment lubricant, and household garbage are in vicinity.

Feature ID	Feature Type	Feature Description
23	Single-Family Residence	Occupied single-family residence built prior to 1947.
24	Barn	Wooden barn built prior to 1947.

3.4 Current Uses of the Adjoining Properties

The following is a summary of information for adjacent properties based on information obtained from the desktop review and site visit (Figure 2).

North - The Site is bordered to north by agricultural fields and rural residential areas.

East - The Site is bordered to the east by the Fleming County Golf Association golf course and rural residential development.

South - The Site is bordered to the south by mixed rural development and agricultural fields. An apparent car repair shop or junk yard is adjacent to the southern Site boundary along Old Convict Pike Road. Minor motor oil and antifreeze odors were noted originating from the adjacent property. No observations of leaks, spills, or staining from the adjacent property were observed on the subject property. This offsite observation does not represent a REC or *de minimis* condition of the subject property.

West - The Site is bordered to the west by mixed rural development and agricultural fields.

4.0 User Provided Information

4.1 Title Information

Historic and current deeds for the property were not able to be reviewed for this report. According to the Fleming County PVA public property search web portal, the Site is comprised of 11 parcels. The southwestern and southcentral parcels identified by Fleming County PIN 030-00-00-017.00, 030-00-00-017.01, and 030-00-00-019.00 are owned by Fleming Farms, LLC. Andrew Wood is the current owner and operator of Fleming Farms, LLC. The parcels were previously owned by the Mary Ann McCormack Trust. The western most parcel identified by a portion of Fleming County PIN 030-00-00-021.00 is owned and operated by John and Marjorie Shank. The parcel was previously owned by Timothy and Brenda Perkins. The southeastern and northeastern parcels identified by Fleming County PIN 030-00-00-016.00, 038-00-00-002.00, and a portion of 038-00-00-003.00 are owned and operated by John Sayre and Tonia Thompson Sayre. The parcels were previously owned by the Alice Litton Estate. Within the northeastern project area is a parcel identified as Fleming County PIN 038-00-00-002.01 which is owned and operated by Robert and Amanda Mitchell. This parcel was previously owned by the John and Tonia Sayre who sold a portion of parcel 038-00-00-002.00 to the Mitchell family in 2019. The central northern parcel identified by Fleming County PIN 030-00-00-013.00 is owned and operated by William Dale Hord. The parcel was previously owned by the William T Hord Estate. Partial parcels 030-00-00-011.00 and 038-00-00-003.02 are located along Helena Road in the northeastern project area and are owned and operated by Sunrise Dairy LLC and Graham Holdings LLC, respectively.

4.2 Environmental Liens or Activity and Use Limitations

Mr. Dominic Salinas, Senior Manager of Project Development, with Fleming Solar, LLC, completed the ASTM E2247-16 User Questionnaire (Appendix B). Mr. Salinas indicated that, to the best of his knowledge, he is not aware of environmental liens or activity and land use limitations associated with the subject property.

4.3 Specialized Knowledge

Mr. Salinas indicated that he did not have specialized knowledge related to the subject property.

4.4 Commonly Known or Reasonable Ascertainable Information

Mr. Salinas indicated that he does not have commonly known or reasonable ascertainable information regarding the subject property.

4.5 Valuation Reduction for Environmental Issues

The ASTM Standard states: Reason for Significantly Lower Purchase Price—in a transaction involving the purchase of a parcel of commercial real estate, the user shall consider the relationship of the purchase price of the subject property to the fair market value of the subject property if the subject property was not affected by hazardous substances or petroleum products. The user should try to identify an explanation for a lower price which does not reasonably reflect fair market value if the subject property were not contaminated and make a written record of such explanation. Among the factors to consider will be the information that becomes known to the user pursuant to the Phase I Environmental Site

Assessment. This standard does not require that a real estate appraisal be obtained in order to lease a property.

Mr. Salinas indicated that the property is being leased, and therefore, the value of the property is not applicable.

4.6 Owner, Property Manager, and Occupant Information

According to the County website, the subject property is comprised of 11 parcels. The southwestern and southcentral parcels identified by Fleming County PIN 030-00-00-017.00, 030-00-00-017.01, and 030-00-00-019.00 are owned by Fleming Farms, LLC. Andrew Wood is the current owner and operator of Fleming Farms, LLC. The western most parcel identified by a portion of Fleming County PIN 030-00-00-021.00 is owned and operated by John and Marjorie Shank. The southeastern and northeastern parcels identified by Fleming County PIN 030-00-00-016.00, 038-00-00-002.00, and a portion of 038-00-00-003.00 are owned and operated by John Sayre and Tonia Thompson Sayre. Within the northeastern project area is a parcel identified as Fleming County PIN 038-00-00-002.01 which is owned and operated by Robert and Amanda Mitchell. The central northern parcel identified by Fleming County PIN 030-00-00-013.00 is owned and operated by William Dale Hord. A portion of Fleming County PIN 038-00-00-003.00 owned by Graham Holdings LLC and PIN 030-00-00-011.00 owned and operated by Sunrise Dairy LLC, are located in the central portion of the subject property along Helena Road. Copies of the tax cards were not available, however, the publicly available property information is included in Appendix A.

4.7 Degree of Obviousness

Mr. Salinas indicated that, to the best of his knowledge, there were no obvious signs indicating the presence or likely presence of contamination within the subject property.

5.0 Records Review

5.1 Standard Environmental Record Sources

A SER search was provided by EDR. The purpose of the records review is to obtain and review reasonably ascertainable records that will help identify RECs, CRECs, or HRECs in connection with the subject property. The SER search involves searching a series of databases for facilities located within a specified radius from the subject property. The ASTM standard specifies an approximate minimum search distance (msd) from the subject site for each database. The EDR Report with a complete listing is included in Appendix C.

Based on knowledge of the subject property and the surrounding area, ERP exercised reasonable effort to verify and interpret this data. While this attempt at verification is made with due diligence, ERP cannot guarantee the accuracy of the record search beyond that of information provided by EDR. ERP makes no warranty regarding the accuracy of the EDR database report information.

Results of the search of the various applicable government agencies by EDR resulted in one (1) facility within the msd of the subject property. The facility identified in the EDR Report was listed in the database described below. The following table summarizes the listings identified by the EDR search for the Site and properties located in the respective search radii for the various database searches.

Table 3: EDR Report Summary Table

Database	Search Distance (miles)	Subject Property Listings	Offsite Sites Identified
SHWS	1.0	0	1
TOTAL		0	1

State Hazardous Waste Sites Inventory (SHWS): SHWS records, maintained by the Kentucky Department of Environmental Protection (DEP), are the state’s equivalent to Superfund Enterprise Management System (SEMS), and the database contains a listing of sites which are considered to be a threat to the public health and welfare. These sites may or may not already be listed on the federal SEMS database.

The facilities identified in the EDR Report are discussed below.

Off-Site Listings

- 1. Cheaps Chevrolet-Old-Geo**
714 W. Water Street
Flemingsburg, KY
Distance: 0.847 miles
Direction: East-Southeast
Database listed on: SHWS
Topographic Relationship: Downgradient

The EDR database report for this listing provided minimal information for this location; therefore, ERP requested additional information to better evaluate this listing (Appendix C). Based on a memorandum from the FOIA request, the Division of Waste Management received a phone call on September 25, 1991 informing them of illegal dumping into a farm pond on W. Water Street by Cheap Chevrolet. Upon inspection of the pond, the Division of Waste Management observed that the pond had been filled in; soil samples were obtained, and no pollutants were detected. The incident was investigated further, however, no evidence of pollutants was found. The status is listed as "Non-Incident" with a closer option of "not applicable" issued on September 15, 2000. Based on the regulatory status and the downgradient location, the listing does not represent a REC to the subject property.

5.2 Orphan Summary

Orphan Sites consists of sites currently listed in Federal or State databases that cannot be adequately mapped due to inaccurate or incomplete address information. If street addresses are available, the site locations are checked against the known location of the subject property to determine their relative location to the Site. The EDR Orphan Summary identified a total of two (2) orphan sites with a poor or unconfirmed address that have the potential to be located within the vicinity of the project area. The subject property was not identified on the orphan sites summary list provided by EDR. Based on the limited location data presented in the database report and observations made during the site reconnaissance, no Orphans Sites appear to be within the subject property. The first Orphan Site appears to be an additional call-in complaint associated with the Cheaps Chevrolet Site in 2007. A sheen was observed on Town Branch Creek downgradient and approximately one (1) mile southeast of the Site. The second Orphan Site appears to be a construction or transportation incident with benzene and ignitable waste on Convict Pike Road from the Kentucky Department of Highways. Based on the information provided and reviewed from previous reports, the location of the second Orphan Site has the potential to coincide with the Transportation Cabinet Property listing in the previous report. Based on the regulatory status, these facilities do not represent a REC to the subject property. Details of previous report listings are located within Section 5.3.9 of this report.

5.3 Historical Use Information

5.3.1 Sanborn Fire Insurance Map Review

According to information provided by EDR in October 2019, owner of the Sanborn® Fire Insurance Company (Sanborn) Maps publication rights, Sanborn did not provide fire insurance coverage to the

subject property. Consequently, maps depicting the subject property are not available in the EDR collection. See Appendix A for a copy of EDR's Sanborn "No Coverage" statement.

5.3.2 Aerial Photograph Review

ERP reviewed aerial photographs of the Site and adjacent properties for evidence of former usage which may constitute a potential for environmental concern. The aerial photographs were obtained from EDR in October 2019 as a part of the initial Phase I ESA. The aerial photographs reviewed were dated 1947, 1950, 1975, 1983, 1985, 1990, 1995, 2008, 2010, 2012, and 2016 (Appendix A). Observations from the review of the aerial photographs are summarized as follows:

- 1947-1975: The subject property is primarily agricultural land. The Flemingsburg and Northern Railway is located within the central portion of the Site from northwest to southeast. Nine (9) barns are scattered throughout the southern, eastern, and central portions of the subject property. Five (5) single-family residences are located in the southern, central, and northeastern portion of the subject property. Two (2) ponds are visible within the subject property; one (1) is located within the southwestern portion of the subject property, and the other is the western portion of the northern section of the subject property. Trees are limited to fence rows and one (1) forested area in the northwest corner of the Site. The surrounding development in all cardinal directions is similar to that of the subject property and is comprised primarily of agricultural land with mixed rural residential development.
- 1983-1990: Trees are visible along the Flemingsburg and Northern Railway indicating that the railroad is likely no longer in use. Ten (10) ponds are now present within the subject property including three (3) in the southern portion, one (1) in the eastern portion, one (1) in the central portion, and one (1) in the northern portion of the subject property. The forested area in the northwest corner of the Site is partially cleared and row crops were planted. Three (3) additional barns are observable in the southeastern and northeastern portion of the subject property. The surrounding land use remains primarily agricultural land with rural residential development.
- 1995: An additional barn is located in the eastern portion of the subject property. Vegetative cover has increased along the historic railway.
- 2008-2016: One (1) electrical transmission line is visible in the western portion of the subject property and two (2) electrical distribution lines are visible in the central portions of the subject property. An increase in density of rural development in the surrounding area is apparent to areas north and east of the subject property. Water traps for the neighboring golf course are also visible.

5.3.3 City Directory Review

ERP requested City Directory information for the subject property from EDR in October 2019 as a part of the initial Phase I ESA. The EDR City Directory Report provided information for 1992, 1995, 2000, 2005, 2010, and 2014 from the EDR Digital Archive (Appendix A). Roadways searched include State Highway 559 (Convict Pike), State Highway 1200 (Helena Road), and W. Water Street (Figure 2). The roadways searched in the directories near the subject property were primarily residential listings with few commercial listings.

As no known releases or other regulatory database listings were identified for these offsite businesses, they do not appear to present a *de minimis* condition or REC of the subject property.

5.3.4 Historical Topographic Map Review

ERP obtained historical topographic maps from EDR in October 2019 as a part of the initial Phase I ESA. The historical topographic maps reviewed were dated 1951, 1952, 1978, 1979, and 2013 (Appendix A).

- 1951-1952: The 1951 and 1952 historical topographic map depicts the Site as primarily undeveloped land with several rural residential structures. The Flemingsburg and Northern Railroad is located within the eastern portion. A stream and two (2) small ponds are shown on the western portion of the Site in a topographic crenulation running south to north. A third pond is located on a ridge in the north-central portion of the Site. Forested patches are along the stream in the northwestern portion of the Site and crenulations in the northeast portion of the Site. A second stream is depicted in the southeastern portion of the subject property along the southern border. Structures are located throughout the surrounding area.
- 1978-1979: The 1978 and 1979 historical topographic map depicts six (6) constructed farm ponds onsite. Additionally, the pond in the southwest corner of the Site is larger than previous years. Some additional structures and unpaved farm roads are depicted in the southern and central portions of the Site. Additional farm ponds and structures are depicted throughout the surrounding area.
- 2013: The 2013 historical topographic map depicts seven (7) ponds as open bodies of water within the subject property, six (6) of which are the same as previously depicted with an additional pond in the western portion along the historic railway. The forested area in the northwest corner of the Site is now depicted linearly along the mapped stream. The Flemingsburg and Northern Railroad is no longer depicted, and a linear forested system and pond, mentioned above, is shown at the top of the crenulation in its place.

5.3.5 Property Tax Files

ERP was not provided with copies of the deeds for the property by Core; in addition, deeds were not available from Fleming County as of the date of this report. According to the County website, the subject property is comprised of 11 parcels. The southwestern and southcentral parcels identified by Fleming County PIN 030-00-00-017.00, 030-00-00-017.01, and 030-00-00-019.00 are owned by Fleming Farms, LLC. Andrew Wood is the current owner and operator of Fleming Farms, LLC. The western most parcel identified by a portion of Fleming County PIN 030-00-00-021.00 is owned and operated by John and Marjorie Shank. The southeastern and northeastern parcels identified by Fleming County PIN 030-00-00-016.00, 038-00-00-002.00, and a portion of 038-00-00-003.00 are owned and operated by John Sayre and Tonia Thompson Sayre. Within the northeastern project area is a parcel identified as Fleming County PIN 038-00-00-002.01 which is owned and operated by Robert and Amanda Mitchell. The central northern parcel identified by Fleming County PIN 030-00-00-013.00 is owned and operated by William Dale Hord. A portion of Fleming County PIN 038-00-00-003.00 owned by Graham Holdings LLC and PIN 030-00-00-011.00 owned and operated by Sunrise Dairy LLC, are located in the central portion of the subject property

along Helena Road. Copies of the tax cards were not available, however, the publicly available property information is included in Appendix A.

5.3.6 Building Department Records

Building department records were not reviewed as part of this assessment.

5.3.7 Zoning/Land Use Records

Zoning records from Fleming County were not available for review.

5.3.8 Local Sources and FOIA Requests

ERP was provided information by Core and through landowner interviews that there was a recorded use of biosolids historically onsite. ERP obtained information from both landowner interviews and supporting documentation from a FOIA request for records with the Kentucky Department of Waste Management pertaining to the recorded use of biosolids at the subject property. Materials reviewed as a part of the FOIA request are included in Appendix C. Treated waste materials from the Flemingsburg Waste Water Treatment Plant (WWTP) were applied to onsite plots. This application of treated wastes to land for agricultural benefit is referred to as Landfarming, which provides an added soil amendment for the improvement of agricultural productivity. State and federal regulations are in place to ensure pathogens and metals in the treated waste are controlled and do not cause harm. Records indicate Landfarming was performed on the subject property between August 2010 and August 2015. Soil analysis was completed on the biosolids and soils following application for metal concentrations. Lab results determined that the metal parameters were far below acceptable thresholds as established by the State of Kentucky under regulations 401 Kentucky Administrative Regulations (KAR) 45:100. The previous property owner, Mary Ann McCormack, signed a Land Application Consent Agreement on March 2011. In the agreement, terms were enacted to ensure that Landfarming plots were used in a manner consistent with state guidelines to prevent accumulation of metals in the soils and exposure to humans of bacteria or pathogens from food crops raised on the fields. Based on the information obtained, this historic land use does not constitute a REC to the subject property.

5.3.9 Previous Reports

ERP completed a previous Phase I Assessment in March 2020 and in February 2021, which were provided to Fleming Solar, LLC under separate cover. According to the March 2020 report, the Site was 425 acres and consisted of farmland used for row crops and cattle farming and rural single-family residential homes. Various farm buildings including a machine shop, barns, and a hoop shed were located within the subject property. Three (3) residential structures were located within the Site. Multiple unpaved farm access roads were noted throughout the subject property. In addition, several surface water ponds and drainage features were identified throughout the Site. The forested portions on the Site, including scrub-shrub vegetation, were primarily located along surface water features as well as property boundaries and fence lines.

According to the February 2021 report, the Site covered 769 acres used primarily as farmland with row crops and cattle farming and containing dispersed rural single-family residential homes. Various farm buildings including a machine shop, barns, and a hoop shed were identified as being located within the

subject property. Five (5) residential structures were located within the Site. Multiple unpaved farm access roads were noted throughout the subject property. In addition, several ponds and drainage features were identified throughout the Site. The forested portions on the Site, including scrub-shrub vegetation, were primarily located along surface water features as well as property boundaries and fence lines.

Key findings from the March 2020 Phase I are as follows:

Off Site Listings:

1. Cheaps Chevrolet-Old-Geo

714 W. Water Street

Flemingsburg, KY

Distance: 0.847 miles

Direction: East-Southeast

Database listed on: SHWS

Topographic Relationship: Downgradient

The previous EDR database report provided minimal information for this location; therefore, ERP requested additional information to better evaluate this listing; these same documents are provided within this report as Appendix C. Based on a memorandum from the FOIA request, the Division of Waste Management received a phone call on September 25, 1991 informing them of illegal dumping into a farm pond on W. Water Street by Cheap Chevrolet. Upon inspection of the pond, the Division of Waste Management observed that the pond had been filled in; soil samples were obtained, and no pollutants were detected. The incident was investigated further, however, no evidence of pollutants was found. The status is listed as "Non-Incident" with a closer option of "not applicable" issued on September 15, 2000. Based on the regulatory status and the downgradient location, the listing did not represent a REC to the subject property within the March 2020 report.

2. Transportation Cabinet Property

Flemingsburg, KY

Distance: 0.978 miles

Direction: Southeast

Database listed on: SHWS

Topographic Relationship: Downgradient

The previous EDR database report for this listing provided minimal information for this location; therefore, ERP requested additional information to better evaluate this listing. Based on the information gathered from the FOIA request, a petroleum spill occurred from one (1) of three (3) underground storage tanks (USTs) during the removal of the USTs in 1998 which had been decommissioned in 1962. This spill was cleaned up and testing indicates that all surrounding soils were below the applicable State regulatory limits. The incident was officially closed out in 1999. Based on the regulatory status and the downgradient location, the listing did not represent a REC to the subject property within the March 2020 report.



Neither of the previous off-site listings represented a REC to the subject property within the March 2020 report. The first listing is the same listing that is within this updated report and discussed herein. The second listing is no longer listed within the search radius and was included in the Orphan Summary. Additionally, the first listing was also included in the February 2021 report; no changes were noted from the database from February 2021 to April 2021.

6.0 Site and Area Reconnaissance

6.1 Onsite Features

On December 14-16, 2020 and March 17-18, 2021, ERP scientists Daniel Roberts and Sean Martin conducted a site reconnaissance of the subject property. Weather conditions at the time of the December 2020 site visit included temperatures of approximately 24-39°F with mostly cloudy skies, light precipitation, and winds of approximately 0 to 16 miles per hour. Weather conditions at the time of the March 2021 site visit included temperatures of approximately 41-65° Fahrenheit with mostly cloudy skies, light precipitation, and winds of approximately 3 to 21 miles per hour.

During the site reconnaissance, ERP noted the Site primarily consists of agricultural and rural single-family residential land-uses. Landcover is primarily agriculture used for row crops and cattle farming. Various farm buildings including machine shops, barns, and hoop sheds are located within the subject property. Five (5) residential structures are located onsite.

Photographs depicting conditions observed at the time of the Site reconnaissance and the locations of Phase I ESA findings are provided in Appendix D and Figure 2, respectively. The location of existing on-site structures depicted on Figure 2 corresponds by Feature ID in Table 2.

Underground or aboveground storage tanks

ERP did not observe evidence of underground storage tanks on the subject property at the time of the site reconnaissance. At the time of the site reconnaissance, ERP observed an aboveground storage tank (AST) located on the north-central portion of the subject property. The AST was a 500-gallon propane tank for household usage. The AST appeared to be in good condition with no observed leaks or staining and therefore does not represent a REC to the subject property.

Strong, pungent, or noxious odors

At the time of the site reconnaissance, ERP noted the odor of motor oil originating from an adjacent property. The property located south of the Site on Convict Pike is used as a junk yard or automotive repair shop, and the odor is typical of such uses. No strong, pungent, or noxious odors were noted within the Site.

Surface waters

There are ten (10) ponds and five (5) drainage features depicted on the National Wetlands Inventory (NWI) and 2019 USGS topographic map. There are 11 additional field observed drainages/ditches onsite (not depicted). ERP did not observe oil sheens or issues with surface waters onsite.

Standing pools of liquid likely containing petroleum or hazardous substances

ERP observed no standing pools of liquid containing petroleum or hazardous substances on the subject property at the time of the site reconnaissance.

Drums or containers of petroleum or hazardous substances greater than five gallons

ERP observed three (3) drums or containers of petroleum or hazardous substances greater than five (5) gallons on the subject property at the time of the site reconnaissance. The containers were located adjacent to the metal barn in northeast portion of the subject property and contained petroleum lubricants used for operating farming machinery (Figure 2, Table 2, Feature ID 22). No spills or stains were observed, and the containers are considered to be *de minimis*.

Drums or containers of petroleum or hazardous substances less than five gallons

ERP observed seven (7) drums or containers of petroleum or hazardous substances less than five (5) gallons at the time of the site reconnaissance. The containers were located within barns next to occupied residences and included gasoline, oil, and petroleum lubricants used for operating farming machinery (Figure 2, Table 2, Feature ID 13, 19, and 22). No spills or stains were observed, and the containers are considered to be *de minimis*.

Unidentified opened or damaged containers of hazardous substances or petroleum products

ERP did not observe opened or damaged containers of hazardous substances or petroleum products on the subject property.

Known or suspect PCB-containing equipment (excluding light ballasts)

Electrical transformers are often a source of environmental concern due to the potential presence of polychlorinated biphenyl (PCB)-containing cooling oils used in some units. ERP observed seven (7) pole-mounted transformers on the subject property during the site reconnaissance. The transformers were not labeled regarding PCB content.

Machinery containing hydraulic oil may also be PCB-containing; PCB-containing hydraulic fluid was mostly used in high-temperature industrial applications, automotive lifts, and heat transfer systems where hydraulic oil acts as a lubricant. ERP observed multiple hydraulic fluid containing pieces of equipment on the subject property. This equipment included soybean harvesters, tractors, and other typical farming equipment which are stored onsite, either within barns or temporarily during the harvest season. ERP did not observe signs of leaks or spills from this machinery.

Stains or corrosion to floors, walls or ceilings

Five (5) single-family residences, 15 barns, a machine shop, and a hoop shed are located on the Site. Barns appear to be used for seasonal storage of farming equipment, and the machine shop is used for general maintenance of farm equipment when it is stored onsite. ERP did not observe evidence of staining or corrosion to floors, walls, or ceilings on the subject property; however, ERP did not have access to the interior of the onsite residences during the site reconnaissance.

Floor drains and sump pumps

ERP did not observe floor drains or sump pumps on the subject property; however, ERP did not have access to residences or the machine shop onsite during the site reconnaissance.

Pits, ponds, or lagoons

ERP observed ten (10) ponds on the subject property at the time of the site reconnaissance. All ten (10) ponds were farm ponds impounded by earthen dams.

Stained soil or pavement

ERP did not observe evidence of stained soil or pavement on the subject property at the time of the site reconnaissance.

Stressed vegetation

ERP did not observe indications of stressed vegetation on the subject property at the time of the site reconnaissance.

Solid waste mounds or non-natural fill materials

ERP did not observe solid waste mounds or non-natural fill materials on the subject property. However, there is a recorded use of biosolids at the subject property. Treated waste materials from the Flemingsburg WWTP were applied to onsite plots. Landfarming was historically performed on the subject property. Soil analysis was completed on the biosolids and soils following application for metal concentrations. Lab results determined that the metal parameters were far below acceptable thresholds as established by the State of Kentucky. Based on the information obtained, this historic land use does not constitute a REC to the subject property.

Wastewater discharges into drains, ditches, or streams

ERP did not observe wastewater discharges into drains, ditches, or streams on the subject property at the time of the site reconnaissance.

Wells including potable, monitoring, dry, irrigation, injection and/or abandoned

ERP observed multiple water troughs, cisterns, springs, and water pumps on the subject property at the time of the site reconnaissance (Figure 2). The water troughs and cisterns consisted of concrete structures that are or were used for providing water to cattle. ERP observed water pumps associated with every residence and one (1) barn (Figure 2 and Table 2, Feature ID 9).

Septic systems or cesspools

ERP did not observe evidence of septic systems or cesspools on the subject property at the time of the site reconnaissance. There are five (5) single-family residences onsite which may have associated septic systems; however, ERP did not have access to residences onsite during the site reconnaissance.

6.2 Adjacent and Nearby Properties

Contiguous and nearby properties were observed during walking and vehicular reconnaissance from the property boundary and public places. The Site is bordered to the north and west by agricultural fields with mixed rural residential development. South of the subject property is bordered by mostly mixed rural development and cattle pastures. An apparent car repair shop or junk yard is adjacent to the southern Site boundary along Old Convict Pike Road. Minor motor oil and antifreeze odors were noted originating



from the adjacent property. No observations of leaks, spills, or staining from the adjacent property were observed on the subject property. East of the subject property is bordered by mixed rural development and the Fleming County Golf Association golf course. An antenna structure is located southwest of the subject property.

Photographs depicting conditions observed at the time of the site reconnaissance are provided in Appendix D.

7.0 Interviews

7.1 Current Landowner/Occupant

ERP interviewed John Sayre, Andrew Wood, William Dale Hord, and Marjorie Shank current landowners, and Robert Mitchell who is a current tenant farmer, as the key site personnel. Mr. Wood and Mr. Sayre stated that historic property use consisted of tobacco, corn, and hay production for cattle. Mr. Dale Hord and Mrs. Marjorie Shank stated that the historic property uses for their properties consisted of corn, soy, and hay production as well as cattle grazing. Current uses include primarily soybean production with some corn, cattle, and hay storage. Mrs. Marjorie Shank stated that a single barn is located on the property. According to Mr. Sayre and Mr. Mitchell, five (5) residences are located onsite. Of the five (5) onsite single-family residences, three (3) are occupied, one (1) is unoccupied, and one (1) is abandoned. Only one (1) of the residences is heated by a petroleum fuel source. One (1) occupied residence utilizes geothermal for heating, and the other residence utilizes electric baseboard. All residences are built before 1978 and therefore potentially contain lead-based paint. Mr. Wood is not aware of any asbestos containing materials (acm) in the home construction. According to Mr. Wood, there are six (6) barns on his property, two (2) metal buildings, a hoop hay shed, and several small outbuildings. Mr. Sayre stated that there are two (2) barns and a hoop hay shed on his property. Mr. Dale Hord stated there are two (2) barns and one residence on his property. The single-family residence is occupied and has a single septic tank. Mr. Wood stated that a metal machine shop is used to maintain farm equipment and that there are no spills, leaks, or other concerns within the building. According to four (4) interviewees, no diesel fuel tanks are stored onsite in association with farming operations and they are not aware of fuel tanks historically located onsite. Mr. Dale Hord was aware of a 200-gallon fuel tank previously buried on his property but that he removed it about 30 years ago. The tank had a hand pump and seemed to be in good condition but was empty and had not been used in over 20 years at the time of its removal. Mr. Dale Hord, Mr. Sayre, and Mr. Wood stated that the Flemingsburg and Northern Railway ended operation in the 1950s and that no derailments occurred to their knowledge. All five (5) interviewees indicated that when pesticides and herbicides are used, they are handled and applied in accordance with manufacturer recommendations and industry best practices. Additionally, they stated that they were not aware of past releases of petroleum or other hazardous chemicals on the property.

7.2 Emergency Management

As part of this assessment, ERP contacted Mr. Dwayne Price, the Emergency Management Director for Fleming County, to request records of hazardous material releases or spills at the Site or in the vicinity. Mr. Price indicated that they did not have any listings of information regarding hazardous material releases or spills onsite or within the vicinity.



8.0 Data Gaps

ERP encountered the following data gaps as part of this Phase I ESA:

- No Sanborn Fire Insurance Map was available for the subject property, and
- No tax cards or property deeds.

