

**PHASE I ENVIRONMENTAL SITE ASSESSMENT
ASTRO SITE
3500 STATE HIGHWAY 140
OSCEOLA, AR 72370**



Submitted to:

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Blytheville, AR 72316

Submitted by:

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February 04, 2016

ENERCON Project No: PHI2597

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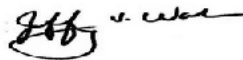
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Heath D. Garner



Jeff Watson
National Lead - Due Diligence

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

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Executive Summary

The following summarizes the findings of this assessment. This executive summary must be considered in conjunction with the discussion provided in the body of the report.

Enercon Services, Inc. (ENERCON) was retained by Mississippi County, Arkansas Economic Development (hereafter referred to as Client), to perform a Phase I Environmental Site Assessment (ESA) of the property known as Astro Site located at State Highway 140 in Osceola, Mississippi County, AR (subject property). ENERCON performed the ESA in conformance with the Scope of Work and the provisions of the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process E 1527-13, thereby satisfying United States Environmental Protection Agency's (U. S. EPA) "Standards and Practices for All Appropriate Inquiries (AAI); Final Rule" (40 Code of Federal Regulations Part 312) Federal Register Vol. 78, No. 210, December 30, 2013. Any exceptions to, or deletions from, this practice are described within this report.

Property Description and Observations

The subject property is approximately 670 acres of agricultural land located in Mississippi County, Arkansas. Crops including soybeans, corn, and rice are grown in annual rotations throughout the property. A complete legal description for the subject property is provided in the Appendix Section of this report.

The subject property is located within an agricultural area. The subject property is bound to the north by the Arkansas Highway and Transportation Department, row-crop agricultural land, and Interstate 55; to the east by row-crop agricultural land and Arkansas North Eastern College; to the south by Denso Manufacturing, Systex Company, a residential area, fallow agricultural land, and AR Highway 140; and to the west by Interstate 55 followed by row-crop agricultural. The subject property can be accessed by Highway 140/West Keiser Avenue, State Highway 119, and is also equipped with agricultural roadways throughout the property.

There are residential and commercial structures located within the northwest corner of the subject property (See Figure 2). This area of the property is mixed use with two residences and a multiple building mini storage business. ENERCON was not allowed access to these structures.

No evidence of RECs in connection with the property was identified during the site reconnaissance.

Historical Use

Review of historical resources reveals that the agricultural use of the subject property has been primarily for row-crop agriculture since its initial development. A variety of chemicals could have been applied to the agricultural crops grown on the subject property. Agricultural chemicals in use today are applied in dilute concentrations and, when used properly, degrade relatively quickly. However, environmentally persistent pesticides can linger in the soil for many years. It is not known if environmentally persistent pesticides have been applied to the subject property in the past. The normal use and application of agricultural chemicals generally does not trigger enforcement actions, investigation by regulatory agencies, or the recommendation for further assessment of the subject property unless there are indications that misuse, dumping, or improper storage of chemicals has occurred. ENERCON did not encounter evidence of on-site chemical mixing, chemical dumping, or improper storage of chemicals.

Aerial photography available for review on historic use had limited coverage. However, at least one of the residential structures and "shop building" in the northwest corner has been present since at least 1971. A residential structure (possibly the same) is depicted on the 1939 Evadale 15-minute topographic quadrangle. The commercial storage unit facilities were constructed sometime between 1984 and 1994.

Based on the information reviewed, it appears that the historical review has not identified evidence of RECs in connection with the subject property's historical use.

Review of Federal and State Record Search

ENERCON's review of the EDR regulatory database report indicated that the subject property is not listed on researched regulatory databases and did not identify nearby sites deemed to have a potential to pose an environmental impact to the subject property.

Conclusions

We have performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527 of the subject property. Any exceptions to, or deletions from, this practice are described in the Deviation section of this report.

This assessment has revealed no evidence of Recognized Environmental Conditions (RECs), Controlled RECs (CRECs), Historical RECs (HRECs), or Vapor Encroachment Conditions (VECs) in connection with the subject property.

1.0 Introduction

Enercon Services, Inc. (ENERCON) was retained by Mississippi County, Arkansas Economic Development (hereafter referred to as Client), to perform a Phase I Environmental Site Assessment (ESA) of the property known as Astro Site located at State Highway 140 in Osceola, Mississippi County, AR (subject property). ENERCON performed the ESA in conformance with the Scope of Work and the provisions of the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process E 1527-13, thereby satisfying United States Environmental Protection Agency's (U. S. EPA) "Standards and Practices for All Appropriate Inquiries (AAI); Final Rule" (40 Code of Federal Regulations Part 312) Federal Register Vol. 78, No. 210, December 30, 2013. Any exceptions to, or deletions from, this practice are described within this report.

1.1 Purpose

The purpose of this Phase I ESA is to identify, to the extent feasible pursuant to the ASTM Practice E1527-13 and AAI, Final Rule 40 CFR Part 312, recognized environmental conditions (REC) in connection with the subject property.