The data gaps pertaining to the Sanborn Fire Insurance Map and deeds do not constitute a significant data gap, as they do not inhibit ERP's ability to identify RECs of the Site.



9.0 Additional Services

ASTM guidelines identify non-scope issues, which are beyond the scope of this practice. Some of these non-scope issues include asbestos-containing materials, radon, lead-based paint, lead in drinking water, presence of wetlands, and mold.

Non-scope items were not included as part of this assessment. ERP completed a Pre-Development Environmental Constraints Review and Permitting Analysis, Protected Species Habitat Assessment, and Jurisdictional Waters of the U.S. Assessment for the subject property under separate cover.

10.0 Findings and Opinions

During the site reconnaissance, ERP noted the Site consists primarily of farmland used for row crops and cattle farming. Various farm buildings including sheds, barns, and hay storage tarps are located within the subject property. Five (5) residential structures are located onsite; three (3) are currently occupied, one (1) is unoccupied, and one (1) is abandoned. There are multiple unpaved farm access roads throughout the subject property. The Flemingsburg to Spurlock 138-kilovolt (kV) transmission line crosses the western portion of the Site, and two (2) electrical distribution lines bisect the central portion. In addition, several surface water ponds and streams are located onsite. There are forested portions on the Site, including scrub-shrub vegetation, that are primarily located along surface water features as well as property boundaries and fence lines. The former Flemingsburg & Northern Railroad, a standard-gauge railroad abandoned in 1955, bisects the Site meandering northwest to southeast. The Site is bound to the south by Convict Pike and to the east by Helena Road and Maysville Road.

A SER search was provided by EDR to determine if the subject property or properties within ASTM specified search radiuses are listed on the state and federal environmental regulatory agency databases. The database search revealed one (1) listing outside of the project boundary that was within the inquired search. This listing is not considered a REC of the subject property.

Orphan Sites are listings that cannot be adequately mapped due to inaccurate or incomplete address information. The database report identified two (2) Orphan Site listings on or near the subject property. These listings are not considered to be RECs of the Site.

A majority of the Site has been used for agricultural purposes for several decades for crop cultivation, including corn and soybeans. This has likely included the use of pesticides and herbicides and has likely included the use of fertilizers. Property owners indicated that when pesticides and herbicides are used, they are handled and applied in accordance with manufacturer recommendations and industry best practices. No pesticides or herbicides are stored or disposed of on the subject property. Historic practices on the subject property are not known, but no indications of spills or the use of agricultural chemicals not in accordance with manufacturers' labeling requirements and industry best practices were identified. It is possible to have impacts to localized as well as regional groundwater from agricultural chemicals; however, it is not possible to determine if impacts are present without sampling groundwater.

ERP was provided information by Core and through landowner interviews of recorded use of biosolids historically onsite. ERP obtained information from both landowner interviews and supporting documentation from a FOIA request for records with the Kentucky Department of Waste Management pertaining to the recorded use of biosolids at the subject property. Biosolids are treated waste material from wastewater treatment facilities that can improve soils for agricultural productivity. Based on the information obtained, this historic land use does not constitute a REC to the subject property.

Properties adjacent to the Site consisted primarily of cultivated cropland and rural single-family residences. ERP observed several single-family rural residences and associated agricultural sheds, barns, farming equipment, and a junk yard within close proximity to the Site.



ERP found no evidence of known or suspect RECs, CRECs, HRECs, or *de minimis* conditions of the subject property during this site assessment.



11.0 Conclusions

ERP performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E2247-16 of the Fleming Solar Project. Any exceptions to, or deletions from, this practice are described in Section 2.4 of this report.

As documented and qualified in this report, this Phase I ESA has not revealed evidence of RECs in connection with the subject property.

12.0 References

All Appropriate Inquiries Rule. Standards and Practices for All Appropriate Inquiries. 70 Fed. Reg. 66070, titled "40 CFR Part 312, November 2006.

American Society for Testing and Materials. Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process for Forestland or Rural Property, ASTM Designation E2247-16. May 2016.

Environmental Data Resources, Inc., *Certified Sanborn® Map Report*; Inquiry Number 5824675.3, dated October 10, 2019.

Environmental Data Resources, Inc., *EDR-City Directory Image Report*; Inquiry Number 5824675.5 dated October 15, 2019.

Environmental Data Resources, Inc., *EDR Radius Map*; Inquiry Number 6277703.2s, dated March 18, 2021.

Environmental Data Resources, Inc., *The EDR Historical Topographic Map Report*, Inquiry Number 5824675.4, includes maps from years 1951, 1952, 1978, 1979, and 2013 dated October 10, 2019.

Environmental Data Resources, Inc., *The EDR Aerial Photo Decade Package*, includes aerials from years 1947, 1950, 1975, 1983, 1985, 1990, 1995, 2008, 2010, 2012, and 2016 Inquiry Number 5824675.8, dated October 11, 2019.

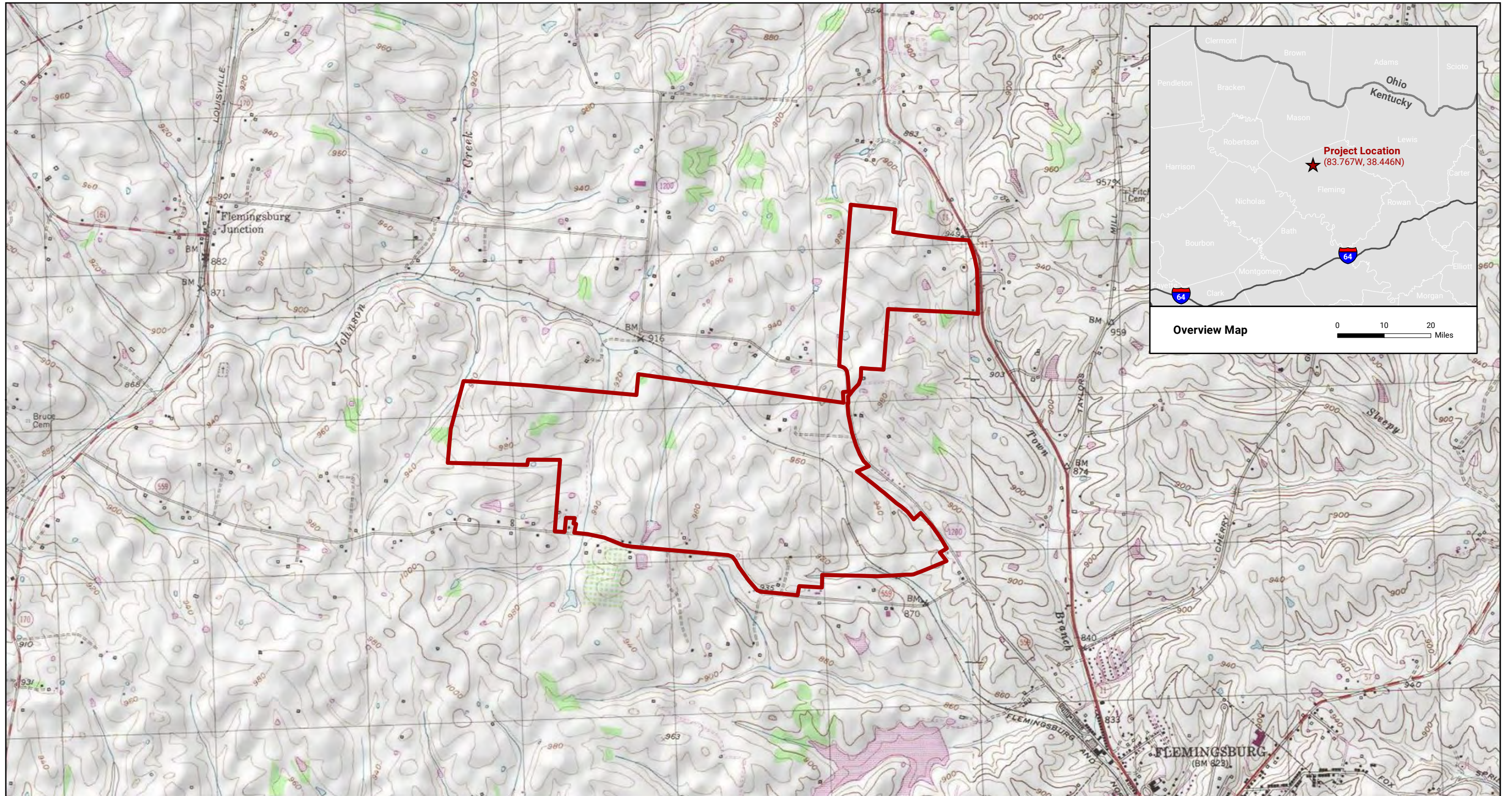
Fleming County Property Valuation Administrator (PVA). Public Property Search Portal. Powered by Government Utilities Technology Service (GUTS). Accessed on December 27, 2020. Accessed at <https://www.flemingpva.com/Taxpayer%20Information/General%20Information>

U.S. Department of Agriculture, Natural Resources Conservation Service, Web Soil Survey. Accessed December 27, 2020.

U.S. Geological Survey (USGS). *Elizaville, KY and Flemingsburg, KY*. [map]. 1:24,000. 7.5 Minute Series. Washington D.C.: USGS, 2019.




FIGURES



1221 South MoPac Expressway, Suite 225
 Austin, Texas 78746 | 512-222-1125
 www.energyrenewalpartners.com



LEGEND

 Project Area (~831 acres)

Fleming Solar, LLC
Fleming Solar Project

Regional Topography
 Elizaville and Flemingsburg
 USGS 1:24,000 Topographic Quadrangles

Project Location: Fleming County, Kentucky

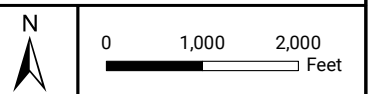
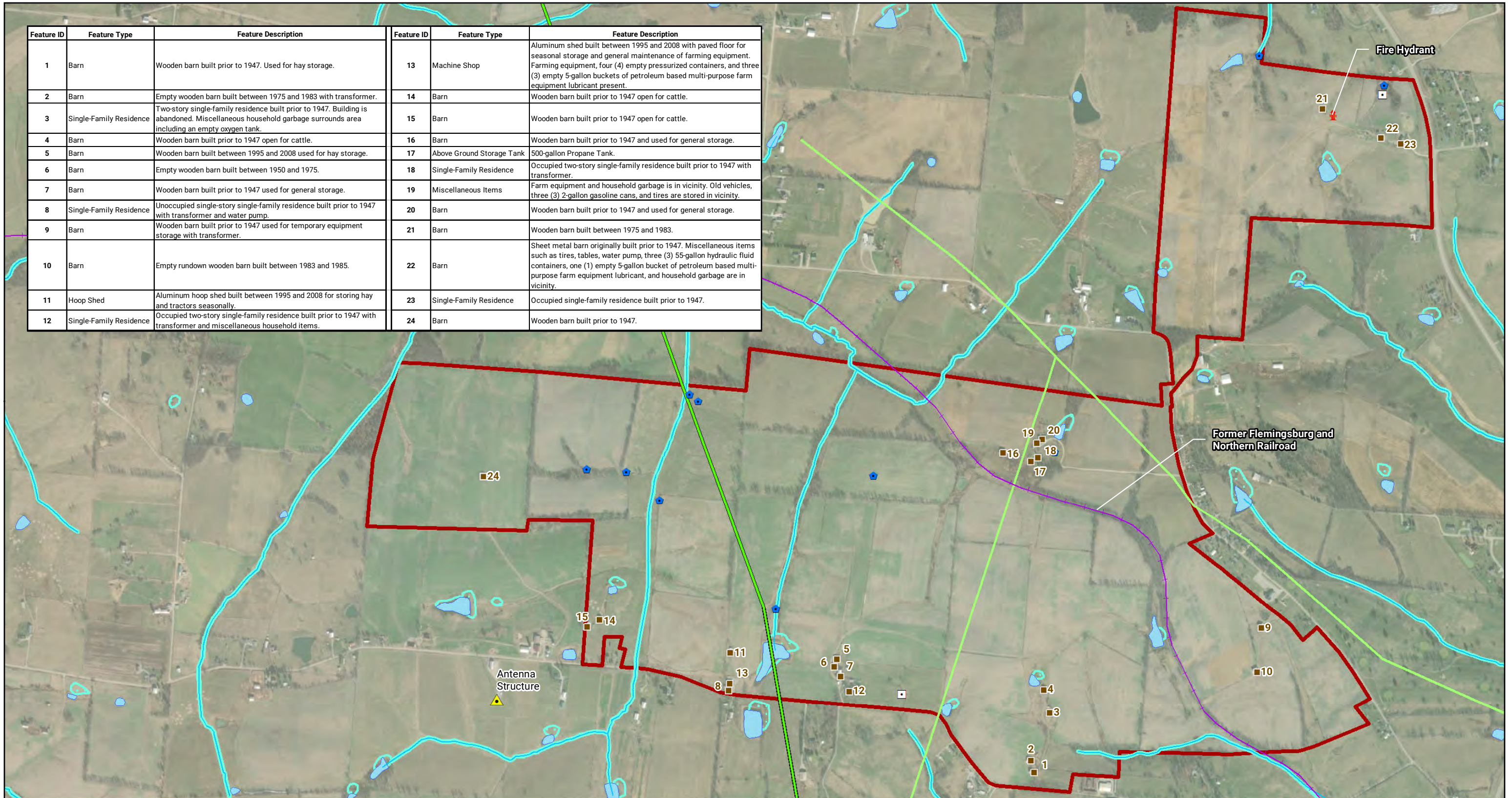


FIGURE 1

Prepared by: L. Kauffman Date: 2021-03-31

Feature ID	Feature Type	Feature Description	Feature ID	Feature Type	Feature Description
1	Barn	Wooden barn built prior to 1947. Used for hay storage.	13	Machine Shop	Aluminum shed built between 1995 and 2008 with paved floor for seasonal storage and general maintenance of farming equipment. Farming equipment, four (4) empty pressurized containers, and three (3) empty 5-gallon buckets of petroleum based multi-purpose farm equipment lubricant present.
2	Barn	Empty wooden barn built between 1975 and 1983 with transformer.	14	Barn	Wooden barn built prior to 1947 open for cattle.
3	Single-Family Residence	Two-story single-family residence built prior to 1947. Building is abandoned. Miscellaneous household garbage surrounds area including an empty oxygen tank.	15	Barn	Wooden barn built prior to 1947 open for cattle.
4	Barn	Wooden barn built prior to 1947 open for cattle.	16	Barn	Wooden barn built prior to 1947 and used for general storage.
5	Barn	Wooden barn built between 1995 and 2008 used for hay storage.	17	Above Ground Storage Tank	500-gallon Propane Tank.
6	Barn	Empty wooden barn built between 1950 and 1975.	18	Single-Family Residence	Occupied two-story single-family residence built prior to 1947 with transformer.
7	Barn	Wooden barn built prior to 1947 used for general storage.	19	Miscellaneous Items	Farm equipment and household garbage is in vicinity. Old vehicles, three (3) 2-gallon gasoline cans, and tires are stored in vicinity.
8	Single-Family Residence	Unoccupied single-story single-family residence built prior to 1947 with transformer and water pump.	20	Barn	Wooden barn built prior to 1947 and used for general storage.
9	Barn	Wooden barn built prior to 1947 used for temporary equipment storage with transformer.	21	Barn	Wooden barn built between 1975 and 1983.
10	Barn	Empty rundown wooden barn built between 1983 and 1985.	22	Barn	Sheet metal barn originally built prior to 1947. Miscellaneous items such as tires, tables, water pump, three (3) 55-gallon hydraulic fluid containers, one (1) empty 5-gallon bucket of petroleum based multi-purpose farm equipment lubricant, and household garbage are in vicinity.
11	Hoop Shed	Aluminum hoop shed built between 1995 and 2008 for storing hay and tractors seasonally.	23	Single-Family Residence	Occupied single-family residence built prior to 1947.
12	Single-Family Residence	Occupied two-story single-family residence built prior to 1947 with transformer and miscellaneous household items.	24	Barn	Wooden barn built prior to 1947.



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LEGEND

- Project Area (~831 acres)
- Site Feature
- Water Body (NHD)
- Wetland (NWI)
- Stream/Drainage (NHD)
- Electric Transmission
- Electric Distribution
- Concrete Spring Box (2)
- Concrete Trough/Cistern (10)

Fleming Solar, LLC
Fleming Solar Project
 Site Map

Project Location: Fleming County, Kentucky

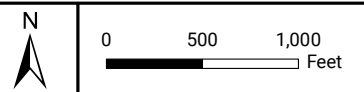
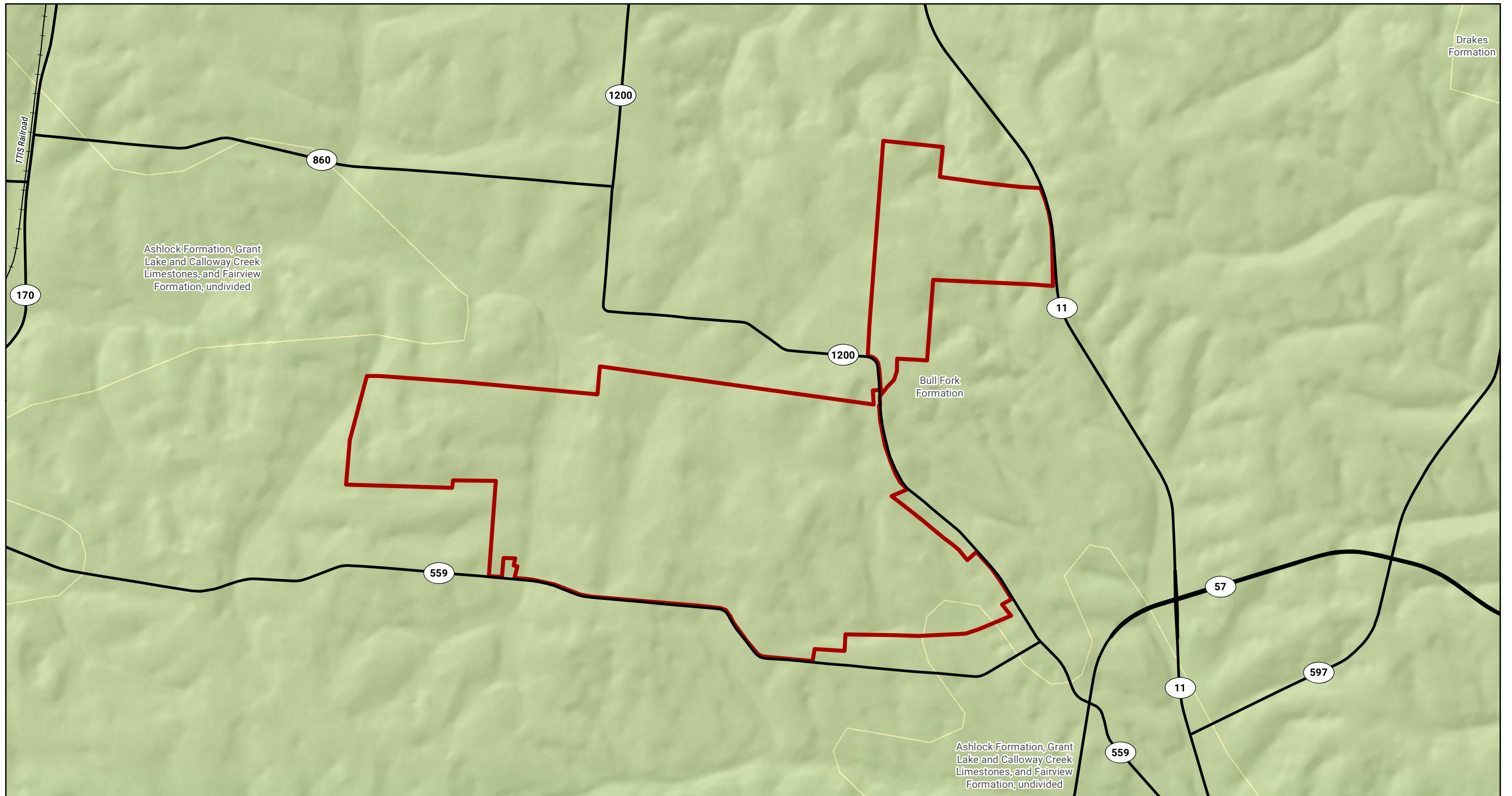


FIGURE 2


Prepared by: L. Kauffman | Date: 2021-04-01




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LEGEND

 Project Area (~831 acres)

 Sedimentary, carbonate

Fleming Solar, LLC
Fleming Solar Project
 Geology

Project Location: Fleming County, Kentucky

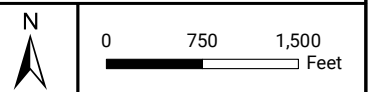
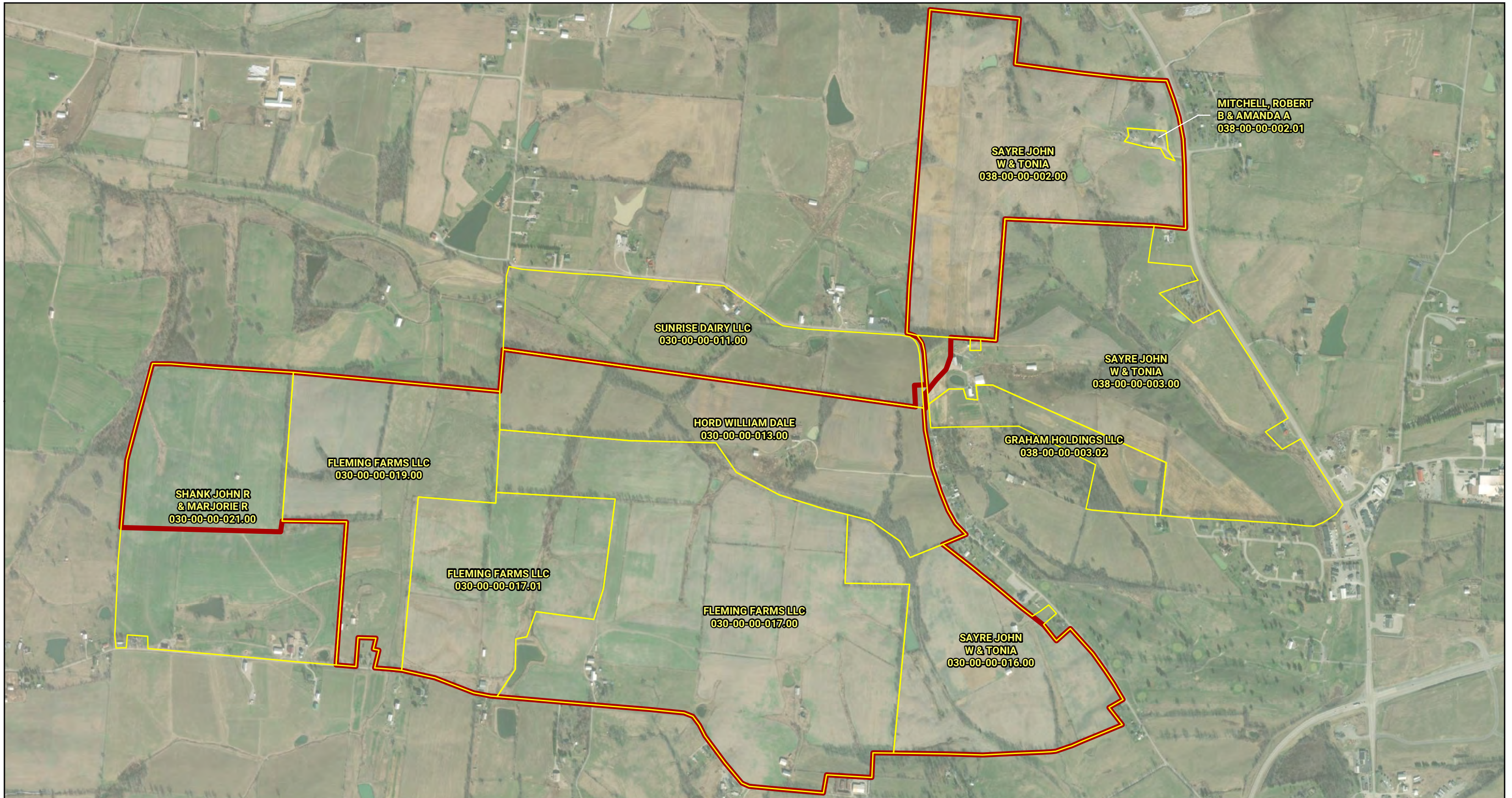


FIGURE 3

Prepared by: L. Kauffman | Date: 2021-03-31



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 www.energyrenewalpartners.com



LEGEND

- Project Area (~831 acres)
- Parcel

Fleming Solar LLC
Fleming Solar Project
 Parcel Map

Project Location: Fleming County, Kentucky



FIGURE 4

Prepared by: L. Kauffman | Date: 2021-04-13



APPENDICES



APPENDIX A
Historical Records Search



Fleming 1

Convict Pike/Helena Road

Flemingsburg, KY 41041

Inquiry Number: 5824675.8

October 11, 2019

The EDR Aerial Photo Decade Package



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

EDR Aerial Photo Decade Package

10/11/19

Site Name:

Fleming 1
Convict Pike/Helena Road
Flemingsburg, KY 41041
EDR Inquiry # 5824675.8

Client Name:

Energy Renewal Partners, LLC
1221 South MoPac Expressway Suite 22
Austin, TX 78746
Contact: Daniel Roberts



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

Search Results:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
2016	1"=1125'	Flight Year: 2016	USDA/NAIP
2012	1"=1125'	Flight Year: 2012	USDA/NAIP
2010	1"=1125'	Flight Year: 2010	USDA/NAIP
2008	1"=1125'	Flight Year: 2008	USDA/NAIP
1995	1"=1125'	Acquisition Date: February 17, 1995	USGS/DOQQ
1990	1"=1125'	Flight Date: April 08, 1990	USGS
1985	1"=1125'	Flight Date: April 17, 1985	USDA
1983	1"=1125'	Flight Date: March 15, 1983	USDA
1975	1"=1125'	Flight Date: April 05, 1975	USGS
1950	1"=1125'	Flight Date: June 01, 1950	USGS
1947	1"=1125'	Flight Date: April 01, 1947	USGS

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INQUIRY #: 5824675.8

YEAR: 2016

— = 1125'



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



INQUIRY #: 5824675.8

YEAR: 2012

— = 1125'



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



INQUIRY #: 5824675.8

YEAR: 2010

— = 1125'



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



INQUIRY # 5824675.8

YEAR: 2008

— = 1125'





INQUIRY #: 5824675.8

YEAR: 1995

↑ N

EDR

— = 1125'

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



INQUIRY #: 5824675.8

YEAR: 1990

— = 1125'



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



INQUIRY #: 5824675.8

YEAR: 1985

— = 1125'



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



INQUIRY #: 5824675.8

YEAR: 1983

— = 1125'



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

GS - VE

INQUIRY #: 5824675.8

YEAR: 1975

— = 1125'



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



INQUIRY #: 5824675.8

YEAR: 1950

— = 1125'



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



INQUIRY #: 5824675.8

YEAR: 1947

— = 1125'



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



Fleming 1

Convict Pike/Helena Road
Flemingsburg, KY 41041

Inquiry Number: 5824675.5
October 15, 2019

The EDR-City Directory Image Report

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

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EXECUTIVE SUMMARY

DESCRIPTION

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

RECORD SOURCES

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

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Data by

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RESEARCH SUMMARY

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

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2014	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
2010	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
2005	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
2000	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
1995	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
1992	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive

FINDINGS

TARGET PROPERTY STREET

Convict Pike/Helena Road
Flemingsburg, KY 41041

Year

CD Image

Source

CONVICT PIKE

2014	pg A1	EDR Digital Archive	
2010	pg A6	EDR Digital Archive	
2005	pg A10	EDR Digital Archive	
2000	pg A14	EDR Digital Archive	
1995	-	EDR Digital Archive	Target and Adjoining not listed in Source
1992	-	EDR Digital Archive	Target and Adjoining not listed in Source

FINDINGS

CROSS STREETS

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

HELENA RD

2014	pg. A2	EDR Digital Archive	
2010	pg. A7	EDR Digital Archive	
2005	pg. A11	EDR Digital Archive	
2000	-	EDR Digital Archive	Target and Adjoining not listed in Source
1995	-	EDR Digital Archive	Target and Adjoining not listed in Source
1992	-	EDR Digital Archive	Target and Adjoining not listed in Source

W WATER ST

2014	pg. A4	EDR Digital Archive
2010	pg. A8	EDR Digital Archive
2005	pg. A12	EDR Digital Archive
2000	pg. A15	EDR Digital Archive
1995	pg. A16	EDR Digital Archive
1992	pg. A18	EDR Digital Archive

City Directory Images

CONVICT PIKE 2014

219	EVANS, RAYMOND X
349	PATTERSON, MERCEDES
476	CRAIN, ROBERT W
869	RAMSEY, AMANDA L
	RING, ELIZABETH A
887	KIDD, RANDY D
891	THOROUGHMAN, MATTHEW T
905	BRYANT, DEBBIE K
975	GINN, LESLIE
991	PATTON, ALLEN K
1258	MCCORMACK, MARY A
1275	BOLING, JACKIE P
1313	HEFLIN, RANDALL S
	RAYBURN, KATHY B
1327	ROUTT, JENNIFER
1485	HARRIS, SAMUEL J
1488	RIEBEL, GARY W
1615	MASTERS, ROBERT J
1742	SGANTAS, DOMINIC L
2100	SHANK, JOHN
2198	TESTER, BERNICE E
2226	HICKERSON, LESLIE
2254	JONES, BETTY J
2416	WHISMAN, TOMMY W
2423	MASTERS, DOUGLAS C
2476	COYLE, JARED M
	JMC CONSTRUCTION LLC
2536	HOLLAR, CHRISTINA K
2661	FRYMAN, RANDY M
2670	CARPENTER JR JOHN
	CARPENTER, JOHN J
2952	COOPER, WILLIAM R
3211	VIBBERT, JOHN K
3262	HARGETT, TONY W
3642	CRAWFORD, ELBERT C

HELENA RD 2014

128 NIEZGODA, JOSEPHINE
150 COLGAN, GAYLE P
164 JONES, CARLA
MCINTYRE, GARY W
176 OCCUPANT UNKNOWN,
186 POLLEY, VICKI A
194 FOOKS, MARK A
216 RIGDON, EDNA M
353 FARMERS VETERINARY CLINIC
374 NEW LIFE CHURCH CHRIST
467 POWELL, MICKEY
621 BUFFALO TRACE REALTY CO
CRUMP FRED INSURANCE SERVICES
842 MCGINNIS, ROBERT W
870 MCCRAY, ALLIE H
1053 LOWE, DENNY T
1073 MERRILL, ANTHONY P
1335 LITTON, JAMES R
1395 COOPER, SANDY J
1456 HARMON, DEREK P
1484 ELDRIDGE, DAVID
1496 VONDERBRINK, JAMES B
1529 GRAY, GERALD T
1530 VICE, EWELL A
1548 HOPKINS, MARK A
1576 EARLYWINE RONNIE
EARLYWINE, RONNIE W
1591 OCCUPANT UNKNOWN,
1654 HARMON MELISSA
HARMON, KEITH P
1696 GRAY, SAMMY D
1969 GRAY, DEBBIE
2078 HORD, JEFFERY L
2196 ARNETT BRIAN
ARNETT, KENNETH
2247 HORD, WILLIAM D
2578 CRAFT, AVERY T
ROBISON, DEIDRE
2628 DENNIS, DOYLE
FARMBOY INC
2748 ROSE, LISA C
2786 GULLEY, RANDALL G
2853 BRYANT, MEGAN
2905 A & L HOMES INC
LEE, PHILIP W
2912 BECKETT, DAVID M
2940 LARRY MULLHOLAND GEN CONTR LLC
MULLHOLAND, LAWRENCE M
3002 ANDERSON, RICHARD L
3022 HAY, BRADLEY A

HELENA RD 2014 (Cont'd)

3052	MCKENZIE, HILDA M
3067	HAY, JAMES M
	JAKEB LLC
	PARADISE PROPERTIES LLC
3109	HOLLAND, JOHN C

W WATER ST 2014

109	HALLEY, S HALLEYS PARLOR TIMS CLIP JOINT
111	HINTON, GREG
113	KELLEY TAX SERVICE
114	CARPENTER INSURANCE AGENCY FLEMING CNTY CHAMBER COMMERCE
117	EDWARD D JONES & CO LP MCGLONE, ANTHONY OCCUPANT UNKNOWN,
121	A DOG SPAW
124	HARMON, LAUREN
129	MACDONALD WALTON & RAZOR PLLC
141	GOODING LARRY
142	BAKER, VICKI VANWINKLE, VICKI
150	BOONE-NICKELL FUNERAL HOME
153	RGF INC CONCRETE
160	OCCUPANT UNKNOWN,
161	GOODING, LARRY W
163	CAINES, HEATHER L
166	SOARD, CHANDLEA
201	MCNEILL, PETER T
202	PEOPLES BNK OF FLMING CNTY INC
204	RAMEY, RD
211	FLEMING COUNTY BOARD EDUCATION
213	LEWIS MASSAGE CENTER LLC WAYNE GRANNIS INSURANCE INC
225	MACGOODING, HAROLD
226	GTE SO IP WC 3427
242	FLEMING COUNTY BOARD EDUCATION
245	FLEMING COUNTY BOARD EDUCATION
254	TUMEY, JAMES R
264	CRAWFORD, JEFF L
272	STORY, LLOYD E
274	LOWE, DUANE R
277	SHEAR STYLE HAIR SALON
279	TODAYS BRIDES & FORMAL WEAR
280	RANKINS, BETTY J
285	BOBBYS AUTO SALES INC
290	PLUMMER, BRENDA A
370	CHEAP CHEVROLET OLDSMOBILE CO
395	LARRY FANNINS FAMILY FORD LLC
400	LEE, JEFF
402	VICE, SYLVIA
406	VICE, KARLYN C
484	SNAPP, STEFANIE
490	HUGGINS, WADE
500	FLEMING COUNTY ANIMAL HOPITAL
553	ISON, BETHEL F

W WATER ST 2014 (Cont'd)

586	B & K STOP & SHOP
591	ISON, VALERIE K
605	GRIMM, HOMER J
615	GARRIS, ROBERT
623	OCCUPANT UNKNOWN,
635	OCCUPANT UNKNOWN,
645	OCCUPANT UNKNOWN,
658	SOUTHERN STTES FLMNGSBURG COOP
714	BOONE, KAY
802	CRAWFORD, BONNIE L
814	RYE, MARIAN A
828	MCCOWAN, BEVERLY
840	OCCUPANT UNKNOWN,
854	RITCHIE, DAVID D
880	EMERY, LUANNA J
902	BREEZE, KIMBERLY D
904	FARRIS, KRISTINA
	OVERBEY, KAYLAH F
923	SHANNON, GARY L
1018	WATSON, DAVID E
1143	VALLEY VIEW SERVICE STATION
1183	CREEKSIDE MOTORS INCORPORATED
1221	DAVES INC

CONVICT PIKE 2010

219 BROWN, TISHA
EVANS RAYMOND JR
EVANS, RAYMOND X
869 AMANDA L RITCHIE
RAMSEY, AMANDA
RING, ELIZABETH A
887 KIDD, RANDY
903 B & D DESIGN & FABRICATION LLC
905 BRYANT, DEBRA K
991 FRY, ADAM L
JC CONTINUOUS GUTTERING
1258 MCCORMACK MARY ANN
MCCORMACK, MARY A
1275 BOLING, GERALD D
1313 RAYBURN, KATHY B
1485 HARRIS, SAMUEL J
1488 RIEBEL GARY
RIEBEL, GARY
1615 MASTERS, ROBERT J
1742 SGANTAS, DOMINIC L
1831 CROPPER TIMOTHY
CROPPER, TIM D
2026 BURTON, WILLA
2198 ROSE, ROXANNE
2226 HICKERSON, WILLIAM L
2254 JONES, BETTY J
2416 WHISMAN, TOMMY W
2423 MASTERS, DOUGLAS C
2476 COYLE, JARED M
2536 HOLLAR, DAVID S
2661 FRYMAN, RANDY M
2670 CARPENTER JR JOHN
CARPENTER, JOHN J
2952 COOPER WILLIAM R
COOPER, WILLIAM R
3211 VIBBERT, JOHN K
3262 HARGETT, TONY W
3642 CRAWFORD, ELBERT C

HELENA RD 2010

150	COLGAN, CHAD P
156	HUNT, FRANKLIN C
164	ADAMS, DONALD
186	SNAPP, PAULA
194	MARSHALL, REX A
216	RIGDON, EDNA M
353	MORAN, JOHN
374	NEW LIFE CHURCH CHRIST
604	SMOOT, JASON
621	BUFFALO TRACE REALTY CO CRUMP FRED INSURANCE SERVICES
870	FRANK MCCRAY SON MCCRAY, ALLIE H
1053	LOWE, DENNY T MEGAN L LOWE
1073	JAMISON, BENNIE J
1335	LITTON, TREY
1395	CONLEY, JACK G
1456	HARMON, KEITH P
1484	ELDRIDGE, DAVID
1496	VONDERBRINK, JAMES B
1529	GRAY, GERALD T
1530	VICE, EWELL A
1548	HOPKINS, MARK A JOHNSON, WENDELL L
1576	EARLYWINE RONNIE EARLYWINE, RONNIE W
1591	JOHNSON, GARY T
1654	HARMON MELISSA
2078	HORD, JEFFERY L
2196	ARNETT BRIAN ARNETT, KENNETH
2578	SCHAEFFER, SHERRY S
2628	FARMBOY INC
2748	ROSE TIM ROSE, LISA C
2786	GULLEY, GLENN
2853	MILLER, CATHLEEN
2905	EDMOND CAROL
2940	LARRY MULLHOLAND GEN CONTR LLC MULLHOLAND, LAWRENCE M
3052	MCKENZIE, HILDA M
3067	HAY, ASHLEY B PARADISE PROPERTIES LLC
3109	HOLLAND, CHRIS

W WATER ST 2010 (Cont'd)

400	PENROD BRIAN
402	VICE, SYLVIA
405	DANS AUTO REPAIR
484	SNAPP, STEFANIE
490	HUGGINS, WADE
500	FLEMING COUNTY ANIMAL HOPITAL
553	ISON, BETHEL F
591	ISON, VALERIE K
605	GRIMM, HOMER J
615	GARRIS, LENA
635	HAMILTON, JEFF
640	B & K STOP & SHOP
645	SHEPHERD, GLENN E
658	SOUTHERN STTES FLMNGSBURG COOP
802	CRAWFORD, BONNIE L
814	RYE, MARIAN A
840	JOHNSON, JON H
854	RITCHIE, DAVID D
868	SMOOT JASON
	STORY, MARTIN
880	EMERY, LUANNA J
902	BOYD, MARY A
904	CRAIG, JOHNNY
	NEWSOM, STEPHANIE M
923	SHANNON, GARY L
1143	VALLEY VIEW SERVICE STATION
1164	DOYLE AUTO PARTS INC
1183	CREEKSIDE MOTORS INCORPORATED
1221	DAVES INC

CONVICT PIKE 2005

219	APPLEGATE, JAMIE BURTON, JEFFERY HAMM, TOMMY
660	JRS AUTO SALVAGE
869	ARNETT, KENNY
903	B & D DESIGN & FABRICATION LLC
1258	MCCORMACK, GLEN R
1275	BOLING, KENNETH F
1313	HOPPER, BRIAN W
1488	RIEBEL GARY WALNUT KNOLL FARMS & SUP LLC
1615	MASTERS, ROBERT
1742	WILLIAMS, REGINA
1831	CROPPER TIMOTHY CROPPER, STANLEY R
2254	JONES, BETTY
2416	WHISMAN, TOMMY W
2423	MASTERS, DOUGLAS
2476	COYLE, JARED
2536	HOLLAR, DAVID S
2661	FRYMAN, RANDY
2670	CARPENTER JR JOHN CARPENTER, ROBERT E
2952	COOPER WILLIAM R COOPER, WILLIAM R JOURNEYMAN CONSTRUCTION
3211	VIBBERT, JOHN K
3262	HARGETT, TONY
3642	CRAWFORD, ELBERT

HELENA RD 2005

128	JOLLY, CHAD
150	COLGAN, CHAD P
156	MOORE, JOHN
176	THOMPSON, JACKIE
186	SNAPP, PAULA
216	RIGDON, EDNA M
604	SMOOT, JASON
621	BUFFALO TRACE REALTY CO CRUMP FRED INSURANCE SERVICES
842	MCGINNIS, ROBERT W
870	HALL, WOODSON T
1073	JAMISON, BENNIE J
1200	GRAY, GERALD T
1335	LITTON, TREY
1496	VONDERBRINK, MELISSA
1530	VICE, EWELL A
1576	EARLYWINE RONNIE EARLYWINE, RONNIE W
1654	HARMON, KEITH P
2078	HORD, JEFFERY
2196	ARNETT BRIAN ARNETT, KENNETH
2578	SHAEFFER, SHAWN A
2853	ROBERTS, ELICIA J
2912	STEPHENSON, MIKE
2940	MULLHOLAND, LAWRENCE M
3052	MCKENZIE, HILDA M
3067	HAY, JAMES M
3109	LEE, JOHN
3580	BLACK, ASHLEY

W WATER ST 2005

109 TIMS CLIP JOINT
111 HINTON, GREG
113 KELLEY TAX SERVICE
114 CLARK TAYLOR HOWE & RHODES
FLEMING CNTY CHAMBER COMMERCE
117 EDWARD D JONES & CO LP
EDWARD, JONES
121 CARPENTER INSURANCE AGENCY
WN FANT POST 5
126 SPENCER, JOHN F
129 STOCKTON STATION INN LLC
141 CREECH & STAFFORD INSUR AGCY
GOODING LARRY
STORY BARBER SHOP
STORY INSURANCE AGENCY
142 ATKINSON, CHARLES A
BAKER, JERRY
147 FLEMINGSBURG BAPTIST CHURCH
150 BOONE-NICKELL FUNERAL HOME
NICKELL CONRAD
NICKELL, CONRAD M
160 HARDY, RUBY
161 GOODING, DAVID W
165 EVERSON, SHAWN B
HART & HART FARM
166 RICE, DONALD M
201 MCNEILL, PETER T
204 RAMEY, LORETTA J
211 FLEMING COUNTY BOARD EDUCATION
213 FARM BUREAU INSURANCE SERVICES
WAYNE GRANNIS INSURANCE INC
225 GOODING, CYNDI C
231 MAMA JOES INC
242 FLEMING COUNTY BOARD EDUCATION
245 FLEMING COUNTY BOARD EDUCATION
264 CRAWFORD, JEFF Y
267 MCCLURG, CAROL
272 STORY, LLOYD
274 RIGG, BART A
277 SHEAR STYLE HAIR SALON
279 TODAYS BRIDES & FORMAL WEAR
280 RANKINS, BETTY G
285 BOBBYS AUTO SALES INC
290 PLUMMER, BRENDA A
310 STANTON CHEVRON
311 HILL, JANIE
370 CHEAP CHEV-OLDS CO INC
395 LITTON FORD-MERCURY
400 KISSICK, JOE F
PENROD BRIAN

-

✓

W WATER ST 2005 (Cont'd)

406	COURTYARD HERBS PERENNIAL
484	SNAPP, STEFANIE
500	FLEMING COUNTY ANIMAL HOPITAL
591	ISON, BETHEL
645	HILL, JANIE
	JUSCO ENTERPRISES INC
814	RYE, MARIAN A
828	LYTLE, PRISCILLA W
840	JOHNSON, T L
854	RITCHIE, DAVID D
904	STEP IN STYLE
923	SHANNON, J B
1018	CHEAP, JOHN W
1143	CROWE JOHN
1164	DOYLE AUTO PARTS INC
1221	DAVES INC

CONVICT PIKE

2000

428 HARDING, JAMES

W WATER ST 2000

109 TIMS CLIP JOINT
113 KELLEY
KELLEY, NANCY H
114 FLEMING CNTY CHAMBER COMMERCE
GROSSMAN, DAN
121 CARPENTER INSURANCE AGENCY
FANT WN POST NO 5
126 SPENCER, JOHN F
129 EMMONS, VIRGIE D
131 HELPHENSTINE, KATHY
133 KUNTZ, DAVID E
134 BOWER, L S
141 CREECH & STAFFORD INSUR AGCY
GOODING LARRY
STORY BARBER SHOP
STORY WES INSURANCE AGENCY
142 ATKINSON VELMA
ATKINSON, VELMA
DOTSON, IDA
147 FLEMINGSBURG BAPTIST CHURCH
150 BOONE-NICKELL FUNERAL HOME
NICKELL CONRAD
157 SHOUSE, S L
160 BRANDENBURG, RON
161 GOODING, LARRY
165 HART & HART FARM
HART, M F
166 RICE, DONALD
201 THOMASON, RAYMOND J
204 RAMEY, STANLEY
211 FLEMING COUNTY BOARD EDUCATION
213 FARM BUREAU INSURANCE SERVICES
225 GOODING, TRIP
231 MAMA JOES INC
242 FLEMING COUNTY BOARD EDUCATION
245 FLEMING COUNTY BOARD EDUCATION
254 LEE, RICKY L
264 CRAWFORD, JEFF
272 STORY, LLOYD
274 RIGG, BART
277 FLEMING LODGE 112
SHEAR STYLE HAIR SALON
280 STORY, N R
285 BOBBYS AUTO SALES INC
290 PLUMMER, BRENDA A
294 SHROUT, HERD C
400 KISSICK, JOE
402 DONAHUE, ROBERT
405 DAVES CHEVRON
406 ADKINS, MARIE E

W WATER ST 1995

109	TIMS CLIP JOINT
113	KELLEY KELLEY, NANCY H MITCHELL LAW OFFICES
114	CLARK TAYLOR HOWE & RHODES
115	JUSTINES HAIR DESIGN
116	GOODING, LARRY
117	OCCUPANT UNKNOWNN
119	OCCUPANT UNKNOWNN
121	CARPENTER INSURANCE AGENCY FANT WN POST NO 5
124	HARMON, C
126	SPENCER, JOHN F
129	EMMONS, AMOS
130	OCCUPANT UNKNOWNN
133	KUNTZ, JOYCE
134	BOWER, LOUIS S
141	FLEMING CNTY CHAMBER COMMERCE OCCUPANT UNKNOWNN SHELTER INSURANCE
142	ATKINSON, VELMA DOTSON, IDA
147	FLEMINGSBURG BAPTIST CHURCH
149	COLGAN, TOM
150	BOONE-NICKELL FUNERAL HOME NICKELL, CONRAD
157	JETT, MARY L
160	BRANDENBURG, RON
161	GOODING, LARRY
163	GARRISON, BOB
165	HART, M F
166	RICE, DONALD
204	OCCUPANT UNKNOWNN
205	FLEMING AUTO PARTS INC
211	FLEMING COUNTY BOARD EDUCATION
213	FARM BUREAU INSURANCE SERVICES
241	TRIAX-SOUTHEAST
242	FLEMING COUNTY BOARD EDUCATION
245	FLEMINGSBURG ELEMENTARY SCHOOL
264	JACKSON, TERESA
272	STORY, LLOYD JR
274	PERKINS, T S
277	BEAUTIFUL YOU SHEAR STYLE HAIR SALON
279	LAWRENCE FLORIST
280	OCCUPANT UNKNOWNN
285	BOBBYS AUTO SALES INC
290	PLUMMER, BRENDA A
400	HAMM, HELEN
402	OCCUPANT UNKNOWNN

W WATER ST 1995 (Cont'd)

405	DAVES CHEVRON
406	ADKINS, MARIE E DAVIS, ALICE
412	MIDWEST AMERICA CORPORATION
37084	CHEAPS MOBILE HOUSING INC

W WATER ST 1992

112	KERNS & WILLIAMS INSUR AGCY
113	KELLEY KELLEY, NANCY H
114	CLARK TAYLOR HOWE & RHODES
115	JUSTINES HAIR DESIGN
121	CARPENTER INSURANCE AGENCY
124	DYE, EUGENE
126	SPENCER, JOHN F
129	EMMONS, AMOS
130	HELPHENSTINE, DANNY
134	BOWER, LOUIS S
141	FLEMING CNTY CHAMBER COMMERCE SHELTER INSURANCE
142	ATKINSON, VELMA DOTSON, IDA
147	FLEMINGSBURG BAPTIST CHURCH
149	COLGAN, TOM
150	BOONE-NICKELL FUNERAL HOME NICKELL, CONRAD
157	JETT, RALPH
160	BRANDENBURG, RON
161	GOODING, LARRY
165	HART, M F
201	RYE WILLIAM A MD WHITEHALL CHILD CARE
204	JONES, CHESTER
205	FLEMING AUTO PARTS INC
211	FLEMING COUNTY BOARD EDUCATION
213	FARM BUREAU INSURANCE SERVICES
242	FLEMING CO MID SIMONS MIDDLE SCHOOL
245	FLEMINGSBURG ELEMENTARY SCHOOL
261	HARVEYS AUTO SALES
264	JACKSON, ED
272	STORY, LLOYD JR
274	PERKINS, THOMAS S
277	BEAUTIFUL YOU
279	LAWRENCE FLORIST
285	BOBBYS AUTO SALES INC
290	OCONNOR, M C
400	HAMM, HELEN
402	DONAHUE, ROBERT
405	DAVES CHEVRON
406	ADKINS, MARIE E DAVIS, ALICE
10103	KANE OSCAR P JR
37084	CHEAPS MOBILE HOUSING INC

Fleming 1

Convict Pike/Helena Road

Flemingsburg, KY 41041

Inquiry Number: 5824675.3

October 10, 2019

Certified Sanborn® Map Report



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

Certified Sanborn® Map Report

10/10/19

Site Name:

Fleming 1
Convict Pike/Helena Road
Flemingsburg, KY 41041
EDR Inquiry # 5824675.3

Client Name:

Energy Renewal Partners, LLC
1221 South MoPac Expressway Suite 225
Austin, TX 78746
Contact: Daniel Roberts



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Energy Renewal Partners, LLC 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 # 3CF3-4096-96D6

PO # NA

Project Fleming 1

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 #: 3CF3-4096-96D6

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™

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Fleming 1

Convict Pike/Helena Road

Flemingsburg, KY 41041

Inquiry Number: 5824675.4

October 10, 2019

EDR Historical Topo Map Report

with QuadMatch™



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

EDR Historical Topo Map Report

10/10/19

Site Name:

Fleming 1
Convict Pike/Helena Road
Flemingsburg, KY 41041
EDR Inquiry # 5824675.4

Client Name:

Energy Renewal Partners, LLC
1221 South MoPac Expressway Suite 221
Austin, TX 78746
Contact: Daniel Roberts



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

Search Results:**Coordinates:**

P.O.#	NA	Latitude:	38.442747 38° 26' 34" North
Project:	Fleming 1	Longitude:	-83.766917 -83° 46' 1" West
		UTM Zone:	Zone 17 North
		UTM X Meters:	258518.35
		UTM Y Meters:	4258567.35
		Elevation:	959.10' above sea level

Maps Provided:

2013
1978, 1979
1951, 1952

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Topo Sheet Key

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

2013 Source Sheets



Flemingsburg
2013
7.5-minute, 24000

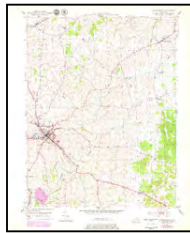


Elizaville
2013
7.5-minute, 24000

1978, 1979 Source Sheets



Elizaville
1978
7.5-minute, 24000
Aerial Photo Revised 1975



Flemingsburg
1979
7.5-minute, 24000
Aerial Photo Revised 1975

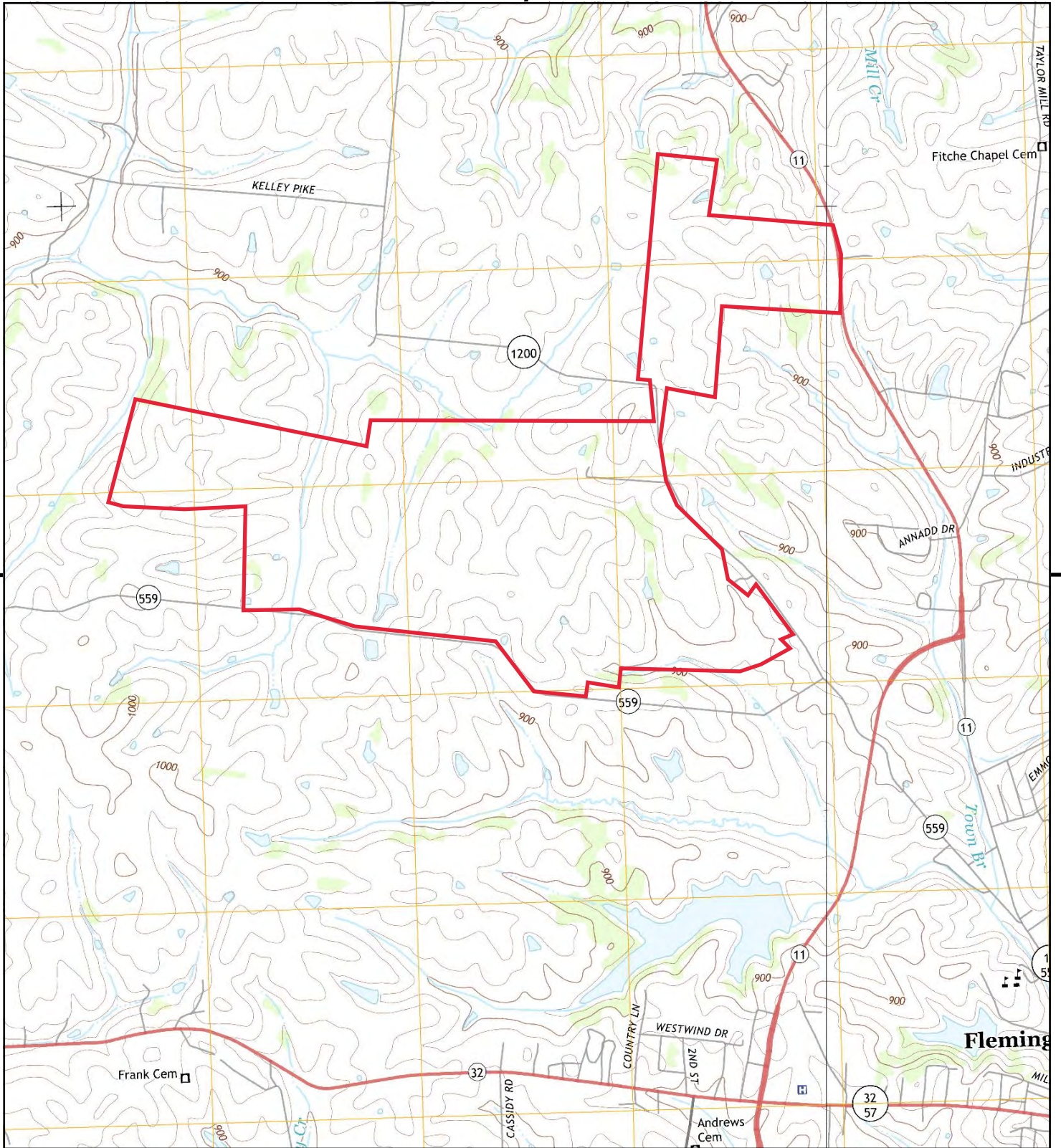
1951, 1952 Source Sheets



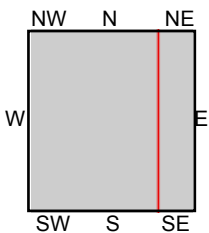
Flemingsburg
1951
7.5-minute, 24000
Aerial Photo Revised 1948



Elizaville
1952
7.5-minute, 24000
Aerial Photo Revised 1950



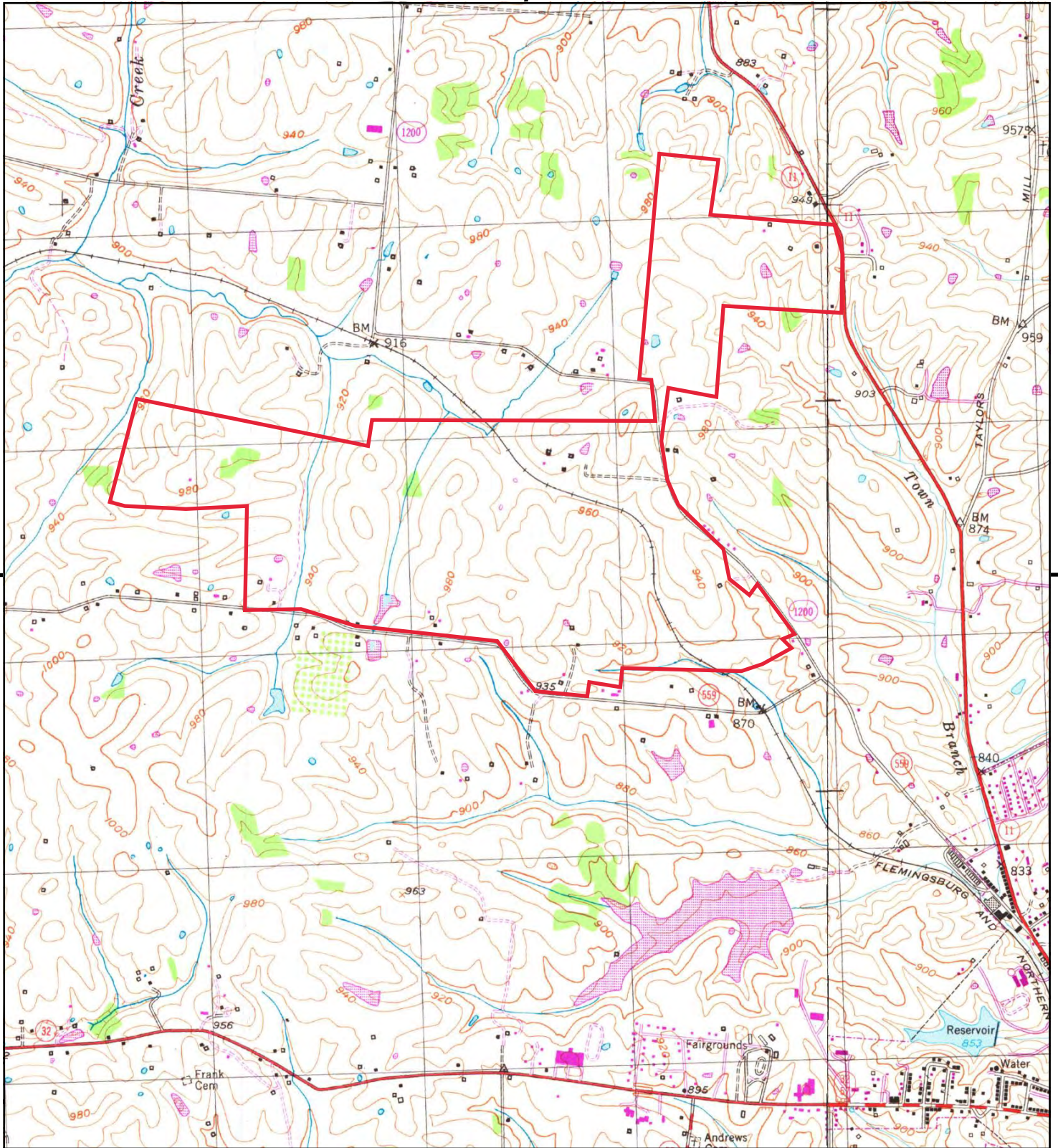
This report includes information from the following map sheet(s).



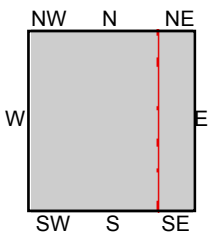
TP, Elizaville, 2013, 7.5-minute
E, Flemingsburg, 2013, 7.5-minute

SITE NAME: Fleming 1
ADDRESS: Convict Pike/Helena Road
Flemingsburg, KY 41041
CLIENT: Energy Renewal Partners, LLC





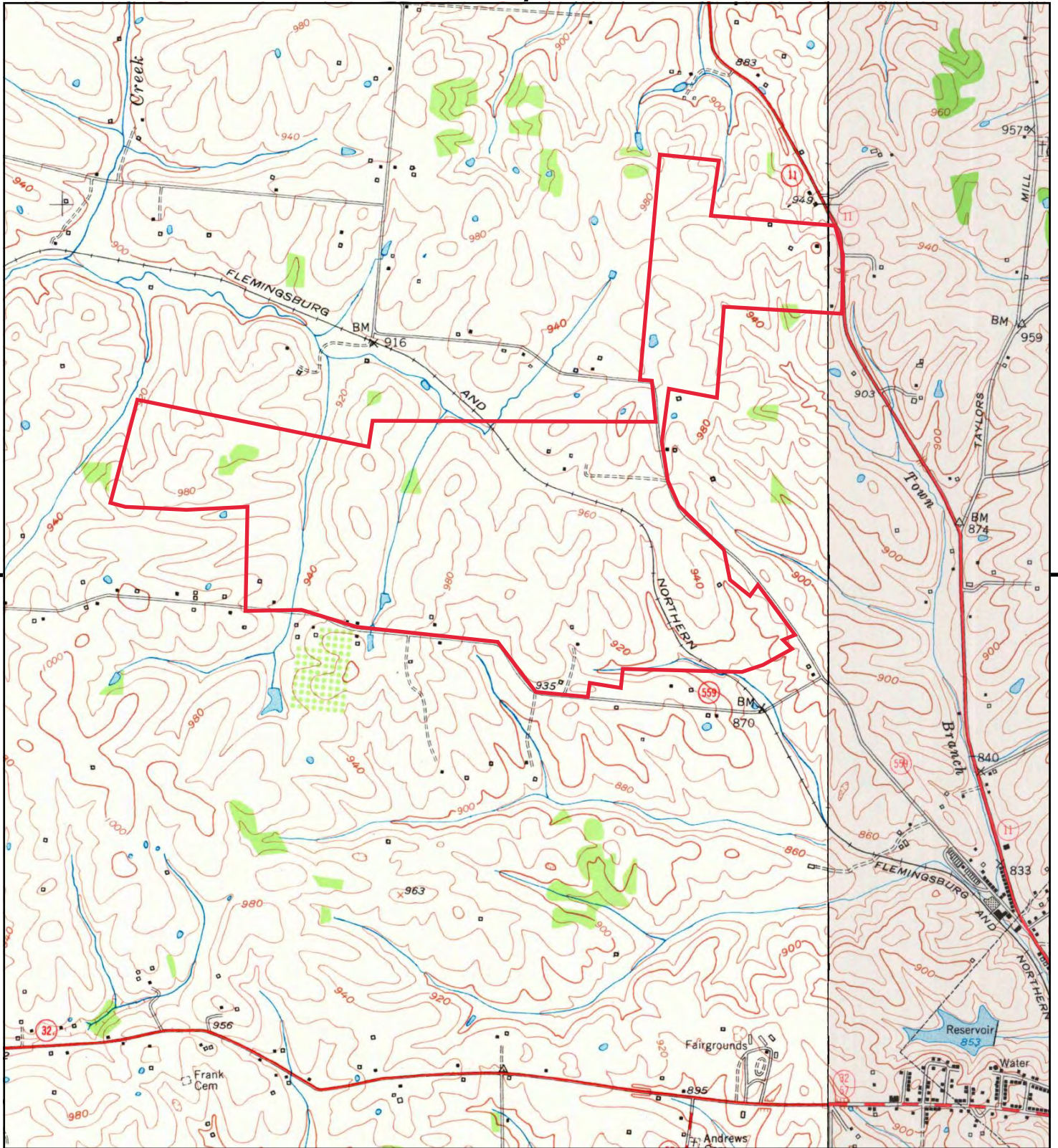
This report includes information from the following map sheet(s).



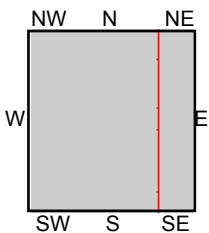
TP, Elizaville, 1978, 7.5-minute
E, Flemingsburg, 1979, 7.5-minute

SITE NAME: Fleming 1
ADDRESS: Convict Pike/Helena Road
Flemingsburg, KY 41041
CLIENT: Energy Renewal Partners, LLC





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



TP, Elizaville, 1952, 7.5-minute
E, Flemingsburg, 1951, 7.5-minute

SITE NAME: Fleming 1
ADDRESS: Convict Pike/Helena Road
Flemingsburg, KY 41041
CLIENT: Energy Renewal Partners, LLC



[Back To Results](#)

030-00-00-017.00 FLEMING FARMS LLC CONVICT PIKE 1258

Owner Information

Owner Name:

FLEMING FARMS LLC

Mailing Address:

NA
1213 OLD JERSEY RIDGE ROAD

City, State, and Zip:

MAYSVILLE KY 41056

Previous Owner:

MCCORMACK MARY ANN TRUST

Property Information

[Back To Results](#)

030-00-00-016.00 SAYRE JOHN W & TONIA HELENA RD 0

Owner Information

Owner Name:

SAYRE JOHN W & TONIA

Mailing Address:

NA
2301 MAYSVILLE ROAD

City, State, and Zip:

FLEMINGSBURG KY 41041

Previous Owner:

LITTON ALICE ESTATE

Property Information

[Back To Results](#)

030-00-00-013.00 HORD WILLIAM DALE HELENA RD 2247

Owner Information

Owner Name:

HORD WILLIAM DALE

Mailing Address:

NA
2247 HELENA RD

City, State, and Zip:

FLEMINGSBURG KY 41041

Previous Owner:

HORD WILLIAM T ESTATE

Property Information

[Back To Results](#)

038-00-00-003.02 GRAHAM HOLDINGS LLC HELENA RD 1892

Owner Information

Owner Name:

GRAHAM HOLDINGS LLC

Mailing Address:

NA
2981 TOWN BRANCH ROAD

City, State, and Zip:

LEXINGTON KY 40511

Previous Owner:

GRAHAM ACRES LLC

Property Information

[Back To Results](#)

030-00-00-011.00 SUNRISE DAIRY LLC HELENA RD 2409

Owner Information

Owner Name:

SUNRISE DAIRY LLC

Mailing Address:

NA
2409 HELENA RD

City, State, and Zip:

FLEMINGSBURG KY 41041

Previous Owner:

BROWN CHARLES A & DOROTHY

Property Information

[Back To Results](#)

030-00-00-021.00 SHANK JOHN R & MARJORIE R CONVICT PIKE 2100

Owner Information

Owner Name:

SHANK JOHN R & MARJORIE R

Mailing Address:

NA
7382 MT CLINTON PIKE

City, State, and Zip:

ROCKINGHAM VA 22821

Previous Owner:

PERKINS TIMOTHY E & BRENDA

Property Information

[Back To Results](#)

038-00-00-002.01 MITCHELL ROBERT B & AMANDA A MAYSVILLE RD 2613

Owner Information

Property Information

Parcel Number:

038-00-00-002.01

Description:

LOT 1.891AC WHSE & GARAGE

Location:

MAYSVILLE RD 2613 (<https://maps.google.com/maps?q=MAYSVILLE+RD+2613+>)

Property Class:

Residential

Plat Book Page:

257-761

Subdivision:

NA

District:

00-County

Neighborhood:

NA

Neighborhood:

Block:

NA

Neighborhood:

Township:

NA

Exemption:

\$0.00

[Back To Results](#)

030-00-00-017.00 FLEMING FARMS LLC CONVICT PIKE 1258

Owner Information

Property Information

Parcel Number:

030-00-00-017.00

Description:

FARM 325.413A W/2 HOUSES

Location:

CONVICT PIKE 1258 (<https://maps.google.com/maps?q=CONVICT+PIKE+1258+>)

Property Class:

Farm

Plat Book Page:

NA

Subdivision:

NA

District:

00-County

Neighborhood:

NA

Neighborhood:

Block:

NA

Neighborhood:

Township:

NA

Exemption:

\$0.00



APPENDIX B
User Questionnaire

ASTM E2247-16 User Questionnaire

In order to qualify for the protection offered under the EPA All Appropriate Inquiry (AAI) Standard, the **User** (entities seeking to use the ASTM E2247-16 Practice to complete an environmental site assessment of the property; i.e. Lenders and/or Borrowers) must provide the following information (if available) to the environmental professional. Failure to provide this information could result in a determination that AAI is not complete. This information should be the collective knowledge of the entities relying on the Phase I. **Please note that you are not being asked to evaluate the property, but rather to provide your knowledge of information on the property.**

Site Name/Address: _____

Person Interviewed/Title: _____ Date: _____

If known, when was the property initially developed? _____

If different, when were the current building(s) on the property constructed? _____

1. Environmental cleanup liens that are filed or recorded against the site (40 CFR 312.25).

Are you aware of any environmental cleanup liens against the *property* that are filed or recorded under federal, tribal, state or local law? (**Note:** If unknown, a review of title records or an environmental lien search is recommended)

Yes___ No___ If you answer yes, please include an explanation in the space provided below:

2. Activity and land use limitations that are in place on the site or that have been filed or recorded in a registry (40 CFR 312.26).

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

Engineering Controls are defined as physical modifications to a site or facility to reduce or eliminate the potential for exposure to hazardous substances or petroleum products in the soil or ground water on the property). *Institutional Controls* are defined as a legal or administrative restriction on the use of, or access to, a site or facility to 1) reduce or eliminate the potential for exposure to hazardous substances or petroleum products in the soil or ground water on the property, or 2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment.

Yes___ No___ If you answer yes, please include an explanation in the space provided below:

3. Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28).

As the *User* of this *ESA* do you have any specialized knowledge or experience related to the *property* or nearby properties? For example, are you involved in the same line of business as the current or former *occupants* of the *property* or an adjoining *property* so that you would have specialized knowledge of the chemicals and processes used by this type of business?

Yes___ No___ If you answer yes, please include an explanation in the space provided below:

4. Relationship of the purchase price to the fair market value of the *property* if it were not contaminated (40 CFR 312.29).

a) Does the purchase price being paid for this *property* reasonably reflect the fair market value of the *property*?

Yes___ No___ If you answer no, please include an explanation in the space provided below, including whether the lower purchase price is because contamination is known or believed to be present at the *property*?

5. Commonly known or *reasonably ascertainable* information about the *property* (40 CFR 312.30).

Are you aware of commonly known or *reasonably ascertainable* information about the *property* that would help the *environmental professional* to identify conditions indicative of releases or threatened releases? For example, as *User*:

a. Do you know the past uses of the *property*?

Yes___ No___

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

Yes___ No___

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

Yes___ No___

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

Yes___ No___

If you answered yes to any of the questions above, please include an explanation in the space provided below:

6. The degree of obviousness of the presence of likely presence of contamination at the *property*, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).

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

Yes___ No___ If you answer yes, please include an explanation in the space provided below:

Please provide the following property contact information:

Property Owner: _____

Phone Number: _____

Key Site Personnel: _____

Phone Number: _____

Past Owner: _____

Phone Number: _____

Landowner Contact Table

Property Owner	Phone Number
Andrew Woods	606-584-9959
John Sayre	859-200-0440
William Dale Hord	606-748-9756
John and Marjorie Shank	540-867-0007



Phase I ESA
Fleming Solar Project

APPENDIX C
Regulatory Records Search



Fleming

Helena Road

Flemingsburg, KY 41041

Inquiry Number: 6407640.2s

March 16, 2021

EDR Area / Corridor Report



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

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Executive Summary	ES1
Mapped Sites Summary	2
Key Map	2
Map Findings Summary	3
Focus Maps	7
Map Findings	25
Orphan Summary	OR-1
Government Records Searched/Data Currency Tracking	GR-1

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), 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.

SUBJECT PROPERTY INFORMATION

ADDRESS

HELENA ROAD
FLEMINGSBURG, KY 41041

TARGET PROPERTY SEARCH RESULTS

The Target Property was identified in the following databases.

Page Numbers and Map Identifications refer to the EDR Area/Corridor Report where detailed data on individual sites can be reviewed.

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

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Page Numbers and Map Identifications refer to the EDR Area/Corridor Report where detailed data on individual sites can be reviewed.

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

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

STANDARD ENVIRONMENTAL RECORDS

State- and tribal - equivalent CERCLIS

SHWS: State Leads List

A review of the SHWS list, as provided by EDR, and dated 02/09/2021 has revealed that there is 1 SHWS site within approximately 1 mile of the requested target property.

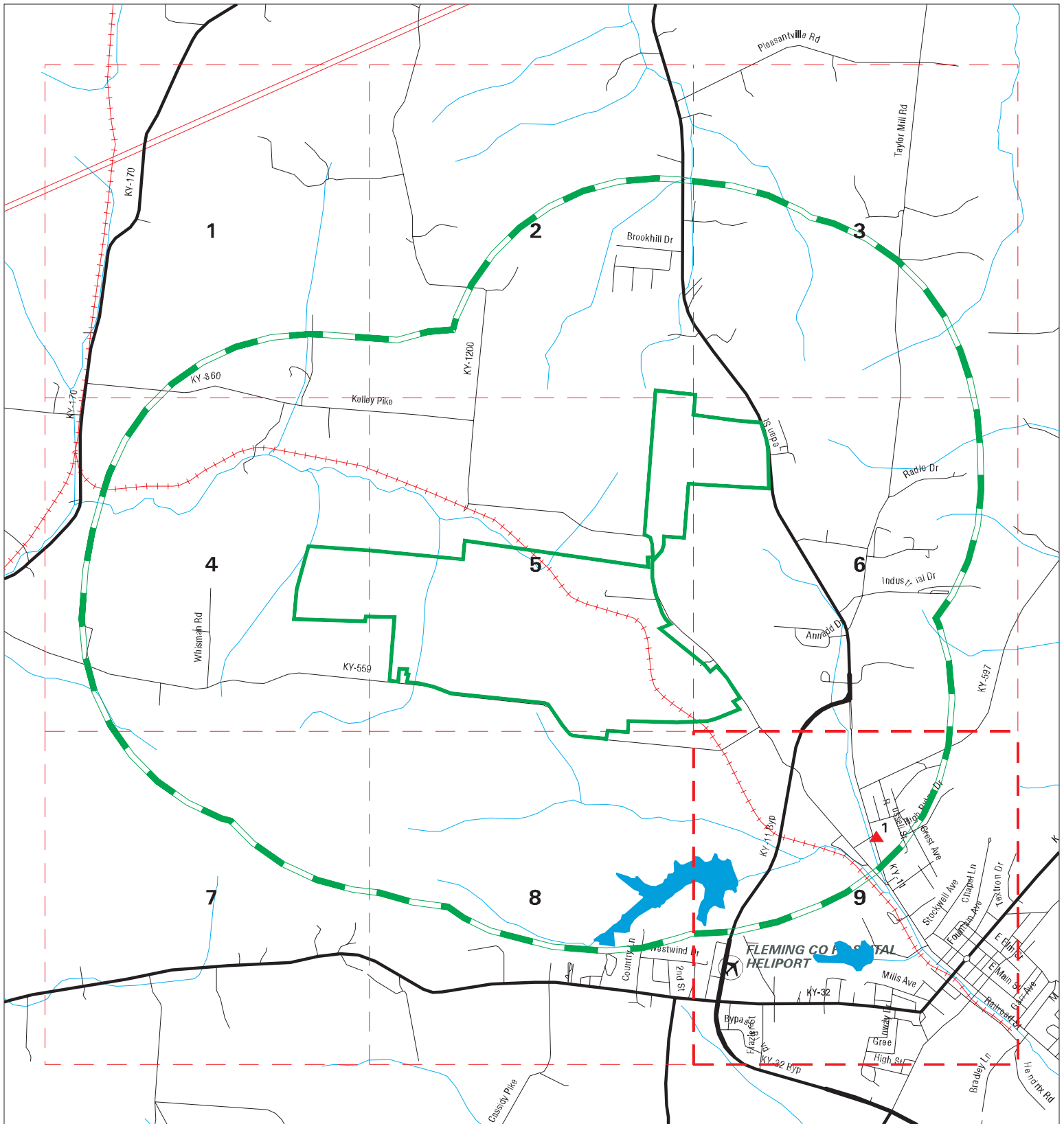
<u>Site</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
CHEAPS CHEVROLET-OLD Facility Id: 69607 Facility Status: Closed	714 W. WATER STREET	SE 1/2 - 1 (0.848 mi.)	1 / 9	24

MAPPED SITES SUMMARY

Target Property:
HELENA ROAD
FLEMINGSBURG, KY 41041

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
1 / 9	CHEAPS CHEVROLET-OLD	714 W. WATER STREET	SHWS	4478 0.848 SE

Key Map - 6407640.2s



- ▲ Sites
- ✓ Target Property
- - - Search Buffer
- - - Focus Map - No Sites
- Focus Map - Sites
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA



SITE NAME: Fleming
ADDRESS: Helena Road
CITY/STATE: Flemingsburg KY
ZIP: 41041

CLIENT: Energy Renewal Partners, LLC
CONTACT: Daniel Roberts
INQUIRY #: 6407640.2s
DATE: 03/16/21 12:57 PM

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<u>STANDARD ENVIRONMENTAL RECORDS</u>								
<i>Federal NPL site list</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site list</i>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	0	NR	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	TP		NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
SHWS	1.000		0	0	0	1	NR	1
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500		0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
PSTEAF	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
SB193	0.500		0	0	0	NR	NR	0
<i>State and tribal registered storage tank lists</i>								
FEMA UST	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

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

MAP FINDINGS SUMMARY

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

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

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

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS	TP		NR	NR	NR	NR	NR	0
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MAP FINDINGS SUMMARY

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

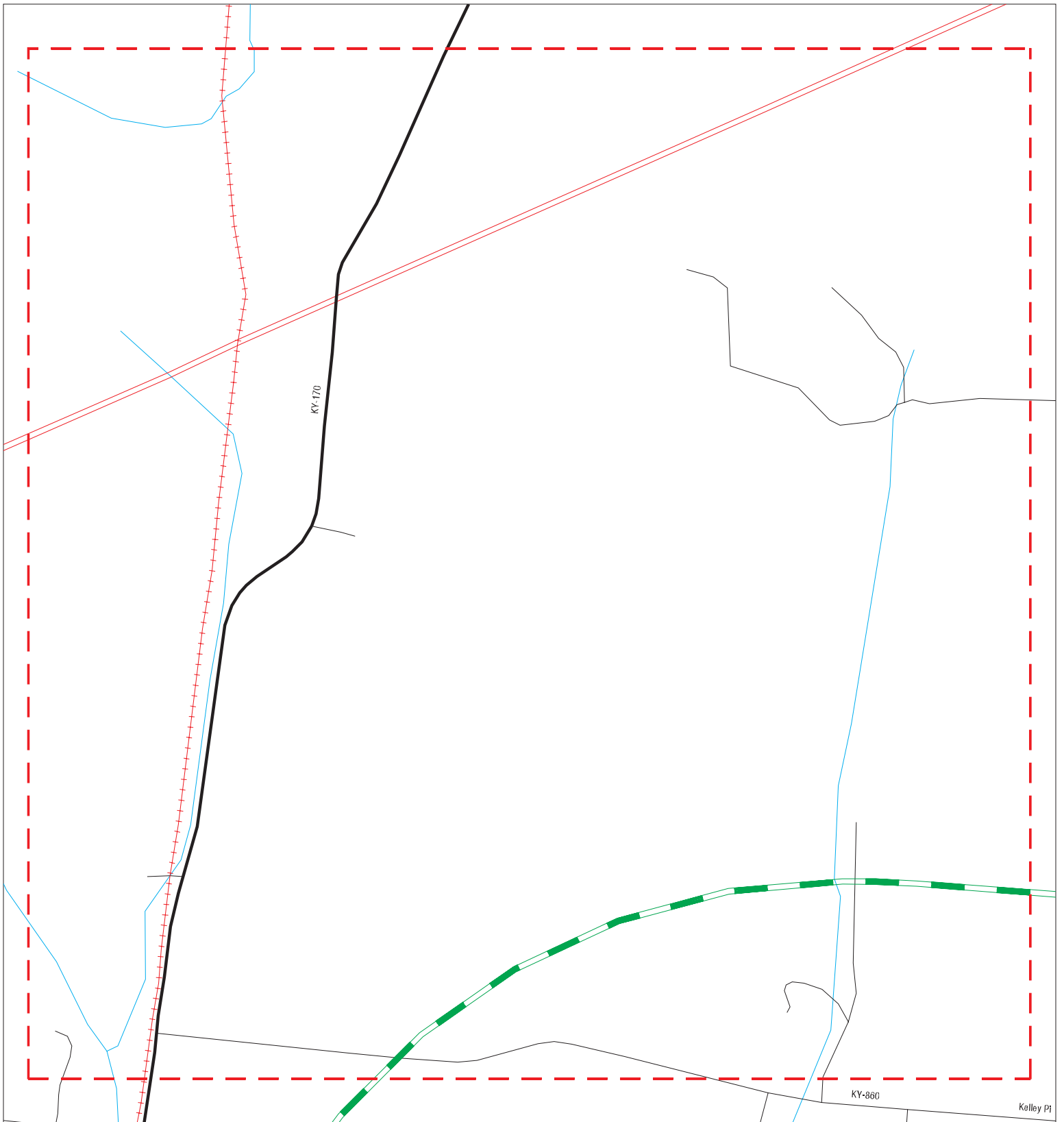
NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Focus Map - 1 - 6407640.2s



- ▲ Sites
- ▬ Target Property
- ▬ Search Buffer
- ▬ Focus Map - No Sites
- ▬ Focus Map - Sites
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA



SITE NAME: Fleming
 ADDRESS: Helena Road
 CITY/STATE: Flemingsburg KY
 ZIP: 41041

CLIENT: Energy Renewal Partners, LLC
 CONTACT: Daniel Roberts
 INQUIRY #: 6407640.2s
 DATE: 03/16/21

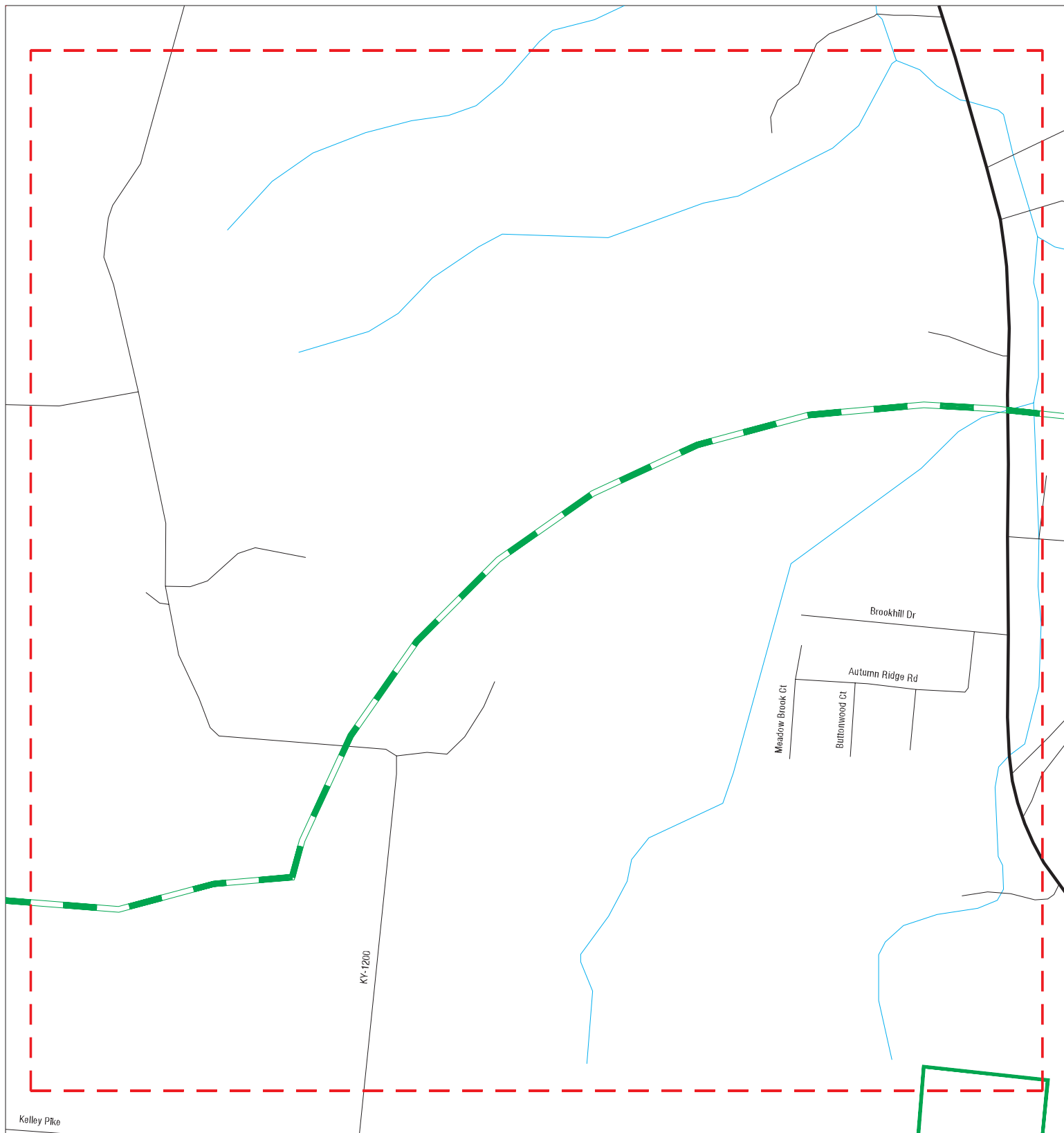
MAPPED SITES SUMMARY - FOCUS MAP 1

Target Property:
HELENA ROAD
FLEMINGSBURG, KY 41041

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
-----------------------	-----------	---------	-------------------	-------------------------------

NO MAPPED SITES FOUND

Focus Map - 2 - 6407640.2s



- ▲ Sites
- - - Target Property
- Search Buffer
- - - Focus Map - No Sites
- / - Focus Map - Sites
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA



SITE NAME: Fleming
ADDRESS: Helena Road
CITY/STATE: Flemingsburg KY
ZIP: 41041

CLIENT: Energy Renewal Partners, LLC
CONTACT: Daniel Roberts
INQUIRY #: 6407640.2s
DATE: 03/16/21

MAPPED SITES SUMMARY - FOCUS MAP 2

Target Property:
HELENA ROAD
FLEMINGSBURG, KY 41041

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
-----------------------	-----------	---------	-------------------	-------------------------------

NO MAPPED SITES FOUND

Focus Map - 3 - 6407640.2s



- ▲ Sites
- ▬ Target Property
- ▬ Search Buffer
- ▬ Focus Map - No Sites
- ▬ Focus Map - Sites
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA



SITE NAME: Fleming
 ADDRESS: Helena Road
 CITY/STATE: Flemingsburg KY
 ZIP: 41041

CLIENT: Energy Renewal Partners, LLC
 CONTACT: Daniel Roberts
 INQUIRY #: 6407640.2s
 DATE: 03/16/21

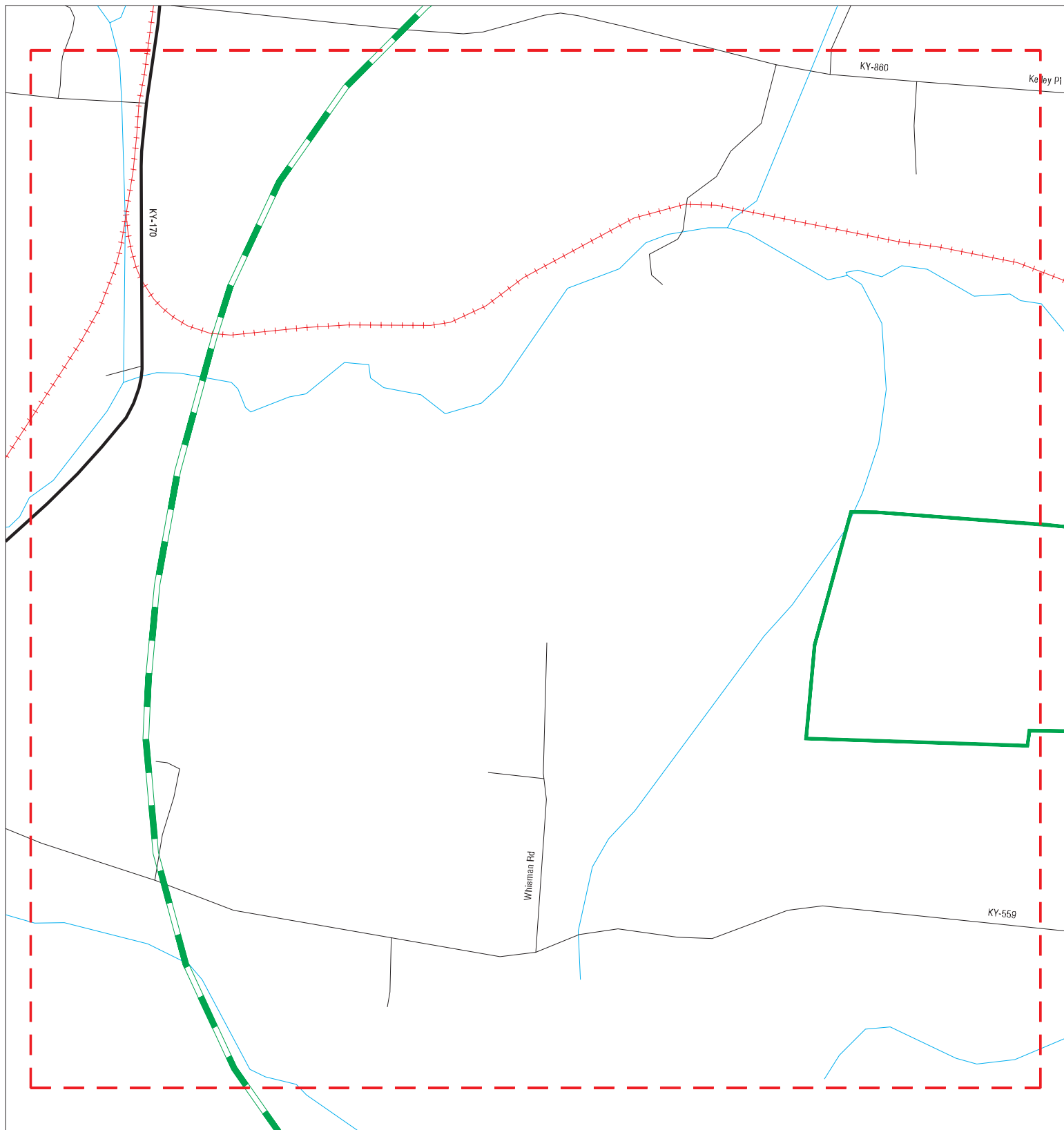
MAPPED SITES SUMMARY - FOCUS MAP 3

Target Property:
HELENA ROAD
FLEMINGSBURG, KY 41041

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
-----------------------	-----------	---------	-------------------	-------------------------------

NO MAPPED SITES FOUND

Focus Map - 4 - 6407640.2s



- ▲ Sites
- ▬ Target Property
- ▬ Search Buffer
- ▬ Focus Map - Sites
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- ▬ Focus Map - No Sites



SITE NAME: Fleming
ADDRESS: Helena Road
CITY/STATE: Flemingsburg KY
ZIP: 41041

CLIENT: Energy Renewal Partners, LLC
CONTACT: Daniel Roberts
INQUIRY #: 6407640.2s
DATE: 03/16/21

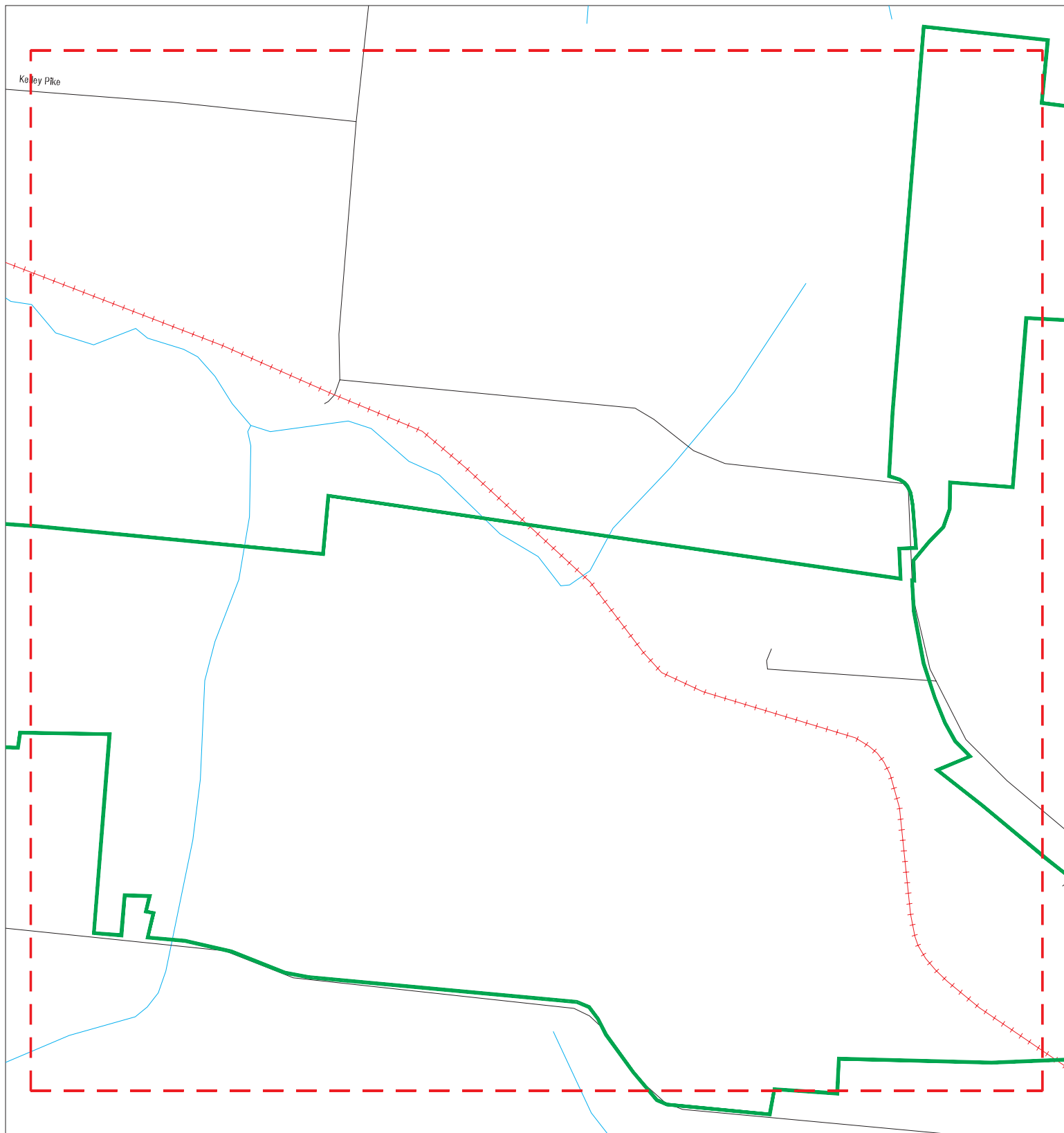
MAPPED SITES SUMMARY - FOCUS MAP 4

Target Property:
HELENA ROAD
FLEMINGSBURG, KY 41041

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
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NO MAPPED SITES FOUND

Focus Map - 5 - 6407640.2s



- | | | | |
|--|----------------------|---|------------------------------|
|  | Sites |  | Focus Map - Sites |
|  | Target Property |  | National Priority List Sites |
|  | Search Buffer |  | Dept. Defense Sites |
|  | Focus Map - No Sites |  | Indian Reservations BIA |



SITE NAME: Fleming
ADDRESS: Helena Road
CITY/STATE: Flemingsburg KY
ZIP: 41041

CLIENT: Energy Renewal Partners, LLC
CONTACT: Daniel Roberts
INQUIRY #: 6407640.2s
DATE: 03/16/21

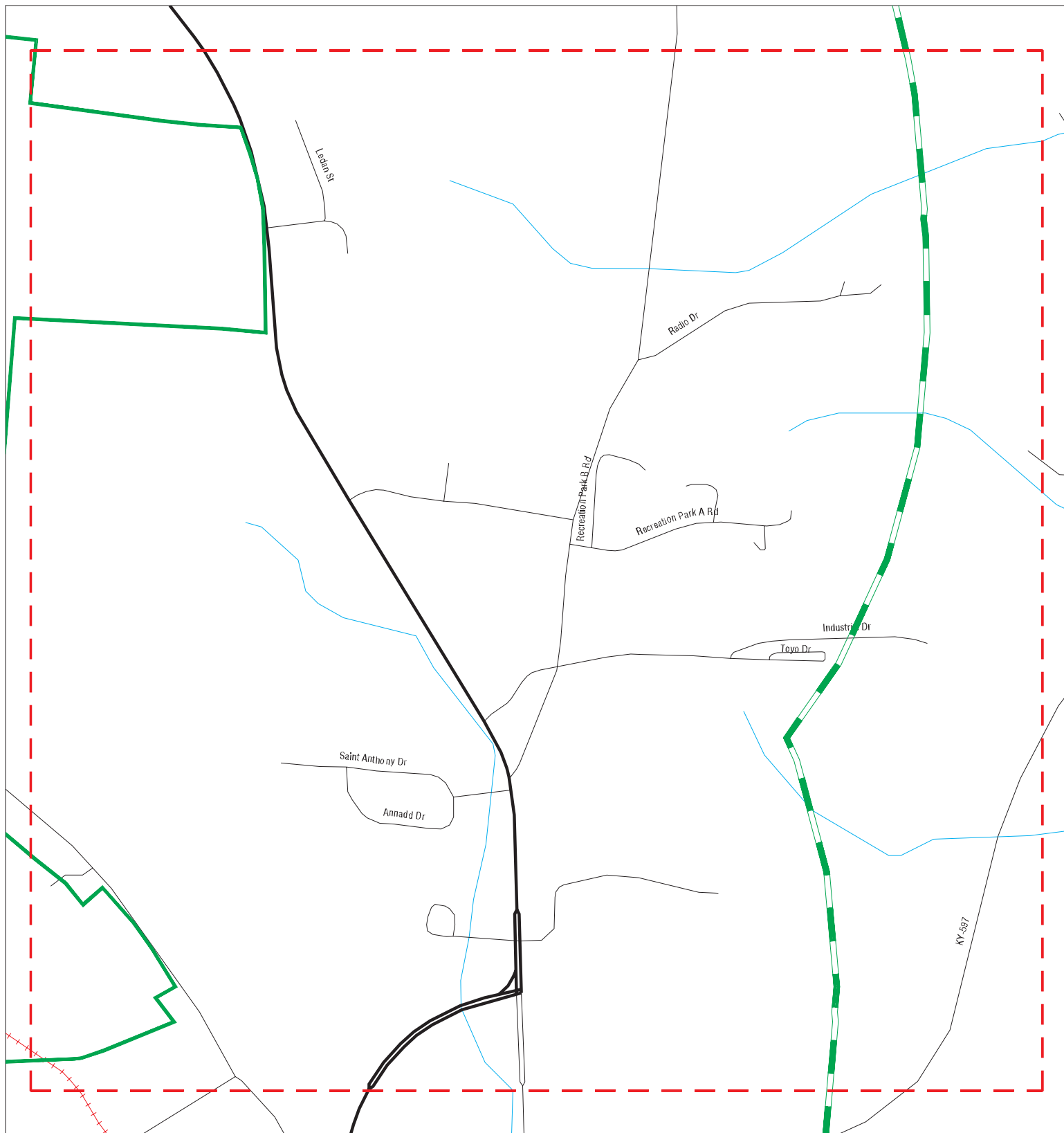
MAPPED SITES SUMMARY - FOCUS MAP 5

Target Property:
HELENA ROAD
FLEMINGSBURG, KY 41041

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
-----------------------	-----------	---------	-------------------	-------------------------------

NO MAPPED SITES FOUND

Focus Map - 6 - 6407640.2s



- ▲ Sites
- ▬ Target Property
- ▬ Search Buffer
- ▬ Focus Map - No Sites
- ▬ Focus Map - Sites
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA



SITE NAME: Fleming
ADDRESS: Helena Road
CITY/STATE: Flemingsburg KY
ZIP: 41041

CLIENT: Energy Renewal Partners, LLC
CONTACT: Daniel Roberts
INQUIRY #: 6407640.2s
DATE: 03/16/21

MAPPED SITES SUMMARY - FOCUS MAP 6

Target Property:
HELENA ROAD
FLEMINGSBURG, KY 41041

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
-----------------------	-----------	---------	-------------------	-------------------------------

NO MAPPED SITES FOUND

Focus Map - 7 - 6407640.2s



- ▲ Sites
- ↗ Target Property
- ↗ Search Buffer
- ↗ Focus Map - No Sites
- ↗ Focus Map - Sites
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA



<p>SITE NAME: Fleming ADDRESS: Helena Road CITY/STATE: Flemingsburg KY ZIP: 41041</p>	<p>CLIENT: Energy Renewal Partners, LLC CONTACT: Daniel Roberts INQUIRY #: 6407640.2s DATE: 03/16/21</p>
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MAPPED SITES SUMMARY - FOCUS MAP 7

Target Property:
HELENA ROAD
FLEMINGSBURG, KY 41041

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
-----------------------	-----------	---------	-------------------	-------------------------------

NO MAPPED SITES FOUND

Focus Map - 8 - 6407640.2s



- ▲ Sites
- - - Target Property
- - - Search Buffer
- - - Focus Map - No Sites
- - - Focus Map - Sites
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA



SITE NAME: Fleming ADDRESS: Helena Road CITY/STATE: Flemingsburg KY ZIP: 41041	CLIENT: Energy Renewal Partners, LLC CONTACT: Daniel Roberts INQUIRY #: 6407640.2s DATE: 03/16/21
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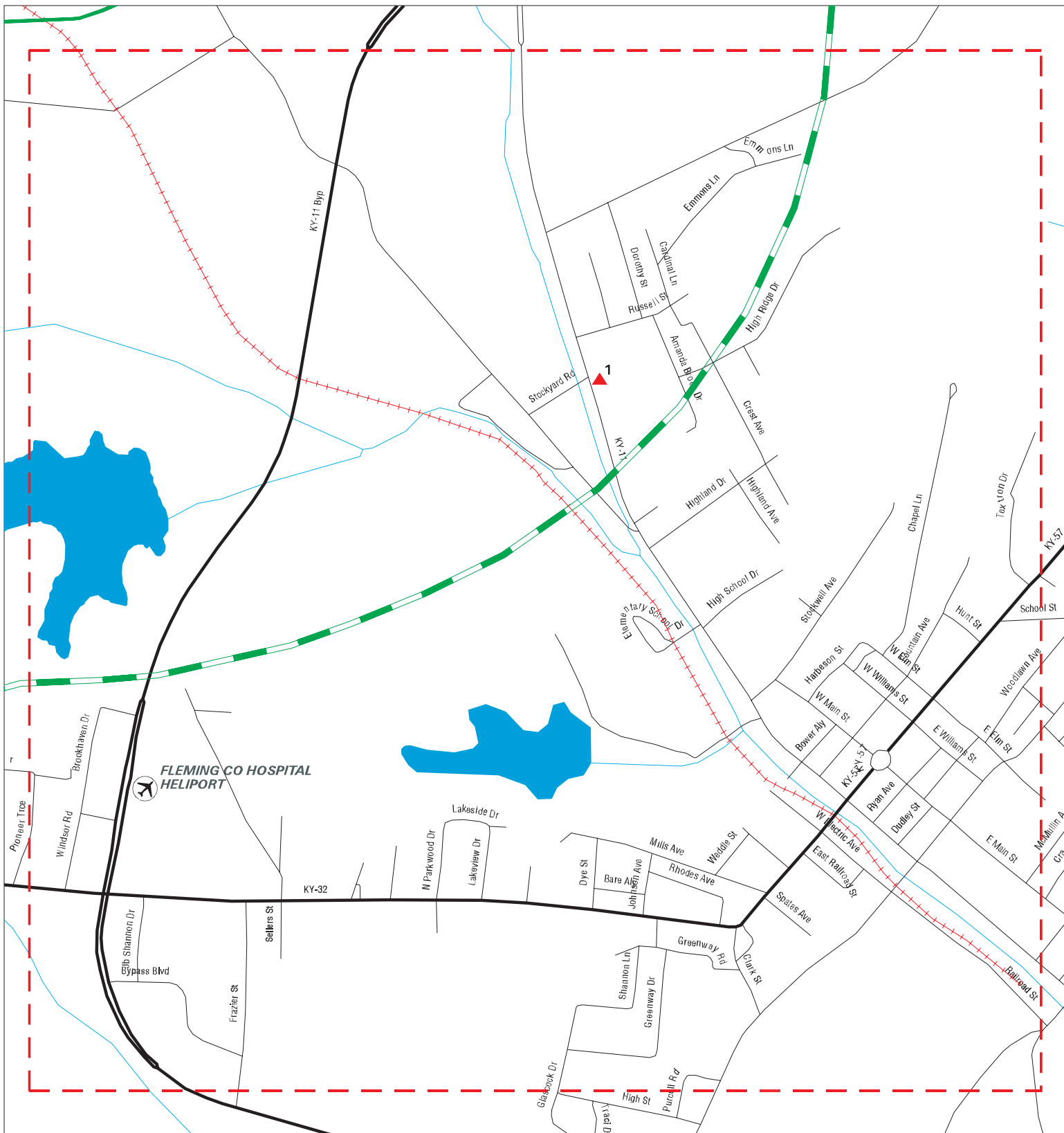
MAPPED SITES SUMMARY - FOCUS MAP 8

Target Property:
HELENA ROAD
FLEMINGSBURG, KY 41041

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
-----------------------	-----------	---------	-------------------	-------------------------------

NO MAPPED SITES FOUND

Focus Map - 9 - 6407640.2s



- ▲ Sites
- - - Target Property
- - - Search Buffer
- - - Focus Map - No Sites
- Focus Map - Sites
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA



SITE NAME: Fleming
ADDRESS: Helena Road
CITY/STATE: Flemingsburg KY
ZIP: 41041

CLIENT: Energy Renewal Partners, LLC
CONTACT: Daniel Roberts
INQUIRY #: 6407640.2s
DATE: 03/16/21

MAPPED SITES SUMMARY - FOCUS MAP 9

Target Property:
HELENA ROAD
FLEMINGSBURG, KY 41041

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
1 / 9	CHEAPS CHEVROLET-OLD	714 W. WATER STREET	SHWS	4478 0.848 SE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

1 **CHEAPS CHEVROLET-OLDS-GEO**
SE **714 W. WATER STREET**
1/2-1 **FLEMINGSBURG, KY 41041**
0.848 mi.
4478 ft.

SHWS **S108910463**
N/A

Actual:
832 ft.

Focus Map:
9

SHWS:

Name: CHEAPS CHEVROLET-OLDS-GEO
Address: 714 W. WATER STREET
City,State,Zip: FLEMINGSBURG, KY 41041
Facility Id: 69607
Status: Closed
Description: CALVIN CHEAP PROPERTY (Closed: Unfounded)
Closure Date: 09/15/2000
Longitude: -83.740711
Latitude: 38.431152
Subject Item County: Fleming
Sub Item Longitude: -83.739977
Sub Item Latitude: 38.429898
Subject Item Address: 714 W Water St
Subject Item Address2: Not reported
Subject Item City,St,Zip: Flemingsburg, KY 41041
Regulatory Desc: State Superfund
Closure Option: Unfounded
Side SG: 20462
Acreage: Not reported

Count: 2 records

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
FLEMINGSBURG	2007839942		128 HELENA ROAD	41041	ERNS
FLEMINGSBURG	1001232280	KENTUCKY DEPT OF HWYS	HWY 559 CONVICT PIKE	41041	RCRA NonGen / NLR

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

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

Date of Government Version: 12/30/2020	Source: EPA
Date Data Arrived at EDR: 01/14/2021	Telephone: N/A
Date Made Active in Reports: 02/09/2021	Last EDR Contact: 03/04/2021
Number of Days to Update: 26	Next Scheduled EDR Contact: 04/12/2021
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

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

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

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

Date of Government Version: 12/30/2020	Source: EPA
Date Data Arrived at EDR: 01/14/2021	Telephone: N/A
Date Made Active in Reports: 02/09/2021	Last EDR Contact: 03/04/2021
Number of Days to Update: 26	Next Scheduled EDR Contact: 04/12/2021
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

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

Date of Government Version: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 03/04/2021
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

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

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

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 12/23/2020
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 35

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/04/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 12/30/2020	Source: EPA
Date Data Arrived at EDR: 01/14/2021	Telephone: 800-424-9346
Date Made Active in Reports: 02/18/2021	Last EDR Contact: 03/04/2021
Number of Days to Update: 35	Next Scheduled EDR Contact: 04/26/2021
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/14/2020	Source: EPA
Date Data Arrived at EDR: 12/17/2020	Telephone: 800-424-9346
Date Made Active in Reports: 12/22/2020	Last EDR Contact: 12/17/2020
Number of Days to Update: 5	Next Scheduled EDR Contact: 04/05/2021
	Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

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

Date of Government Version: 12/14/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/17/2020	Telephone: (404) 562-8651
Date Made Active in Reports: 12/22/2020	Last EDR Contact: 12/17/2020
Number of Days to Update: 5	Next Scheduled EDR Contact: 04/05/2021
	Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 12/14/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/17/2020	Telephone: (404) 562-8651
Date Made Active in Reports: 12/22/2020	Last EDR Contact: 12/17/2020
Number of Days to Update: 5	Next Scheduled EDR Contact: 04/05/2021
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 12/14/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/17/2020	Telephone: (404) 562-8651
Date Made Active in Reports: 12/22/2020	Last EDR Contact: 12/17/2020
Number of Days to Update: 5	Next Scheduled EDR Contact: 04/05/2021
	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: 12/14/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/17/2020	Telephone: (404) 562-8651
Date Made Active in Reports: 12/22/2020	Last EDR Contact: 12/17/2020
Number of Days to Update: 5	Next Scheduled EDR Contact: 04/05/2021
	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: 11/11/2020	Source: Department of the Navy
Date Data Arrived at EDR: 11/17/2020	Telephone: 843-820-7326
Date Made Active in Reports: 02/09/2021	Last EDR Contact: 02/08/2021
Number of Days to Update: 84	Next Scheduled EDR Contact: 05/24/2021
	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: 10/28/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/05/2020	Telephone: 703-603-0695
Date Made Active in Reports: 11/18/2020	Last EDR Contact: 02/23/2021
Number of Days to Update: 13	Next Scheduled EDR Contact: 06/06/2021
	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: 10/28/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/05/2020	Telephone: 703-603-0695
Date Made Active in Reports: 11/18/2020	Last EDR Contact: 02/23/2021
Number of Days to Update: 13	Next Scheduled EDR Contact: 06/06/2021
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

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

Date of Government Version: 12/14/2020
Date Data Arrived at EDR: 12/15/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 7

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 12/15/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

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: 02/09/2021
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 02/17/2021
Number of Days to Update: 6

Source: Department of Environmental Protection
Telephone: 502-564-6716
Last EDR Contact: 02/09/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: Quarterly

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

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: 08/21/2020
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: 01/27/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Semi-Annually

State and tribal leaking storage tank lists

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: 08/01/2020
Date Data Arrived at EDR: 10/06/2020
Date Made Active in Reports: 12/24/2020
Number of Days to Update: 79

Source: Department of Environmental Protection
Telephone: 502-564-5981
Last EDR Contact: 01/05/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Quarterly

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

Date of Government Version: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 10/02/2020	Source: EPA Region 4
Date Data Arrived at EDR: 12/18/2020	Telephone: 404-562-8677
Date Made Active in Reports: 03/12/2021	Last EDR Contact: 12/16/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 05/03/2021
	Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/07/2020	Source: EPA, Region 5
Date Data Arrived at EDR: 12/16/2020	Telephone: 312-886-7439
Date Made Active in Reports: 03/12/2021	Last EDR Contact: 12/16/2020
Number of Days to Update: 86	Next Scheduled EDR Contact: 05/03/2021
	Data Release Frequency: Varies

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

Date of Government Version: 11/12/2020	Source: EPA Region 10
Date Data Arrived at EDR: 12/16/2020	Telephone: 206-553-2857
Date Made Active in Reports: 03/12/2021	Last EDR Contact: 12/16/2020
Number of Days to Update: 86	Next Scheduled EDR Contact: 05/03/2021
	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: 10/01/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/16/2020	Telephone: 415-972-3372
Date Made Active in Reports: 03/12/2021	Last EDR Contact: 12/16/2020
Number of Days to Update: 86	Next Scheduled EDR Contact: 05/03/2021
	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: 10/01/2020	Source: EPA Region 1
Date Data Arrived at EDR: 12/16/2020	Telephone: 617-918-1313
Date Made Active in Reports: 03/12/2021	Last EDR Contact: 12/16/2020
Number of Days to Update: 86	Next Scheduled EDR Contact: 05/03/2021
	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: 09/30/2020	Source: EPA Region 7
Date Data Arrived at EDR: 12/22/2020	Telephone: 913-551-7003
Date Made Active in Reports: 03/12/2021	Last EDR Contact: 12/16/2020
Number of Days to Update: 80	Next Scheduled EDR Contact: 05/03/2021
	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: 10/09/2020	Source: EPA Region 8
Date Data Arrived at EDR: 12/16/2020	Telephone: 303-312-6271
Date Made Active in Reports: 03/12/2021	Last EDR Contact: 12/16/2020
Number of Days to Update: 86	Next Scheduled EDR Contact: 05/03/2021
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 07/21/2020
Date Data Arrived at EDR: 09/03/2020
Date Made Active in Reports: 11/25/2020
Number of Days to Update: 83

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 01/04/2021
Next Scheduled EDR Contact: 04/19/2021
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: 09/30/2020
Date Data Arrived at EDR: 11/19/2020
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 82

Source: Department of Environmental Protection
Telephone: 502-564-5981
Last EDR Contact: 02/24/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: Quarterly

AST: Above Ground Storage Tanks

A listing of aboveground storage tank site locations.

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 02/12/2021
Number of Days to Update: 1

Source: Office of State Fire Marshal
Telephone: 502-564-4010
Last EDR Contact: 02/09/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/02/2020
Date Data Arrived at EDR: 12/18/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 84

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
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: 11/12/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 12/15/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 10/01/2020	Source: EPA, Region 1
Date Data Arrived at EDR: 12/16/2020	Telephone: 617-918-1313
Date Made Active in Reports: 03/12/2021	Last EDR Contact: 12/16/2020
Number of Days to Update: 86	Next Scheduled EDR Contact: 05/03/2021
	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: 10/01/2020	Source: EPA Region 9
Date Data Arrived at EDR: 12/16/2020	Telephone: 415-972-3368
Date Made Active in Reports: 03/12/2021	Last EDR Contact: 12/16/2020
Number of Days to Update: 86	Next Scheduled EDR Contact: 05/03/2021
	Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

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

Date of Government Version: 09/30/2020	Source: EPA Region 7
Date Data Arrived at EDR: 12/22/2020	Telephone: 913-551-7003
Date Made Active in Reports: 03/12/2021	Last EDR Contact: 12/16/2020
Number of Days to Update: 80	Next Scheduled EDR Contact: 05/03/2021
	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: 10/07/2020	Source: EPA Region 5
Date Data Arrived at EDR: 12/16/2020	Telephone: 312-886-6136
Date Made Active in Reports: 03/12/2021	Last EDR Contact: 12/16/2020
Number of Days to Update: 86	Next Scheduled EDR Contact: 05/03/2021
	Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/08/2020	Source: EPA Region 6
Date Data Arrived at EDR: 05/20/2020	Telephone: 214-665-7591
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 12/16/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 05/03/2021
	Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/09/2020	Source: EPA Region 8
Date Data Arrived at EDR: 12/16/2020	Telephone: 303-312-6137
Date Made Active in Reports: 03/12/2021	Last EDR Contact: 12/16/2020
Number of Days to Update: 86	Next Scheduled EDR Contact: 05/03/2021
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 11/17/2020	Source: Department of Environmental Protection
Date Data Arrived at EDR: 11/19/2020	Telephone: 502-564-6716
Date Made Active in Reports: 02/08/2021	Last EDR Contact: 02/22/2021
Number of Days to Update: 81	Next Scheduled EDR Contact: 06/06/2021
	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: 11/17/2020	Source: Department of Environmental Protection
Date Data Arrived at EDR: 11/19/2020	Telephone: 502-564-6716
Date Made Active in Reports: 02/12/2021	Last EDR Contact: 02/23/2021
Number of Days to Update: 85	Next Scheduled EDR Contact: 06/06/2021
	Data Release Frequency: Varies

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	Source: EPA, Region 1
Date Data Arrived at EDR: 09/29/2015	Telephone: 617-918-1102
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 12/15/2020
Number of Days to Update: 142	Next Scheduled EDR Contact: 04/05/2021
	Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Listing

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

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

VCP: Voluntary Cleanup Program Sites

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

Date of Government Version: 12/22/2020	Source: Department of Environmental Protection
Date Data Arrived at EDR: 12/22/2020	Telephone: 502-564-6716
Date Made Active in Reports: 03/12/2021	Last EDR Contact: 12/21/2020
Number of Days to Update: 80	Next Scheduled EDR Contact: 04/12/2021
	Data Release Frequency: Varies

State and tribal Brownfields 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: 09/08/2020	Source: Division of Compliance Assistance
Date Data Arrived at EDR: 10/09/2020	Telephone: 502-564-0323
Date Made Active in Reports: 12/30/2020	Last EDR Contact: 01/11/2021
Number of Days to Update: 82	Next Scheduled EDR Contact: 04/26/2021
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

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

Date of Government Version: 12/11/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/11/2020	Telephone: 202-566-2777
Date Made Active in Reports: 03/02/2021	Last EDR Contact: 12/11/2020
Number of Days to Update: 81	Next Scheduled EDR Contact: 03/29/2021
	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	Source: Department of Environmental Protection
Date Data Arrived at EDR: 03/30/2006	Telephone: 502-564-6716
Date Made Active in Reports: 05/01/2006	Last EDR Contact: 02/23/2009
Number of Days to Update: 32	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	Source: Department of Environmental Protection
Date Data Arrived at EDR: 10/14/2020	Telephone: 502-564-6716
Date Made Active in Reports: 01/04/2021	Last EDR Contact: 01/15/2021
Number of Days to Update: 82	Next Scheduled EDR Contact: 04/26/2021
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 01/25/2021
Number of Days to Update: 52	Next Scheduled EDR Contact: 05/10/2021
	Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

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

Date of Government Version: 01/12/2009	Source: EPA, Region 9
Date Data Arrived at EDR: 05/07/2009	Telephone: 415-947-4219
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 01/19/2021
Number of Days to Update: 137	Next Scheduled EDR Contact: 05/03/2021
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ODI: Open Dump Inventory

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

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

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

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Services, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 01/29/2021
Next Scheduled EDR Contact: 05/10/2021
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: 12/07/2020
Date Data Arrived at EDR: 12/09/2020
Date Made Active in Reports: 03/02/2021
Number of Days to Update: 83

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/22/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: No Update Planned

CDL: Clandestine Drug Lab Location Listing

Clandestine drug lab site locations.

Date of Government Version: 11/17/2020
Date Data Arrived at EDR: 11/19/2020
Date Made Active in Reports: 02/05/2021
Number of Days to Update: 78

Source: Department of Environmental Protection
Telephone: 502-564-6716
Last EDR Contact: 02/22/2021
Next Scheduled EDR Contact: 06/06/2021
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: 12/07/2020
Date Data Arrived at EDR: 12/09/2020
Date Made Active in Reports: 03/02/2021
Number of Days to Update: 83

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/22/2021
Next Scheduled EDR Contact: 06/06/2021
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 03/04/2021
Next Scheduled EDR Contact: 04/12/2021
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: 12/16/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 85

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

SPILLS: State spills

A listing of spill and/or release related incidents.

Date of Government Version: 09/18/2020
Date Data Arrived at EDR: 10/09/2020
Date Made Active in Reports: 12/30/2020
Number of Days to Update: 82

Source: DEP, Emergency Response
Telephone: 502-564-2380
Last EDR Contact: 01/11/2021
Next Scheduled EDR Contact: 04/26/2021
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: 12/14/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 5

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
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: 09/29/2020
Date Data Arrived at EDR: 11/17/2020
Date Made Active in Reports: 01/25/2021
Number of Days to Update: 69

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 02/17/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Varies

DOD: Department of Defense Sites

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

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 01/15/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FEDLAND: Federal and Indian Lands

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

Date of Government Version: 04/02/2018	Source: U.S. Geological Survey
Date Data Arrived at EDR: 04/11/2018	Telephone: 888-275-8747
Date Made Active in Reports: 11/06/2019	Last EDR Contact: 01/07/2021
Number of Days to Update: 574	Next Scheduled EDR Contact: 04/19/2021
	Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

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

Date of Government Version: 01/01/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/03/2017	Telephone: 615-532-8599
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 02/09/2021
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/24/2021
	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: 12/14/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/17/2020	Telephone: 202-566-1917
Date Made Active in Reports: 03/12/2021	Last EDR Contact: 12/17/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 04/05/2021
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/21/2014	Telephone: 617-520-3000
Date Made Active in Reports: 06/17/2014	Last EDR Contact: 02/02/2021
Number of Days to Update: 88	Next Scheduled EDR Contact: 05/17/2021
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/08/2018	Telephone: 703-308-4044
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 02/05/2021
Number of Days to Update: 73	Next Scheduled EDR Contact: 05/17/2021
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2016	Source: EPA
Date Data Arrived at EDR: 06/17/2020	Telephone: 202-260-5521
Date Made Active in Reports: 09/10/2020	Last EDR Contact: 12/18/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 03/29/2021
	Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

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

Date of Government Version: 12/31/2018	Source: EPA
Date Data Arrived at EDR: 08/14/2020	Telephone: 202-566-0250
Date Made Active in Reports: 11/04/2020	Last EDR Contact: 02/02/2021
Number of Days to Update: 82	Next Scheduled EDR Contact: 05/31/2021
	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: 10/19/2020	Source: EPA
Date Data Arrived at EDR: 10/19/2020	Telephone: 202-564-4203
Date Made Active in Reports: 01/04/2021	Last EDR Contact: 01/21/2021
Number of Days to Update: 77	Next Scheduled EDR Contact: 05/03/2021
	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: 12/30/2020	Source: EPA
Date Data Arrived at EDR: 01/14/2021	Telephone: 703-416-0223
Date Made Active in Reports: 02/18/2021	Last EDR Contact: 03/04/2021
Number of Days to Update: 35	Next Scheduled EDR Contact: 06/14/2021
	Data Release Frequency: Annually

RMP: Risk Management Plans

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 11/02/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/12/2020	Telephone: 202-564-8600
Date Made Active in Reports: 01/25/2021	Last EDR Contact: 01/19/2021
Number of Days to Update: 74	Next Scheduled EDR Contact: 05/03/2021
	Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

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

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

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 12/30/2020	Source: EPA
Date Data Arrived at EDR: 01/14/2021	Telephone: 202-564-6023
Date Made Active in Reports: 03/05/2021	Last EDR Contact: 03/11/2021
Number of Days to Update: 50	Next Scheduled EDR Contact: 05/17/2021
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

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

Date of Government Version: 10/09/2019	Source: EPA
Date Data Arrived at EDR: 10/11/2019	Telephone: 202-566-0500
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 01/08/2021
Number of Days to Update: 70	Next Scheduled EDR Contact: 04/19/2021
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

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

Date of Government Version: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 12/30/2020
Number of Days to Update: 79	Next Scheduled EDR Contact: 04/19/2021
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	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	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	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: 08/05/2020	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 08/10/2020	Telephone: 301-415-7169
Date Made Active in Reports: 10/08/2020	Last EDR Contact: 01/19/2021
Number of Days to Update: 59	Next Scheduled EDR Contact: 05/03/2021
	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: 12/31/2019	Source: Department of Energy
Date Data Arrived at EDR: 12/01/2020	Telephone: 202-586-8719
Date Made Active in Reports: 02/09/2021	Last EDR Contact: 03/05/2021
Number of Days to Update: 70	Next Scheduled EDR Contact: 06/14/2021
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/05/2019	Telephone: N/A
Date Made Active in Reports: 11/11/2019	Last EDR Contact: 03/02/2021
Number of Days to Update: 251	Next Scheduled EDR Contact: 06/14/2021
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/06/2019	Telephone: 202-566-0517
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 02/05/2021
Number of Days to Update: 96	Next Scheduled EDR Contact: 05/17/2021
	Data Release Frequency: Varies

RADINFO: Radiation Information Database

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 01/08/2021
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

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

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

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

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

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

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

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

DOT OPS: Incident and Accident Data

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

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

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 01/27/2021
Next Scheduled EDR Contact: 05/10/2021
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: 09/30/2020
Date Data Arrived at EDR: 10/08/2020
Date Made Active in Reports: 01/04/2021
Number of Days to Update: 88

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 01/04/2021
Next Scheduled EDR Contact: 04/19/2021
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: 12/31/2017
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 11/20/2020
Number of Days to Update: 151

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 12/23/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Biennially

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN RESERV: Indian Reservations

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

Date of Government Version: 12/31/2014	Source: USGS
Date Data Arrived at EDR: 07/14/2015	Telephone: 202-208-3710
Date Made Active in Reports: 01/10/2017	Last EDR Contact: 01/08/2021
Number of Days to Update: 546	Next Scheduled EDR Contact: 04/19/2021
	Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

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

Date of Government Version: 08/08/2017	Source: Department of Energy
Date Data Arrived at EDR: 09/11/2018	Telephone: 202-586-3559
Date Made Active in Reports: 09/14/2018	Last EDR Contact: 02/02/2021
Number of Days to Update: 3	Next Scheduled EDR Contact: 05/17/2021
	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	Source: Department of Energy
Date Data Arrived at EDR: 11/15/2019	Telephone: 505-845-0011
Date Made Active in Reports: 01/28/2020	Last EDR Contact: 02/18/2021
Number of Days to Update: 74	Next Scheduled EDR Contact: 05/31/2021
	Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 12/30/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/14/2021	Telephone: 703-603-8787
Date Made Active in Reports: 02/09/2021	Last EDR Contact: 03/04/2021
Number of Days to Update: 26	Next Scheduled EDR Contact: 04/12/2021
	Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

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

Date of Government Version: 04/05/2001	Source: American Journal of Public Health
Date Data Arrived at EDR: 10/27/2010	Telephone: 703-305-6451
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 12/02/2009
Number of Days to Update: 36	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

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

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data A listing of minor source facilities.

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

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

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

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/23/2020
Date Made Active in Reports: 01/25/2021
Number of Days to Update: 63

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/24/2021
Next Scheduled EDR Contact: 06/06/2021
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: 11/24/2020
Date Data Arrived at EDR: 11/30/2020
Date Made Active in Reports: 01/25/2021
Number of Days to Update: 56

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 03/01/2021
Next Scheduled EDR Contact: 06/14/2021
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: 02/26/2021
Next Scheduled EDR Contact: 06/06/2021
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: 02/26/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/11/2020
Date Data Arrived at EDR: 12/11/2020
Date Made Active in Reports: 03/02/2021
Number of Days to Update: 81

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 03/08/2021
Next Scheduled EDR Contact: 06/21/2021
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: 11/04/2020
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 01/25/2021
Number of Days to Update: 55

Source: EPA
Telephone: (404) 562-9900
Last EDR Contact: 03/03/2021
Next Scheduled EDR Contact: 06/14/2021
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: 11/03/2020
Date Data Arrived at EDR: 11/17/2020
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 02/26/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 07/02/2020
Date Made Active in Reports: 09/17/2020
Number of Days to Update: 77

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 01/15/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

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

Date of Government Version: 10/03/2020
Date Data Arrived at EDR: 10/06/2020
Date Made Active in Reports: 01/04/2021
Number of Days to Update: 90

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 01/08/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

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

Date of Government Version: 11/13/2020
Date Data Arrived at EDR: 11/13/2020
Date Made Active in Reports: 01/25/2021
Number of Days to Update: 73

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 02/17/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Quarterly

AIRS: Permitted Airs Facility Listing

A listing of permitted Airs facilities.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/21/2020
Date Data Arrived at EDR: 10/22/2020
Date Made Active in Reports: 01/12/2021
Number of Days to Update: 82

Source: Department of Environmental Protection
Telephone: 502-573-3382
Last EDR Contact: 01/25/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Semi-Annually

ASBESTOS: Asbestos Notification Listing Asbestos sites

Date of Government Version: 12/04/2020
Date Data Arrived at EDR: 12/08/2020
Date Made Active in Reports: 02/23/2021
Number of Days to Update: 77

Source: Department of Environmental Protection
Telephone: 502-782-6780
Last EDR Contact: 03/01/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Varies

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

Date of Government Version: 04/17/2020
Date Data Arrived at EDR: 04/20/2020
Date Made Active in Reports: 05/06/2020
Number of Days to Update: 16

Source: Department of Environmental Protection
Telephone: 502-564-6716
Last EDR Contact: 01/05/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: No Update Planned

DRYCLEANERS: Drycleaner Listing A listing of drycleaner facility locations.

Date of Government Version: 10/21/2020
Date Data Arrived at EDR: 10/22/2020
Date Made Active in Reports: 01/12/2021
Number of Days to Update: 82

Source: Department of Environmental Protection
Telephone: 502-573-3382
Last EDR Contact: 01/25/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Semi-Annually

Financial Assurance 1: Financial Assurance Information Listing A listing of financial assurance information.

Date of Government Version: 10/22/2020
Date Data Arrived at EDR: 10/22/2020
Date Made Active in Reports: 01/12/2021
Number of Days to Update: 82

Source: Department of Environmental Protection
Telephone: 502-564-6716
Last EDR Contact: 01/25/2021
Next Scheduled EDR Contact: 05/10/2021
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: 01/25/2021
Next Scheduled EDR Contact: 05/10/2021
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: 10/22/2020
Date Data Arrived at EDR: 10/22/2020
Date Made Active in Reports: 01/12/2021
Number of Days to Update: 82

Source: Department of Environmental Protection
Telephone: 502-564-6716
Last EDR Contact: 01/25/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 02/01/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Varies

NPDES: Permitted Facility Listing A listing of permitted wastewater facilities.

Date of Government Version: 10/26/2020
Date Data Arrived at EDR: 10/26/2020
Date Made Active in Reports: 01/13/2021
Number of Days to Update: 79

Source: Department of Environmental Protection
Telephone: 502-564-3410
Last EDR Contact: 02/01/2021
Next Scheduled EDR Contact: 05/17/2021
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: 07/31/2020
Date Data Arrived at EDR: 10/13/2020
Date Made Active in Reports: 01/04/2021
Number of Days to Update: 83

Source: Kentucky Geological Survey
Telephone: 859-323-0544
Last EDR Contact: 01/12/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Quarterly

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: 01/04/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Semi-Annually

MINES MRDS: Mineral Resources Data System Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 02/26/2021
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: Varies

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 12/30/2020
Next Scheduled EDR Contact: 04/19/2021
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: 01/04/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

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

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

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

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

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

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

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

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

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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: 08/10/2020	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 10/20/2020	Telephone: 860-424-3375
Date Made Active in Reports: 11/02/2020	Last EDR Contact: 02/12/2021
Number of Days to Update: 13	Next Scheduled EDR Contact: 05/24/2021
	Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018	Source: Department of Environmental Protection
Date Data Arrived at EDR: 04/10/2019	Telephone: N/A
Date Made Active in Reports: 05/16/2019	Last EDR Contact: 01/08/2021
Number of Days to Update: 36	Next Scheduled EDR Contact: 04/19/2021
	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	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 04/29/2020	Telephone: 518-402-8651
Date Made Active in Reports: 07/10/2020	Last EDR Contact: 01/29/2021
Number of Days to Update: 72	Next Scheduled EDR Contact: 05/10/2021
	Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/19/2019	Telephone: 717-783-8990
Date Made Active in Reports: 09/10/2019	Last EDR Contact: 01/11/2021
Number of Days to Update: 53	Next Scheduled EDR Contact: 04/26/2021
	Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 02/24/2021
Number of Days to Update: 13

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/09/2021
Next Scheduled EDR Contact: 05/31/2021
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: 03/08/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

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

Electric Power Transmission Line Data

Source: Endeavor Business Media

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

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

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

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

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

Nursing Homes

Source: National Institutes of Health
Telephone: 301-594-6248

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

Public Schools

Source: National Center for Education Statistics
Telephone: 202-502-7300

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

Private Schools

Source: National Center for Education Statistics
Telephone: 202-502-7300

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

Daycare Centers: Certified Child Care Homes

Source: Cabinet for Families & Children
Telephone: 502-564-7130

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

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

State Wetlands Data: Wetland Inventory

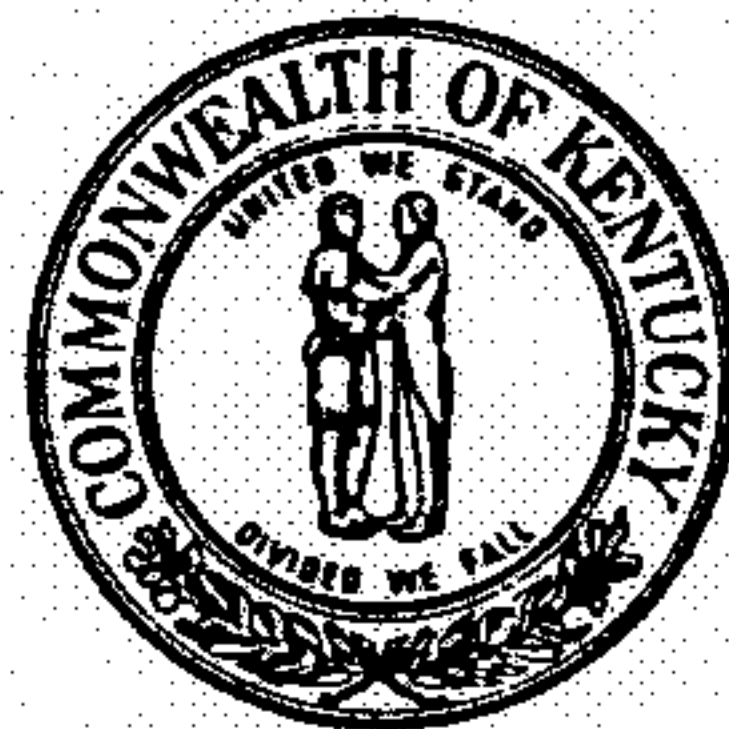
Source: Environmental & Public Protection Cabinet

Telephone: 502-564-6736

STREET AND ADDRESS INFORMATION

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PHILLIP J. SHEPHERD
SECRETARY



Permits
file
BRERETON C. JONES
GOVERNOR

COMMONWEALTH OF KENTUCKY
NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
FRANKFORT OFFICE PARK
14 REILLY ROAD
FRANKFORT, KENTUCKY 40601

The Honorable Demaree C. Todd
Mayor, City of Flemingsburg
P.O. Box 126 -
Flemingsburg, Kentucky 41041

February 6, 1995

CERTIFIED MAIL #Z 098 971 825

RE: Construction\Operation Permit
Type B Landfarming Facility
Pending #035-00007 LB1MOMM
FINDS #KY0000933812
Permit #035-00007
Fleming County

Dear Mayor Todd:

The revised permit for your special waste disposal facility is enclosed. You should review the permit and the application submitted for this permit. The revision is to add additional disposal acreage to your facility. In the event you do not agree with the terms of these documents, you must notify this office in writing within thirty (30) days of receipt of this letter. Unless this office is notified, you are expected to comply with the terms of the applicable regulations, the permit application and the permit. You are advised, that you have the right to file petition for an administrative hearing pursuant to KRS 224.10-420(2).

Should you have any questions regarding this action, contact George F. Gilbert, Jr., P.E., at (502) 564-6716.

Sincerely,

A handwritten signature in cursive script, appearing to read "Caroline P. Haight".

Caroline P. Haight, Director
Division of Waste Management

CPH:MGD:akw

Enclosure

c: Morehead Regional Office
LeMoyne Pilcher
Mary Ann Goins
Fleming County Fiscal Court
Mark Crim
LF/SW



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Kentucky Natural Resources and Environmental Protection Cabinet
Department for Environmental Protection
Division of Waste Management

SPECIAL WASTE DISPOSAL FACILITY PERMIT

CITY OF FLEMINGSBURG

P.O. Box 126
Flemingsburg, Kentucky 41041

The Division of Waste Management hereby grants the above-named facility a permit to engage in the activity specified below. This permit has been issued under the provisions of KRS Chapter 224 and regulations promulgated pursuant thereto and is subject to all conditions and operating limitations contained herein. Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by this Cabinet and/or other state and local agencies.

--See Page 2--

No deviation from the plans and specifications submitted with your application or the conditions specified herein is allowed, unless authorized in writing from the Division of Waste Management. Violation of the terms and conditions specified herein shall render this permit null and void. All rights of inspection by representatives of the Division of Waste Management are reserved. Conformance with all applicable Waste Management Regulations is the responsibility of the permittee. Receipt of the permit fee and bond amount specified below is hereby acknowledged.

PERMIT TYPE: Construction/Operation

PERMIT NUMBER: 035-00007

TYPE OF ACTIVITY: Type B Landfarming

FINDS NUMBER: KY0000933812

BOND:

COUNTY: Fleming

INSTRUMENT TYPE: NA

INSTRUMENT NUMBER: NA

AMOUNT: NA

ACRES:

WASTE DISPOSAL AREA: 15.2

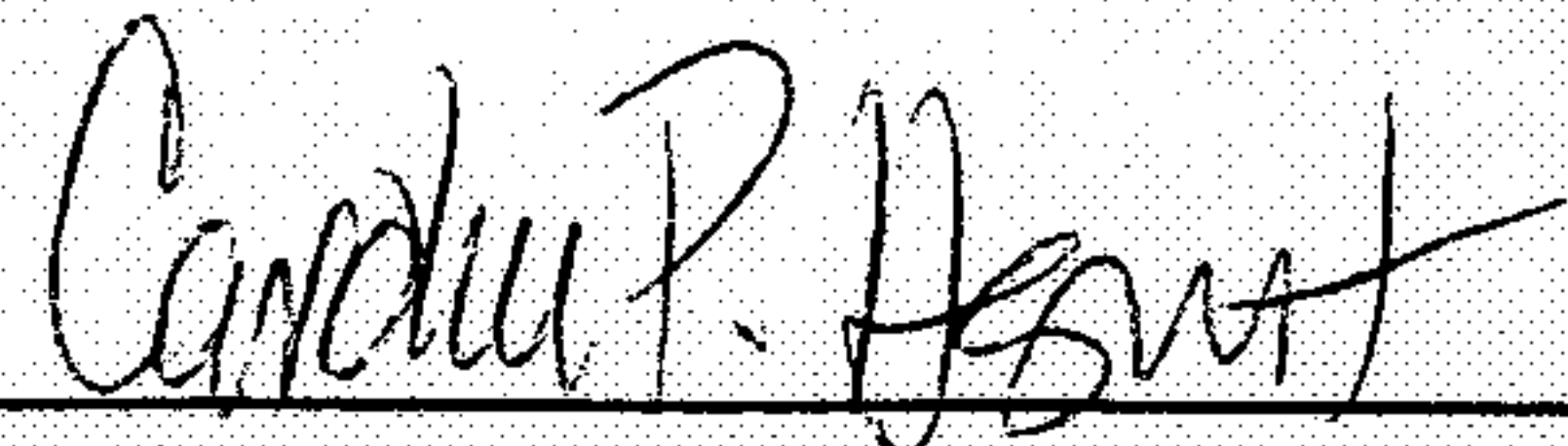
PERMIT AREA: 15.2


Issued this 6th day of February 1995

PERMIT FEE: NA

EFFECTIVE DATE: January 24, 1994

EXPIRATION DATE: January 24, 2004


Caroline P. Haight, Director


Robert W. Logan, Commissioner

SPECIAL WASTE DISPOSAL FACILITY PERMIT - Continued

1. The permittee shall comply with 401 KAR 45:140, Section 1, relating to conditions applicable to all permits.
2. The permittee shall clearly mark the required minimum buffer zone distances around the site as required by 401 KAR 45:100 Section 5.
3. The permittee shall stake or otherwise clearly mark the subplots in the field.
4. The permittee shall place a sign at the entrance to the landfarming facility. The sign shall indicate the source and type of waste and the type of operation, the name of the operator, name of farm, the permit number 035-00007, the contact person, and the emergency telephone number.
5. The permittee shall provide a means to restrict access to the application zone(s) for a period of twelve (12) months after each application.
6. The permittee shall have all components for the operation of the landfarm ready for inspection. This shall include: application site(s), application vehicle(s), record keeping procedure(s), record storage location(s), and associated treatment facility equipment and processes.
7. The permittee shall conspicuously display a copy of the construction/operation permit at the special waste site or facility.
8. The permittee shall conspicuously display a copy of the operator's certification at the facility office or the certificate shall be carried on the person of the certified operator during working hours at the facility.
9. The permittee shall submit an annual landfarming report on forms provided by the Division sixty (60) days prior to the anniversary date of this permit for the remainder of its active life.
10. The permittee shall only dispose of water and wastewater treatment sludge generated by the City of Flemingsburg, or wastes for which specific approval has been granted.
11. The permittee shall submit an application for renewal 180 days before the expiration date of the permit.
12. The permittee shall operate in accordance with the plans and narrative approved on July 12, 1994 and February 6, 1995.
13. The permittee shall maintain a soil pH greater than or equal to 6.5 su during crop production, hay production or grazing.

INFORMATION SHEET

CITY OF FLEMINGSBURG
P.O. BOX 126
FLEMINGSBURG, KENTUCKY 41041

The City of Flemingsburg was issued a permit for the transition of their landfarming permit in Fleming County. This revised permit is to increase the total permitted area of this facility is increased from 11.9 acres to 15.2 acres.

The facility is leased by the City of Flemingsburg and is owned by Glen and Mary Ann McCormack. This facility is located two (2) miles Northwest from the City of Flemingsburg off of KY 559.

The above site had been granted two (2) variances in the last issuance of their permit on July 12, 1994. The first variance is on volume, due to the extremely low in heavy metals concentrations. The second variance request is for the elimination of PCB monitoring in accordance with 401 KAR 30:020 section 2. These variances will still remain in force through the re-issuance of this permit.

If you require additional information regarding this facility, contact Mike Davis at (502) 564-2225, ext. 257.

MGD:akw

HENRY C. LIST
SECRETARY



PAUL E. PATTON
GOVERNOR

COMMONWEALTH OF KENTUCKY
NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
DIVISION OF WASTE MANAGEMENT
14 REILLY RD
FRANKFORT KY 40601-1190

June 3, 2003

The Honorable Demaree C. Todd
Mayor, City of Flemingsburg
P.O. Box 126
Flemingsburg, Kentucky 41041

COUNTY: Fleming Co.
FACILITY: Flemingsburg WWTP
I. D. #: 035-00007
SECTION: main/permit
SENT BY: RAB BRANCH: SwB

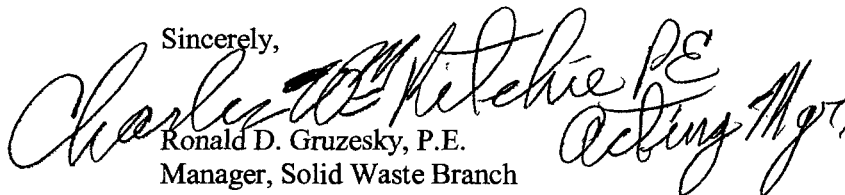
RE: Type B Special Waste Landfarming Permit
Flemingsburg WWTP
Permit #035-00007
Pending Application #035-00007 LB1 MOMN2
Fleming County

Dear Mayor Todd:

We are reissuing your special waste landfarming permit to reflect variances granted to the operating requirements of your landfarm. You should review the permit and the application submitted for this permit. In the event you do not agree with the terms of these documents, you must notify this office in writing within thirty days of receipt of this letter. Unless modified in accordance with 401 KAR 45:040, you are expected to comply with the terms of the applicable regulations, the permit application and the permit. You are advised that you have the right to file petition for an administrative hearing pursuant to KRS 224.10-420(2).

This acceptance does not supersede any local or county land use ordinances with which you must comply. You are also advised this state permit does not supersede or in any way exempt this operation from compliance with the federal biosolids regulation, 40 CFR Part 503, including monitoring, record keeping, reporting and permitting requirements. If you have any questions, please contact Bob Bickner at (502) 564-2225, extension 627 or Frank Whitney at extension 271.

Sincerely,


Ronald D. Gruzsky, P.E.
Manager, Solid Waste Branch
Division of Waste Management

RDG/RAB/fdw

c: G. Todd Stephens, Hall & Associates, Inc., 103 Fieldview Drive, Versailles, Kentucky 40383
Morehead Regional Office
DWM fileroom
Reading file



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Kentucky Natural Resources and Environmental Protection Cabinet
Department for Environmental Protection
 Division of Waste Management

SPECIAL WASTE MANAGEMENT FACILITY PERMIT

Permittee: **CITY OF FLEMINGSBURG**
 P.O. Box 126
 Flemingsburg, Kentucky 41041

Facility: **FLEMINGSBURG WWTP**
 Highway 559
 Flemingsburg, Kentucky 41041

The Division of Waste Management hereby grants the above-named facility a permit to engage in the activity specified below. This permit has been issued under the provisions of KRS Chapter 224 and regulations promulgated pursuant thereto and is subject to all conditions and operating limitations contained herein. Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by this Cabinet and/or other state and local agencies.

--See Page 2--

No deviation from the plans and specifications submitted with your application or the conditions specified herein is allowed, unless authorized in writing from the Division of Waste Management. Violation of the terms and conditions specified herein shall render this permit null and void. All rights of inspection by representatives of the Division of Waste Management are reserved. Conformance with all applicable Waste Management Regulations is the responsibility of the permittee. Receipt of the permit fee and bond amount specified below is hereby acknowledged.

PERMIT TYPE:	Construction/Operation	PERMIT NUMBER:	035-00007
TYPE OF ACTIVITY:	Type B Landfarming	FINDS NUMBER:	KY0000933812
BOND:		COUNTY:	Fleming
INSTRUMENT TYPE:	NA		
INSTRUMENT NUMBER:	NA		
AMOUNT:	NA		
ACRES:			
WASTE DISPOSAL AREA:	66.5		
PERMIT AREA:	66.5		
PERMIT FEE:	NA		
FIRST PERMITTED:	January 24, 1994		
EFFECTIVE DATE OF MODIFICATION:	May 24, 2002		
EXPIRATION DATE:	January 24, 2004		

Issued this 3rd day of June 2003

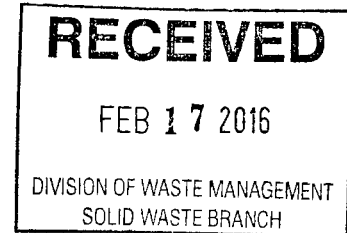
Robert H. Daniell, Director

Robert W. Logan, Commissioner

SOLID WASTE DISPOSAL FACILITY PERMIT - Continued

1. The permittee shall comply with 401 KAR 45:140, Section 1, relating to conditions applicable to all permits.
2. The permittee shall only dispose of water and wastewater treatment sludge generated by the City of Flemingsburg, or wastes for which specific approval has been granted.
3. The permittee shall maintain the required minimum buffer zone distances around the site as required in 401 KAR 45:100, Section 5, and shall be clearly marked. A variance to the required buffer zone is granted for ponds and streams on the property. A one-hundred fifty (150) foot buffer distance from ponds and streams is accepted. A variance to the depth to bedrock requirement is also accepted as 24 inches.
4. The permittee shall stake or otherwise clearly mark the subplots in the field.
5. The permittee shall place a sign at the entrance to the landfarming facility. The sign shall indicate the source and type of waste and the type of operation, the name of the operator, name of farm, the permit number 035-00007, the contact person, and the emergency telephone number.
6. The permittee shall provide a means to restrict access to the application zone(s) for a period of twelve (12) months after each application.
7. The permittee shall have all components for the operation of the landfarm ready for inspection. This shall include: application site(s), application vehicle(s), record keeping procedure(s), record storage location(s), and associated treatment facility equipment and processes.
8. The permittee shall maintain a soil pH greater than or equal to 6.2 su during crop production, hay production or grazing.
9. The permittee shall conspicuously display a copy of the construction/operation permit at the special waste site or facility.
10. The permittee shall conspicuously display a copy of the operator's certification at the facility office or the certificate shall be carried on the person of the certified operator during working hours at the facility.
11. The permittee shall submit an annual landfarming report by February 19 of each year, for the previous calendar year.
12. The permittee shall submit an application for renewal 180 days before the expiration date of the permit.

HALL ENVIRONMENTAL CONSULTANTS, LLC



February 5, 2016

Mr. Bob Bickner
Division of Waste Management
Solid Waste Branch
200 Fair Oaks Lane
Frankfort, Kentucky 40601

Re: City of Flemingsburg
2015 Annual Landfarming Review
Permit #035-00007
Fleming County

Dear Mr. Bickner:

On behalf of the City of Flemingsburg, Hall Environmental Consultants, LLC, herein submits the 2015 Annual Landfarming Review for landfarming permit #035-00007. The Annual Review covers the period from January 1, 2015 to December 31, 2015.

There were no biosolids applied in 2015. The City of Flemingsburg hereby requests to officially close their permitted land application site referenced above. The City is now and has been since the middle of 2014 sending there Biosolids to a landfill. Therefore, the land application permit is not necessary to maintain.

A copy of the last Annual Review and summary of metals loading and soil analysis have been included with this correspondence. Please contact either myself or Mr. Dave ShROUT with the City of Flemingsburg should you have any questions.

Should you have any questions, please contact Hall Environmental Consultants, LLC any time.

Sincerely,

A handwritten signature in black ink that reads "Randy Shelley". The signature is written in a cursive style.


Randy Shelley
Sr. Project Manager

CERTIFICATION

CERTIFICATION

I certify that under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for such violations."

Signature of Authorized Agent:



Date:

2/1/16

Name of Authorized Agent:

DAVID SHAROUT

Title:

CHIEF PLANT OPERATOR

ANNUAL LANDFARMING REVIEW

Date: February 5, 2016

Permit #: 035-00007

General Information

1. Permittee: City of Flemingsburg

2. County: Fleming

3. Current Reporting Year: January 1, 2015 December 31, 2015

4. Form Prepared By:

Name: Hall Environmental Consultants, LLC

Work Address: 1376 Danville Loop 1 Road

City, State, Zip: Nicholasville, KY 40356

Telephone Number: (859) 885 - 3331

Certified Operator(s): Dave Shrout

Certification Number and Expiration: 24732 (exp 6/2017)

I. Material Sampling/Analysis

5. Laboratory Results: See Attachment #1

II. Material Production

6. Total Gallons Material Spread: 0 gallons from WWTP

7. Total Dry Tons Material Spread: 0.00 dry tons from WWTP

III. Material Application Information

8-21. Material Application Information: See Attachment #2

IV. Soil/Water Analysis

22. Soil Test Summary: See Attachment #3

23. Surface Water Analysis: Not Required by Permit

24. Groundwater Analysis: Not Required by Permit

ATTACHMENT #1

WWTP Analysis Summary

Date			Average
pH			----
Total Solids %			----
Volatile Solids %			----
Kjeldahl Nitrogen			----
Ammonium Nitrogen			----
Nitrate Nitrogen			----
Phosphorus			----
Potassium			----
Arsenic			----
Cadmium			----
Chromium			----
Copper			----
Lead			----
Mercury			----
Molybdenum			----
Nickel			----
Selenium			----
Zinc			----
PCB's			----

ATTACHMENT #1

WTP Analysis Summary

Date	Sample 1	Sample 2	Average
pH			----
Total Solids %			----
Volatile Solids %			----
Kjeldahl Nitrogen			----
Ammonium Nitrogen			----
Nitrate Nitrogen			----
Phosphorus			----
Potassium			----
Arsenic			----
Cadmium			----
Chromium			----
Copper			----
Lead			----
Mercury			----
Molybdenum			----
Nickel			----
Selenium			----
Zinc			----
PCB's			----

* This sample, collected at the end of 2011, was used to represent the material applied since no material was removed from the storage basin from the time the sample was collected until the land application event in early 2012.

ATTACHMENT #2

Material Application Summary

Site:	Subplot #7	Subplot #8A	Subplot #8B	Subplot #9
Method of Application:	Surface	Surface	Surface	Surface
8. Actual Acreage Receiving Material:	8.00 acres	6.00 acres	3.00 acres	20.20 acres
9. Crop Grown:	Fescue	Fescue	Fescue	Corn
Yield:	N/A	N/A	N/A	N/A
10. Crop Use:	Hay/Pasture	Hay/Pasture	Hay/Pasture	Corn
Volume Applied:				
Gallons Applied Per Subplot	0 gal	0 gal	0 gal	0 gal
WWTP:	0 gal	0 gal	0 gal	0 gal
WTP:	0 gal	0 gal	0 gal	0 gal
11. Dry Tons Solids Applied Per Subplot:	0.000 d.t.	0.000 d.t.	0.000 d.t.	0.000 d.t.
WWTP:	0.000 d.t.	0.000 d.t.	0.000 d.t.	0.000 d.t.
WTP:	0.000 d.t.	0.000 d.t.	0.000 d.t.	0.000 d.t.
12. Dry Tons Solids Applied Per Acre:	0.000 d.t.	0.000 d.t.	0.000 d.t.	0.000 d.t.
WWTP:	0.000 d.t.	0.000 d.t.	0.000 d.t.	0.000 d.t.
WTP:	0.000 d.t.	0.000 d.t.	0.000 d.t.	0.000 d.t.
Nitrogen Applied (lbs/acre)				
13. Material Available Nitrogen Applied:	0.0 #/a	0.0 #/a	0.0 #/a	0.0 #/a
14. Residual Nitrogen (Reporting Year):	0.000 #/a	0.000 #/a	0.000 #/a	0.000 #/a
15. Residual Nitrogen (Year Prior):	0.000 #/a	0.000 #/a	0.000 #/a	22.262 #/a
16. Residual Nitrogen (2 Years Prior):	0.000 #/a	0.000 #/a	0.000 #/a	5.274 #/a
Residual Nitrogen from Last Annual Review	0.0 #/a	0.0 #/a	0.0 #/a	50.9 #/a
17. Other Forms of Nitrogen Applied:	0.0 #/a	0.0 #/a	0.0 #/a	0.0 #/a
18. Total Available Nitrogen Applied:	0.0 #/a	0.0 #/a	0.0 #/a	50.9 #/a
19. Total Available Nitrogen/Acre:	0.0 #/a	0.0 #/a	0.0 #/a	50.9 #/a
Arsenic	0.000 #/a	0.000 #/a	0.000 #/a	0.000 #/a
Cadmium	0.000 #/a	0.000 #/a	0.000 #/a	0.000 #/a
Chromium	0.00 #/a	0.00 #/a	0.00 #/a	0.00 #/a
Copper	0.00 #/a	0.00 #/a	0.00 #/a	0.00 #/a
Lead	0.00 #/a	0.00 #/a	0.00 #/a	0.00 #/a
Mercury	0.000 #/a	0.000 #/a	0.000 #/a	0.000 #/a
Molybdenum	0.000 #/a	0.000 #/a	0.000 #/a	0.000 #/a
Nickel	0.00 #/a	0.00 #/a	0.00 #/a	0.00 #/a
Selenium	0.000 #/a	0.000 #/a	0.000 #/a	0.000 #/a
Zinc	0.00 #/a	0.00 #/a	0.00 #/a	0.00 #/a
21. Cumulative Metals (lbs/acre):				
Arsenic	0.000 #/a	0.000 #/a	0.000 #/a	0.000 #/a
Cadmium	0.000 #/a	0.000 #/a	0.000 #/a	0.000 #/a
Chromium	0.00 #/a	0.00 #/a	0.00 #/a	0.00 #/a
Copper	0.00 #/a	0.00 #/a	0.00 #/a	0.00 #/a
Lead	0.00 #/a	0.00 #/a	0.00 #/a	0.00 #/a
Mercury	0.000 #/a	0.000 #/a	0.000 #/a	0.000 #/a
Molybdenum	0.000 #/a	0.000 #/a	0.000 #/a	0.000 #/a
Nickel	0.00 #/a	0.00 #/a	0.00 #/a	0.00 #/a
Selenium	0.000 #/a	0.000 #/a	0.000 #/a	0.000 #/a
Zinc	0.00 #/a	0.00 #/a	0.00 #/a	0.00 #/a



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Fax: (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Ms. Cynthia Leasor
Hall Environmental Consultants, LLC
1376 Danville Road Loop 1
Nicholasville, KY 40356

Report Summary

Thursday January 14, 2016

Report Number: L810751

Samples Received: 01/06/16

Client Project: Flemingsburg

Description: sludge

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Linda Cashman, ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01,1461-02, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197,
FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016,
NC - ENV375/DW21704/BIO041, ND - R-140, NJ - TN002, NJ NELAP - TN002,
SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612,
MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1,
TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364, EPA - TN002

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

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Est. 1970

REPORT OF ANALYSIS

January 14, 2016

Ms. Cynthia Leasor
 Hall Environmental Consultants, LLC
 1376 Danville Road Loop 1
 Nicholasville, KY 40356

ESC Sample # : L810751-01

Date Received : January 06, 2016
 Description : sludge

Site ID :

Sample ID : SLUDGE-FORM D

Project # : Flemingsburg

Collected By : Eric Lee
 Collection Date : 01/05/16 11:00

Parameter	W.Result	RDL	D.Result	RDL	Units	Method	Date
Nitrate-Nitrite	5.26	2.00	42.8	16.3	mg/kg	9056A	01/09/16
Phosphate as P	45.9	1.00	373.	8.13	mg/kg	9056A	01/09/16
Cyanide, amenable	BDL	0.250	BDL	2.03	mg/kg	Calc.	01/12/16
Cyanide	BDL	0.250	BDL	2.03	mg/kg	9012B	01/12/16
Chromium, Hexavalent	BDL	2.00	BDL	16.3	mg/kg	3060A/71	01/11/16
Total Nitrogen	7580	2.00	61600	16.3	mg/kg	SSSA	01/12/16
Ammonia Nitrogen	25.7	5.00	209.	40.6	mg/kg	350.1	01/13/16
ORP	106.	1.00	106.		mV	2580 B-2	01/12/16
pH	7.07	0.100	7.07		su	9045D	01/08/16
Oil & Grease (Hexane Extr)	270.	100.	2200	813.	mg/kg	9071B	01/12/16
Total Phenol by 4AAP	1.30	0.670	10.6	5.45	mg/kg	9066	01/13/16
Kjeldahl Nitrogen, TKN	7580	1000	61600	8130	mg/kg	4500NOrg	01/12/16
TPH - Oil & Grease	130.	100.	1060	813.	mg/kg	9071B	01/12/16
Total Solids	12.3	0.100	12.3		%	2540 G-2	01/11/16
Volatile Solids	65.3	1.00	65.3		% of TS	160.4/25	01/13/16
Mercury	0.0242	0.0200	0.197	0.163	mg/kg	7471A	01/09/16
Antimony	BDL	2.00	BDL	16.3	mg/kg	6010B	01/12/16
Arsenic	BDL	2.00	BDL	16.3	mg/kg	6010B	01/12/16
Beryllium	BDL	0.200	BDL	1.63	mg/kg	6010B	01/12/16
Cadmium	BDL	0.500	BDL	4.06	mg/kg	6010B	01/12/16
Chromium	5.15	1.00	41.9	8.13	mg/kg	6010B	01/12/16
Copper	87.4	2.00	710.	16.3	mg/kg	6010B	01/12/16
Iron	1580	10.0	12800	81.3	mg/kg	6010B	01/12/16
Lead	4.39	0.500	35.7	4.06	mg/kg	6010B	01/12/16
Molybdenum	1.08	0.500	9.78	4.06	mg/kg	6010B	01/12/16
Nickel	5.70	2.00	46.3	16.3	mg/kg	6010B	01/12/16
Potassium	516.	100.	4200	813.	mg/kg	6010B	01/12/16
Selenium	BDL	2.00	BDL	16.3	mg/kg	6010B	01/12/16
Silver	BDL	1.00	BDL	8.13	mg/kg	6010B	01/12/16
Thallium	BDL	2.00	BDL	16.3	mg/kg	6010B	01/12/16

BDL - Below Detection Limit

RDL - Detection Limit- Estimated Quantitation Limit (EQL)

Note:

The reported analytical results relate only to the sample submitted.

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L810751-01 (PH) - 7.07 at 23.9c



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 Est. 1970

REPORT OF ANALYSIS

Ms. Cynthia Leasor
 Hall Environmental Consultants, LLC
 1376 Danville Road Loop 1
 Nicholasville, KY 40356

January 14, 2016

Date Received : January 06, 2016
 Description : sludge
 Sample ID : SLUDGE-FORM D
 Collected By : Eric Lee
 Collection Date : 01/05/16 11:00

ESC Sample # : L810751-01
 Site ID :
 Project # : Flemingsburg

Parameter	W.Result	RDL	D.Result	RDL	Units	Method	Date
Zinc	119.	5.00	967.	40.6	mg/kg	6010B	01/12/16

BDL - Below Detection Limit
 RDL - Detection Limit- Estimated Quantitation Limit(EQL)
 Note:
 The reported analytical results relate only to the sample submitted.
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 Reported: 01/14/16 15:18 Printed: 01/14/16 15:19
 L810751-01 (PH) - 7.07 at 23.9c

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L810751-01	WG841803	SAMP	Total Phenol by 4AAP	R3106210	J6
	WG841587	SAMP	TPH - Oil & Grease	R3105965	J6
	WG841072	SAMP	Kjeldahl Nitrogen, TKN	R3106000	VJ3

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J3	The associated batch QC was outside the established quality control range for precision.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low
V	(ESC) - Additional QC Info: The sample concentration is too high to evaluate accurate spike recoveries.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

- Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.
- Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.
- Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.
- TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

ANNUAL LANDFARMING REVIEW

Date: **REVISED: December 10, 2015**

Permit #: **035-00007**

General Information

- | | |
|--------------------------------------|--|
| 1. Permittee: | City of Flemingsburg |
| 2. County: | Fleming |
| 3. Current Reporting Year: | January 1, 2014 December 31, 2014 |
| 4. Form Prepared By: | |
| Name: | Hall Environmental Consultants, LLC |
| Work Address: | 1376 Danville Loop 1 Road |
| City, State, Zip: | Nicholasville, KY 40356 |
| Telephone Number: | (859) 885 - 3331 |
| Certified Operator(s): | Dave Shrout |
| Certification Number and Expiration: | 24732 (exp 6/2017) |

I. Material Sampling/Analysis

- | | |
|------------------------|--------------------------|
| 5. Laboratory Results: | See Attachment #1 |
|------------------------|--------------------------|

II. Material Production

- | | |
|------------------------------------|----------------------------------|
| 6. Total Gallons Material Spread: | 490,000 gallons from WWTP |
| 7. Total Dry Tons Material Spread: | 214.14 dry tons from WWTP |

III. Material Application Information

- | | |
|---|--------------------------|
| 8-21. Material Application Information: | See Attachment #2 |
|---|--------------------------|

IV. Soil/Water Analysis

- | | |
|-----------------------------|-------------------------------|
| 22. Soil Test Summary: | See Attachment #3 |
| 23. Surface Water Analysis: | Not Required by Permit |
| 24. Groundwater Analysis: | Not Required by Permit |

ATTACHMENT #1

WWTP Analysis Summary

Date	4/9/14	8/28/14	Average
pH	7.0	7.1	7.1
Total Solids %	4.36%	16.60%	10.48%
Volatile Solids %	67.0%	80.0%	73.5%
Kjeldahl Nitrogen	53,000	66,000	59,500
Ammonium Nitrogen	3,200.0	1,100.0	2,150
Nitrate Nitrogen	<46	12	29
Phosphorus	250	350	300
Potassium	300	1,400	850
Arsenic	6.90	5.2	6.1
Cadmium	0.57	0.7	0.6
Chromium	6.4	21.0	13.7
Copper	7	600	304
Lead	30	26	28
Mercury	0.7	0.78	0.76
Molybdenum	0.6	6.0	3.3
Nickel	10.0	31.0	20.5
Selenium	3.4	11.0	7.2
Zinc	100	1,700	900
PCB's			----

Flemingsburg Historical Soil Analysis


Sub-plot	Date	pH	pH	Avail.	Avail.	As	Cd	Cr	Cu	Pb	Hg	Mo	Ni	Se	Zn	PCB's	CEC	
		Water	Buffer	P	K													
1	1997	6.3	7.0	770	540		1	16	16	20			9		39			
	1998	6.5	7.0	960	460	<12.0	<0.50	19.00	16.00	24.00	<0.09	2.00	19.00	<5.00	43.00	<1.00		
	1999	6.3	7.1	830	460		<0.50	17.00	23.00	22.00			15.00		62.00			
	2000	6.6	7.1	278	170	11.0	<0.50	23.00	21.00	35.00	0.13	<1.00	16.00	<5.00	63.00			
	2001		6.1	1,524	2,118	12.3	<1.18	19.59	20.57	29.40	0.15	<9.80	9.79	<0.18	52.60			
	2002	7.1	7.2	598	345	8.4	0.30	45.00	20.00	31.00	0.16	<0.51	12.00	5.40	51.00			
	2003	7.0	7.1	612	359	2.0	2.80	56.00	28.00	22.00	0.14	1.70	18.00	11.00	87.00			
	2004	7.0	7.1	612	359	2.0	2.80	56.00	28.00	22.00	0.14	1.70	18.00	11.00	87.00			
	2005																	
	2006	6.8		820	424	6.6	2.30	20.00	32.00	38.00	0.13	5.60	5.40	1.10	72.00			
	2007	6.0	6.9	981	488	4.5	0.60	20.00	32.00	26.00	0.13	1.20	12.00	12.00	78.00			
	2008	6.7	6.9	721	268	6.0	0.30	27.00	40.00	320.00	0.21	1.20	22.00	1.00	81.00			
	2009	6.1	6.7	195	285	4.9	0.50	20.00	37.00	28.00	0.16	1.70	16.00	7.30	84.00			
	2010	6.4	6.9	868	469	1.0	0.50	17.00	31.00	35.00	0.08	0.30	41.00	5.20	87.00		23	
2011	6.7	7.0	800	376	2.7	0.26	20.00	34.00	24.00	0.14	1.30	17.00	2.80	80.00		22		
2012																		
2013																		
2014																		
2	1997	6.2	7.0	630	460	<5.0	<1.60	15.00	18.00	25.00	0.16	<2.00	10.00	<5.00	45.00			
	1998	6.5	7.0	500	280	<9.0	<0.50	21.00	14.00	21.00	<0.07	2.00	17.00	<5.00	39.00	<1.00		
	1999	6.3	7.1	1,000	290		0.50	15.00	23.00	19.00			15.00		61.00			
	2000	6.7	7.1	314	210	11.0	<0.50	23.00	19.00	20.00	0.13	<1.00	15.00	5.00	63.00			
	2001		6.2	1,125	1,770	14.5	<0.96	19.22	17.30	28.80	0.15	<9.60	10.57	<0.20	46.52			
	2002	7.1	7.2	580	178	12.0	0.30	75.00	28.00	41.00	0.21	<0.82	17.00	7.30	68.00			
	2003	7.0	7.2	582	184	1.8	2.80	50.00	26.00	20.00	0.10	1.60	18.00	11.00	86.00			
	2004	7.0	7.2	582	184	1.8	2.80	50.00	26.00	20.00	0.10	1.60	18.00	11.00	86.00			
	2005																	
	2006	6.8		4	1,000	6.3	2.30	19.00	1.00	0.26	0.16	0.10	1.00	1.00	1.60			
	2007	7.0	7.0	844	273	4.5	0.60	20.00	32.00	26.00	0.02	1.20	10.00	12.00	82.00			
	2008	6.7	6.9	587	117	6.3	0.30	25.00	31.00	28.00	0.11	1.00	20.00	1.00	73.00			
	2009	6.8	6.9	725	416	5.2	0.50	21.00	32.00	26.00	0.13	1.60	12.00	7.60	79.00			
	2010	6.7	7.0	774	263	1.2	0.70	23.00	31.00	29.00	0.15	0.26	45.00	5.30	88.00		23	
2011	6.8	7.0	782	221	3.1	0.26	28.00	33.00	24.00	0.18	2.60	22.00	4.00	88.00		24		
2012																		
2013	6.6		1,800	9	9.9	0.26	23.00	29.00	26.00	0.14	0.83	21.00	3.80	67.00		---		
2014																		
3	1997	6.3	7.0	660	300		2	15	11	18			10		33			
	1998	6.5	7.0	500	280	9.0	<0.50	21.00	14.00	21.00	0.07	2.00	17.00	5.00	39.00	<1.00		
	1999	6.0	7.1	500	250		2.50	18.00	16.00	21.00			18.00		47.00			
	2000		6.2	524	1,718	12.0	1.29	21.78	16.83	29.70	0.15	9.90	10.89	0.19	44.35			
	2001		6.1	1,524	2,118	12.3	1.18	19.59	20.57	29.40	0.15	9.80	9.79	0.18	52.60			
	2002	7.2	7.2	269	146	11.0	0.31	64.00	20.00	43.00	0.15	0.74	17.00	7.10	59.00			
	2003	7.0	7.2	259	140	2.6	2.80	51.00	17.00	21.00	0.07	1.50	20.00	11.00	66.00			
	2004	7.0	7.2	259	140	2.6	2.80	51.00	17.00	21.00	0.07	1.50	20.00	11.00	66.00			
	2005																	
	2006	6.8		2	900	6.5	2.20	20.00	21.00	30.00	0.08	2.80	4.50	1.00	58.00			
	2007	6.9	7.0	720	246	5.2	0.60	21.00	30.00	26.00	0.09	1.50	14.00	13.00	77.00			
	2008	6.7	7.0	142	133	6.5	26.00	25.00	22.00	27.00	0.06	0.85	20.00	1.00	55.00			
	2009	6.6	6.9	371	175	5.4	0.40	24.00	21.00	27.00	0.12	1.50	13.00	7.40	52.00			
	2010	6.6	6.9	395	179	1.0	0.60	21.00	26.00	25.00	0.08	0.26	40.00	5.10	73.00		21	
2011	6.5	6.9	447	135	2.8	0.26	22.00	25.00	22.00	0.10	2.60	18.00	3.10	63.00		21		

	2007																
	2008																
	2009																
	2010																
	2011																
	2012																
	2013																
	2014																
8A	2003																
	2004																
	2005																
	2006																
	2007	6.4	6.7	74	233	5.0	<0.46	19.00	6.70	28.00	0.04	<0.50	12.00	<12.00	36.00		
	2008																
	2009	6.5	6.8	49	265	4.7	<0.34	26.00	9.60	25.00	0.04	<1.00	11.00	<7.60	32.00		
	2010																
	2011																
	2012																
2013																	
2014																	
8B	2003																
	2004																
	2005																
	2006																
	2007																
	2008																
	2009																
	2010																
	2011																
	2012																
2013																	
2014																	
9	2002	6.9	7.1	35	236	3.8	<0.26	18.00	7.30	29.00	0.04	<0.27	0.52	<16.00	35.00	<1.00	17
	2003					2.4	<2.60	59.00	9.50	18.00	0.04	<1.50	20.00	<10.00	53.00		
	2004					2.4	<2.60	59.00	9.50	18.00	0.04	<1.50	20.00	<10.00	53.00		
	2005																
	2006																
	2007																
	2008																
	2009																
	2010																
	2011																
2012	6.4	6.8	2	1,100	1.1	<0.27	24.00	17.00	25.00	0.07	<0.30	16.00	<2.00	57.00		22	
2013	6.9		1,200	1	6.8	<0.26	18.00	15.00	25.00	0.06	1.00	14.00	4.00	40.00			
2014	7.5		1,400	1	7.2	0.50	24.00	11.00	22.00	0.05	<0.59	10.00	2.00	45.00			

1991-09-25 SIR

MEMORANDUM:

TO: File

THRU: Robert B. Padgett, Supervisor 
Site Investigation Section

FROM: Rodney Polly, Env. Eng. Tech. Sr. RP.
Site Investigation Section

DATE: September 30, 1991

RE: Calvin Cheap Property
Fleming County

On September 25, 1991, I received a phone call from Michael Beckman informing the Division of a potential illegal waste disposal site in Flemingsburg, Fleming County, Kentucky. Mr. Beckman stated that waste generated at Cheap Chevrolet, located on West Water Street in Flemingsburg, was being dumped in a nearby farm pond. Allegedly, the waste included paint cans, kerosene, mineral spirits, lacquer, waste oil, etc., generated by activities conducted in the service and body shop areas of the auto dealership. According to Mr. Beckman, several hundred gallons of used motor oil pumped from their above ground storage tank is periodically transported to the dump site and discharged into this pond. Mr. Beckman also stated that the paint waste and solvents dumped were generated in the body shop.

In response to this information, Mike Talley and I traveled to the alleged disposal site on September 26, 1991. The pond in question is located on Mr. Calvin Cheap's farm situated north of Route 11's intersection with Route 559 (see attached map). Upon arrival at mid-afternoon, we noted a gentleman parked in a Cheap Chevrolet pickup in the vicinity of the alleged pond. The gentleman was sewing new grass seed on an area which had apparently been backfilled and graded very recently. A small dozer was parked adjacent to the area being seeded. Rather than confront the gentleman about his actions we decided to contact Mr. Beckman to ensure we were at the correct location and to obtain additional information concerning disposal methods.

Memo/file
Page two
September 30, 1991

Mr. Beckman was out of town when we telephoned but Mike Talley spoke with his wife. She confirmed that we were at the correct location and further stated that she saw a dump truck and dozer working at the pond area on two occasions yesterday (9/25).

We returned to Mr. Cheap's farm and the gentleman previously identified on-site was no longer present. Mike and I observed the fill and grading work that had been conducted and noted one paint can as well as two small oil stained areas observed at the surface (see attached photographs).

Using a six foot long screw auger we attempted to bore a hole through the backfill and monitor soil gas vapors with a photoionization detector. Several boreholes were attempted but we were unable to get any notable meter deflections using this method because of depth limitations associated with the screw auger.

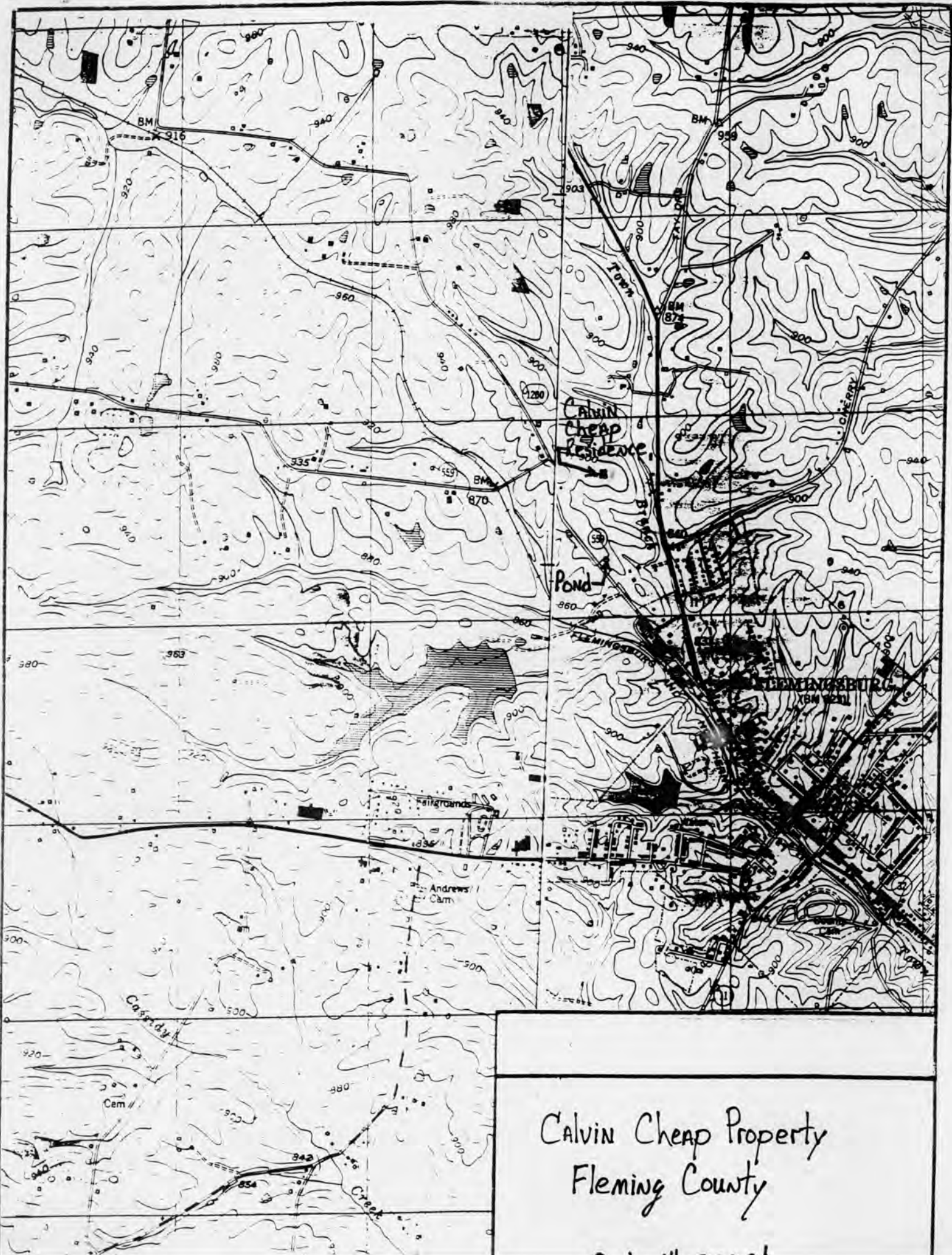
After leaving the farm pond we drove by the Cheap Chevrolet dealership located on West Water Street. We observed in the parking lot one above ground waste oil tank, one fuel pump unit marked empty and approximately fifteen or twenty 55-gallon drums being stored in the back portion of the lot. Most of the drums were placed upside down and were apparently empty but we did not inspect them up close. The hardtop and soil beneath and around these drums was also fairly significantly oil stained.

No one with Cheap Chevrolet was questioned during this inspection because we want to obtain existing information from Division files and discuss this matter with the Morehead Field Office.

RP/kb

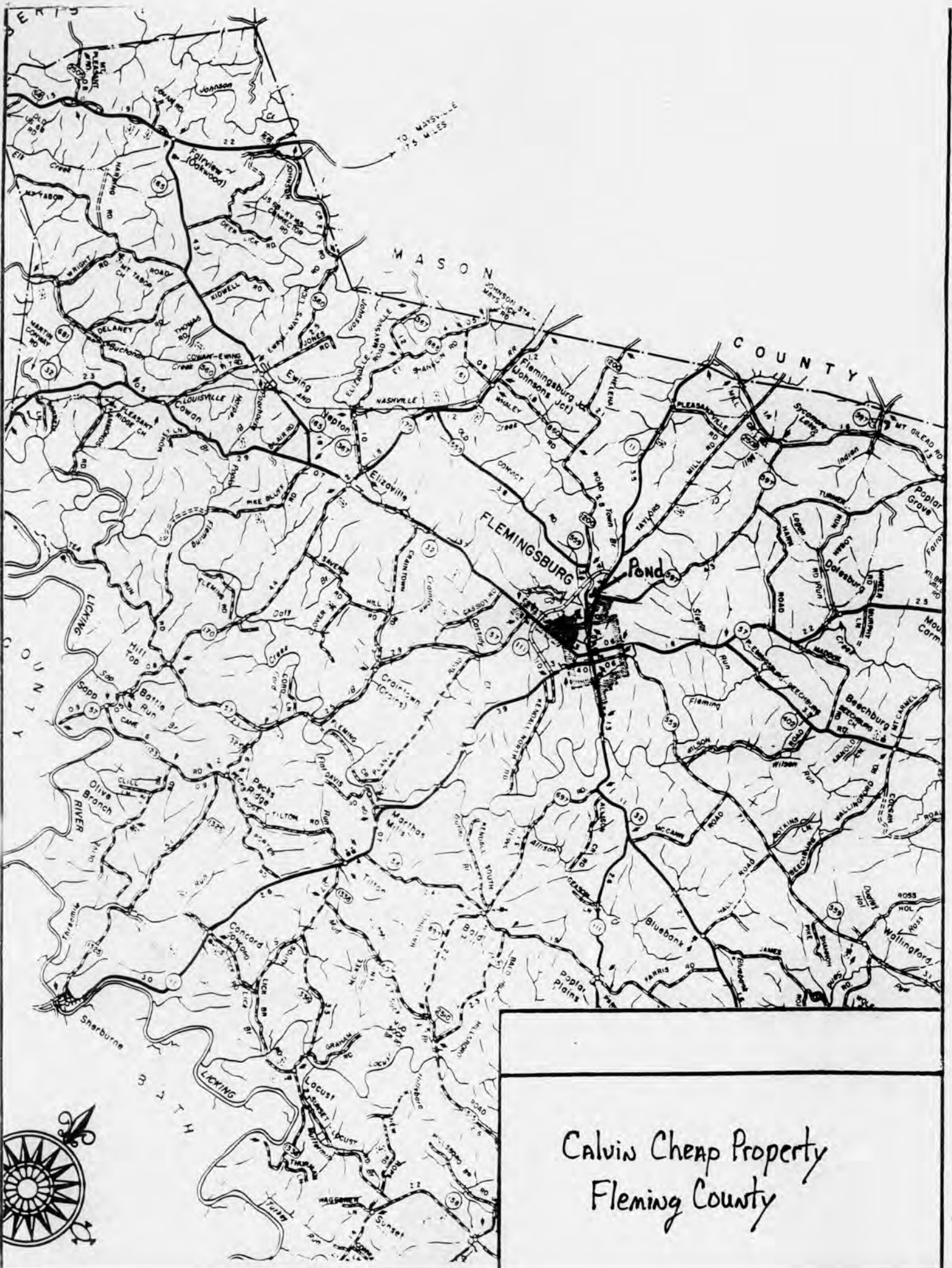
Attachments

cc: Karen Glancy (Morehead Field Office)
Hannah Helm (Field Operations Branch)
Mike Talley (Uncontrolled Sites)



Calvin Cheap Property
Fleming County

Calvin Cheap



Calvin Cheap Property
Fleming County

Photographic Log
Calvin Cheap Property
Fleming County
September 26, 1991



1. View of former farm pond after being backfilled and graded.



2. View of former farm pond after being backfilled and graded.

ENVIRONMENTAL RESPONSE INCIDENT REPORT

ERT No.: 20122 HAZARDOUS SUBSTANCES spill in FLEMING county
Incident occurred on / / : at or near FLEMINGSBURG
Recorded by: UNKNOWN on 01/11/1994 00:00
Incident status is NON INCIDENT
Approved by:
Title:
Closure Option: NOT APPLICABLE
Closure Date: 09/15/2000

SITE NAME: CALVIN CHEAP PROPERTY

REPORTABLE QUANTITIES: Hazardous: YES
Pollutant: N/A
petroleum: N/A
Other: N/A

DIRECTIONS: No directions given

INCIDENT REPORTERS

Reported on 01/11/1994 15:01 by
Company UNKNOWN
Address
Phone No () -

RESPONSIBLE PARTIES

Company CALVIN CHEAP PROPERTY
Address
Phone No () -

NO DATA MEETING QUALIFICATIONS

No material recorded for this incident.

No affected waterways listed for this incident

Actions taken by user POLLY

DUE	COMPLETED ACTION	REFERENCE
01/11/1994	01/11/1994 INITIAL INCIDENT EVALUATION	
01/11/1994	01/11/1994 INCIDENT LEAD ASSUMED	
03/07/1994	03/07/1994 INCIDENT CLOSED	OPTION = NO
ACTION NECESSARY		
07/12/1995	07/12/1995 INCIDENT RE-OPENED	
09/15/2000	09/15/2000 INCIDENT CLOSED	CLOSURE OPTION
NOT REQUIRED FOR NON INCIDENT		

Comments made by: BURGER BILL on 02/09/2001 14:13
LOCATION_COMMUNITY defaulted to county seat prior to migration

Incident Description Report

DATE 09/24/2004

PAGE 1

Incident id 20462
Status CLOSED
Primary Contact ert_user
Closure Option UNFOUNDED
Closure Date 09/15/2000
Incident Begin Date 09/25/1991 00:00:00
Incident End Date 09/15/2000 11:34:00

County FLEMING
Site Name

Nearest Community FLEMINGSBURG

Method Collection
UNKNOWN

Latitude **Longitude**
38 25 19.99 83 44 2.004

Air Impact NO
Water Impact NO
Waste Impact YES

Directions

Material Name **Material Quantity** **RQ**
UNKNOWN

Incident Types **Affected Waterways**

Received By ert_user **On** 01/11/94 15:01:00

Description

Notifier:
N/A
UNKNOWN

RESPONSIBLE PARTIES

CALVIN CHEAP PROPERTY

Site Address:

BOX 348

FLEMINGSBURG KY 41041



APPENDIX D
Photo Log



Photo 1: Typical view of the subject property in the southwestern portion of the Site, facing north.



Photo 2: Typical overview of the subject property after crop cultivation. View from the eastern site boundary, facing south.

	<p>Fleming Solar, LLC Fleming Solar Project Photo Log</p>	Location: Fleming County, Kentucky
		Photos By: Daniel Roberts
		Date Taken: December 14-16, 2020 and March 17-18, 2021



Photo 3: Typical view of pond with forested buffer. View from the eastern bank of the eastern most NWI pond, facing northwest.



Photo 4: View of existing electrical transmission line and typical pond with herbaceous buffer. View from southeastern corner of the western most NWI pond, facing northwest.

	<p>Fleming Solar, LLC Fleming Solar Project Photo Log</p>	Location: Fleming County, Kentucky
		Photos By: Daniel Roberts
		Date Taken: December 14-16, 2020 and March 17-18, 2021



Photo 5: View of occupied residence (Figure 2, Feature ID 12) from north of Convict Pike, facing east.



Photo 6: Unoccupied single-family residence (Figure 2, Feature ID 8) and machine shop (Figure 2, Feature ID 13). View from north of Convict Pike, facing south.

	<p>Fleming Solar, LLC Fleming Solar Project Photo Log</p>	Location: Fleming County, Kentucky
		Photos By: Daniel Roberts
		Date Taken: December 14-16, 2020 and March 17-18, 2021



Photo 7: View of uninhabited residence (Figure 2, Feature ID 3), facing east.



Photo 8: View of typical wooden barn found throughout the subject property (Figure 2, Feature ID 10), facing north.

	<p>Fleming Solar, LLC Fleming Solar Project Photo Log</p>	Location: Fleming County, Kentucky
		Photos By: Daniel Roberts
		Date Taken: December 14-16, 2020 and March 17-18, 2021



Photo 9: View of the hoop shed (Figure 2, Feature ID 11) with tractor, facing north.



Photo 10: Typical view of barn (Figure 2, Feature ID 16) in central portion of the Site used for general farm equipment storage. View from central northern portion of the Site, facing west.

	Fleming Solar, LLC Fleming Solar Project Photo Log	Location: Fleming County, Kentucky
		Photos By: Daniel Roberts
		Date Taken: December 14-16, 2020 and March 17-18, 2021



Photo 11: View of cinder block and concrete structure within the subject property. View from northwestern portion of the Site, facing east.



Photo 12: View of typical cistern within the subject property. View from northwestern portion of the Site, facing east.

	Fleming Solar, LLC Fleming Solar Project Photo Log	Location: Fleming County, Kentucky
		Photos By: Daniel Roberts
		Date Taken: December 14-16, 2020 and March 17-18, 2021



Photo 13: View of typical concrete structure throughout the subject property. View from northeast corner of the Site, facing northeast.



Photo 14: View of concrete spring. View from northeast corner of the Site, facing southwest.

	<p>Fleming Solar, LLC Fleming Solar Project Photo Log</p>	Location: Fleming County, Kentucky
		Photos By: Daniel Roberts
		Date Taken: December 14-16, 2020 and March 17-18, 2021



Photo 15: Typical view of the adjacent junkyard auto-shop along Old Convict Pike with stored car batteries, empty drums and gas containers, and other mixed automotive body parts and equipment. View from southern Site boundary, facing south.



Photo 16: View of adjacent junkyard auto-shop along Old Convict Pike with transformers. View from southern Site boundary, facing east.

	Fleming Solar, LLC Fleming Solar Project Photo Log	Location: Fleming County, Kentucky
		Photos By: Daniel Roberts
		Date Taken: December 14-16, 2020 and March 17-18, 2021



Photo 17: View of the farm with barn, storage tower, and equipment storage. View from northeast of the subject property along Helena Road, facing southeast.



Photo 18: View of typical rural development adjacent to the subject property along Helena Road with aboveground propane storage tanks and transformers. View from eastern subject property, facing northwest.

	<p>Fleming Solar, LLC Fleming Solar Project Photo Log</p>	Location: Fleming County, Kentucky
		Photos By: Daniel Roberts
		Date Taken: December 14-16, 2020 and March 17-18, 2021



Photo 19: View of occupied residence (Figure 2, Feature ID 23) in the northeast portion of the Site. View from west of Maysville Road, facing northeast.



Photo 20: View of sheet metal barn (Figure 2, Feature ID 22) in the northeast portion of the Site. View from west of Maysville Road, facing northeast.

	Fleming Solar, LLC Fleming Solar Project Photo Log	Location: Fleming County, Kentucky
		Photos By: Daniel Roberts
		Date Taken: December 14-16, 2020 and March 17-18, 2021



Photo 21: View of wooden barn (Figure 2, Feature ID 24) in the western portion of the Site. View from western portion of the Site, facing north.



Photo 22: Typical view of western most portion of the Site. View from western portion of the Site, facing north.

	Fleming Solar, LLC Fleming Solar Project Photo Log	Location: Fleming County, Kentucky
		Photos By: Daniel Roberts
		Date Taken: December 14-16, 2020 and March 17-18, 2021



APPENDIX E
Professional Qualifications

Jennifer Loeffler

Director of Natural Resources

Jennifer has been involved in energy projects ranging from avian and eagle surveys, protected species surveys, protected species education, habitat assessments, wetland and stream assessments, wind and solar development constraints and permitting analysis, Phase I and II ESAs, CWA 404 (b) (1) Alternatives Analysis, and hydrologic and hydraulic modeling. Jennifer is a California Department of Fish and Wildlife Level II Endangered Species Surveyor with substantial experience conducting protected species assessments. Additionally, she holds a Scientific Research Permit with the Texas Parks and Wildlife Department for work with state protected species. She has extensive experience in environmental field methods, including geological, hydrological, biological, and engineering field work.

Recent energy sector project experience is summarized below.

Avian Point Count Surveys and Protected Species Education for Proposed Wind Developments

Confidential Client, Texas and Oklahoma

Over the course of one-year, conducted bi-weekly and weekly avian and eagle point count surveys for proposed wind development within a species rich region of south Texas and Oklahoma. Skills required include the visual and auditory identification of migratory birds as well as raptors, passerines and songbirds, and shore birds. Developed site education posters and awareness training for site crews to provide education on species in the area and required actions if a protected species is observed. Supported the proposed developments by consulting with state regulators to obtain concurrence regarding anticipated impacts to protected species and developing construction best management practices (BMP) and environmental awareness training for field staff during the construction of the proposed wind developments.

SPCC Field Visits and Report Preparation for Solar Power Projects

Confidential Client, National

Conducted multiple SPCC field assessments and subsequent report preparation for multiple solar farms throughout California, Arizona, Texas, Florida, and North Carolina. Created multiple Oil Spill Contingency Plans in support of field assessments.

Habitat Assessments for Proposed Solar Power Projects

Confidential Client, Texas

Conducted habitat field assessments for multiple proposed solar projects in Texas ranging in size from 40 to 105MW. Assessments included habitat suitability analysis for

Education

BS Environmental Science,
University of Texas, 2012

BA Physical Geography,
University of Texas, 2009

Certifications

Wetland Delineation (2014)
CDFW Level II Researcher
TPWD Scientific Research Permit

Employment History

Energy Renewal Partners, LLC
Austin, Texas, March 2013 –
Present

US Business Council for
Sustainable Development, Austin,
Texas, June 2011-March 2013

Watershed Protection, City of
Austin, Austin, TX, May 2009-June
2010

Jennifer Loeffler

Director of Natural Resources

threatened and endangered species which required on-site soil, vegetation, stream and wetland analysis.

Critical Constraints and Permitting Analysis for Proposed Solar Power Projects

Confidential Client, Texas, North Carolina

Prepared detailed project constraints analyses for proposed solar projects in Texas and North Carolina ranging in size from 40 to 105 MW. Analysis entailed identifying regional project constraints, including threatened and endangered species, jurisdictional water bodies, sensitive habitat and protected areas, geologic and soil characteristics including constructability, oil and gas resources, and local permitting requirements. Composed written summary of findings to highlight significant constraints on project development.

Wetland Delineation and Stream Assessment for Proposed Wind and Solar Developments

Confidential Client, North Carolina, Florida, Louisiana, Texas, and Oklahoma

Conducted desktop and field assessments of potential wetlands for proposed wind and solar developments. Skills required include plant identification, textural and structural analysis of soils, and identification of geomorphic characteristics.

Blunt-Nosed Leopard Lizard Biological Survey

Confidential Client, California

Served as a level II Endangered Species Researcher responsible for conducting one of the largest blunt-nosed leopard lizard surveys in California. Responsibilities included adult and juvenile blunt-nose leopard lizard identification as well as migratory birds, raptors, and other threatened and endangered species such as the San Joaquin kit fox, the San Joaquin antelope squirrel, and the giant-kangaroo rat.

NEPA Documentation (Environmental Assessment) for Proposed Solar Developments

Confidential Client, North Carolina

Co-authored the creation of an Environmental Assessment for multiple solar developments within the Tennessee Valley Authority jurisdiction. Coordinated with multiple authors representing various disciplines to create a comprehensive Environmental Assessment for multiple solar developments in North Carolina.

Jennifer Loeffler

Director of Natural Resources

Texas Horned Lizard and Red Harvester Ant Surveys for Proposed Solar Developments

Confidential Client, Texas

Prepared surveying methodology and served as lead Biological Surveyor responsible for finding Texas horned lizards and their main food source, the red harvester ant. Conducted land owner interviews to further refine the habitat suitability for this threatened species.

CWA 404 (b) (1) Alternatives Analysis for Proposed Solar Developments

Confidential Client, California

Support the creation of a CWA 404 (b)(1) Alternatives Analysis and addressed comments produced by the USACE representatives which assessed potential impacts to nearby streams and wetlands and possible alternatives for a nearly 400 MW solar project.

FLO-2D Hydrologic and Hydraulic Floodplain Analysis for Proposed Solar Developments

Confidential Clients, California and Texas

Produced and analyzed unconfined flood models on potential solar sites for 25-, 50-, and 100-year flood events. Developed custom methodology for model production that supported the unique qualities of clients' solar sites.

Phase I Environmental Site Assessment for Proposed Solar and Wind Developments

Confidential Clients, North Carolina, Florida, Georgia, Louisiana, Texas, Oklahoma

Serves as Environmental Professional and conducted several ASTM Phase I ESAs at proposed wind and solar projects identifying existing or potential environmental contamination liabilities.

Environmental Compliance Audits for Proposed Solar Developments

Confidential Clients, North Carolina

Performed environmental audits assessing adherence of constructed and operational solar developments to federal, state, and local regulations. Provided clients with results of compliance audits and next steps to achieve compliance in a timely, cost-effective manner.

Field Courses

University of Texas at Austin

Ecology Field Methods, Environmental Science Field Methods, Geologic Field Methods, Field Methods in Groundwater Hydrology, Karst Hydrogeology Field Methods, Geographic Field Methods

Daniel Roberts, PWS

Senior Scientist

Daniel Roberts is a Professional Wetland Scientist with significant experience in Clean Water Act compliance. Mr. Roberts has significant experience in completing jurisdictional wetland and stream delineations, threatened and endangered species assessment surveys, environmental assessments, natural stream restoration design and monitoring, and NEPA/SEPA. Mr. Roberts has been involved in complex projects related/associated with after the fact permitting and responding to notices of violations. Mr. Roberts has extensive experience in technical writing, permitting, and working collaboratively with regulators to ensure his clients objectives can be reached.

Recent project experience is summarized below.

Solar Project Development

Confidential Client, Clover, VA

Mr. Roberts coordinated and implemented a 1,300-acre delineation with multiple field crews in Clover, Virginia. Mr. Roberts was tasked with managing the project budgets and personnel schedules, and right-of-way entry coordination with client and landowners. Mr. Roberts worked with the client's engineers to have project designed to meet NWP conditions. Mr. Roberts was responsible for the supervision of all phases and aspects of field work and project deliverables including data collection and interpretation, report writing, QAQC, and weekly agency and client coordination.

Commercial Land Purchase and Development

Amazon, Charlotte, NC

Mr. Roberts planned and implemented a permitting strategy to have the Individual Permit threshold waived for an 820,000 sq ft building footprint with 560 linear feet of impacts. Simultaneously Mr. Roberts conducted targeted endangered and threatened species surveys to satisfy the NEPA/SEPA requirements for the federal agency that regulated sale of the property. Mr. Roberts supervised and conducted all phases and aspects of the project including, but not limited to: project scheduling and budgeting, conducting field work, organizing and interpreting data, report writing, QAQC, regular agency and client coordination, permit submission, construction compliance, and change work orders for out of scope activities.

Commercial Development

Confidential Client, Gastonia, NC

Mr. Roberts created and executed a permitting strategy, scope of work, and project budget to obtain an after-the-fact permit for a Notice of Violation to over 300 linear feet of stream impacts. Mr. Roberts was able to successfully negotiate with the USACE to move from an Individual Permit to a Nationwide Permit. Mr. Roberts supervised all

Education

B.S. Environmental Science,
University of Alabama, 2011

Certifications and Training

Professional Wetland Scientist,
Society of Wetland Scientist

NC State River Course 101: Stream
Morphology

NC State River Course 201: Natural
Channel Design

24 hr HAZWOPER, 2016

NCDWR Surface Water
Identification Training, 2015

Swamp School Wetland
Delineation Course, 2014

Employment History

Energy Renewal Partners, LLC
Charlotte, NC, May 2019 – Present

Carolina Wetland Services (CWS),
Charlotte, NC Feb 2017-May 2019

EEE Consulting, Inc, Raleigh, NC,
2012-Nov 2016

University of Tennessee Institute
of Agriculture, May-Oct 2012

Daniel Roberts, PWS

Senior Scientist

phases and aspects of the project including field work and surveys, organizing and interpreting data, report writing, QAQC, agency and client coordination and communications, on-site restoration design and build, mitigation ratio negotiations, and scheduling and budgeting.

Threatened and Endangered Species Assessment

Multiple Clients; North Carolina, South Carolina, and Virginia

Mr. Roberts is proficient in conducting threatened and endangered species assessments on a variety of sites throughout the southeast United States. Mr. Roberts is familiar with specific habitats and sampling protocols for numerous state and federally protected species. Mr. Roberts work has included field surveys, data collection and organization, report writing, discussions and coordination with state and local agencies, and client communications.

Stream Restoration and Mitigation

Multiple Clients; North Carolina, South Carolina, and Virginia

Mr. Roberts has utilized natural channel design techniques to design and permit stream restoration design builds and conduct annual monitoring for both on-site stream restoration and formal mitigation banking throughout the southeastern United States. Mr. Roberts has incorporated on-site stream restoration into multiple nationwide permits to meet client and regulatory needs while reducing mitigation costs for clients. Mr. Roberts' work has included stream restoration and reference reach site selection, vegetation and geomorphology data collection and organization, conducting vegetation monitoring, surveying stream geomorphology, stream substrate and erodibility analysis, writing natural stream design plans and parameters, conducting annual monitoring field assessments, and writing annual monitoring reports.