The ASTM Standard was created "...in an effort to define good commercial and customary practice in the United States of America for conducting an environmental site assessment..." REC means "*the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any 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.*" The term is not intended to include de minimis conditions that generally do not present a material risk of harm to public health or the environment and that generally would not subject the subject property to an enforcement action if brought to the attention of appropriate governmental agencies.

A historical REC (HREC) is defined as "*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 residential use criteria established by a regulatory authority, without subjecting the property to any required controls (e.g., property use restrictions, activity and use limitations [AUL], 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 controlled REC (CREC) is defined as "*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).*" (ASTM 2013).

This practice is intended to permit a user to satisfy one of the requirements to qualify for the innocent landowner defense to Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) liability: that is, the practices that constitute "all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice" as defined in 42 USC 9601(35)(B).

ENERCON understands that the subject property is either being bought, sold, or refinanced and that the Phase I ESA is being performed to satisfy the requirement for CERCLA "innocent purchaser" defense or to secure financing.

Pursuant to ASTM E 1527-13, an ESA meeting or exceeding this practice and for which the information was collected or updated within one year prior to the date of acquisition of the property or the date of the intended transaction may be used provided that the following components of the inquiries were conducted or updated within 180 days of the date of purchase or the date of the intended transaction:

- (i) interviews with owners, operators, and occupants;
- (ii) searches for recorded environmental cleanup liens;
- (iii) reviews of federal, tribal, state, and local government records;
- (iv) visual inspections of the property and of adjoining properties; and
- (v) the declaration by the environmental professional responsible for the assessment or update.

1.2 Scope of Services (Reliance)

To facilitate the understanding of this report, the Scope-of-Services are divided into several tasks; the physical setting data, the historical information review, regulatory records review, site and adjoining property reconnaissance, and findings and conclusions.

Physical setting data are typically consulted when conditions have been identified in which potentially hazardous materials or petroleum related products are likely to migrate to the subject property, from the subject property, or within the subject property into the groundwater or soil. Typical concerns include contaminated soil, groundwater, surface water, and vapor. At a minimum, a current United States Geological Survey (USGS) 7.5 Minute Topographic Map detailing the subject property area is evaluated. As noted by the ASTM standard, other physical setting sources, revealing additional hydrogeologic, hydrologic, and soil conditions, may be included as necessary to meet assessment objectives.

The historical information review portion is performed in order to develop a history of the site and adjoining properties to identify past uses suggesting RECs that may pose an environmental concern to the subject property. In general accordance with ASTM guidelines, obvious uses of the subject property are researched from the present, back to the subject property's first developed use, or back to 1940, whichever is earlier. This task involves discretionary review of as many of the ASTM standard historical sources as necessary and reasonably ascertainable to meet this objective.

Federal and state databases compiled by an environmental database company are reviewed to identify registered or documented facilities which may present an environmental concern to the subject property. Reasonably ascertainable standard regulatory sources are reviewed for the subject property and vicinity within minimum search distances, as detailed in the ASTM standard. At the discretion of the EP, pertinent regulatory files and/or records associated with listings for the subject property and adjoining properties are reviewed.

Additionally, record sources may be reviewed to enhance or supplement the federal and state database information. Reasonably ascertainable and practically reviewable sources may include city and/or county department of health records, local fire department records, local planning and building inspection records, local regional pollution control or environmental agency records, city, county or state water agency files, and local electric utility records.

A site reconnaissance is performed to obtain and record obvious and apparent visual evidence suggesting RECs to the extent not obstructed by bodies of water, adjoining buildings, or other external or interior barriers or obstacles. Site features, such as readily accessible adjoining public thoroughfares and on-site roads and paths and accessible common areas expected to be used by occupants or the public, are identified. Inspections of large tracts of land are performed utilizing grid patterns or systematic approaches, and assessments of developed sites include a visual inspection of a representative sample of occupied spaces. Current site uses are documented, paying particular attention to uses involving the treatment, storage, disposal or generation of hazardous substances or petroleum products. Apparent evidence of past or present underground storage tanks (UST) or aboveground storage tanks (AST), surface stains, distressed vegetation, electrical transformers, land scars, drums, pits, ponds, lagoons, solid waste, waste water, septic systems, wells or obvious evidence of improper use or disposal of toxic or hazardous materials are documented. The reconnaissance includes observations of adjoining properties to identify general land use and apparent potential RECs. These observations are made from public access right-of-ways.

ENERCON personnel makes reasonable attempts to interview owners and occupants of the subject property, past owners to the extent that they have been identified, as well as local government personnel, to obtain information suggesting RECs which may present concerns to the subject property.

In addition to ASTM E1527-13, ENERCON recognizes ASTM Standard Guide for Vapor Encroachment Screening (VES) on Property Involved in Real Estate Transactions (ASTM E2600-10) as an industry-accepted guideline for using Phase I ESA-type information to determine if a Vapor Encroachment Condition (VEC) exists at the subject property. Information compiled through completion of the above describe tasks (current and past property information, chemical use, government records, contaminated plume migration, significant subsurface conduits, groundwater depth and flow direction, and soil, geological, and contaminant characteristics) is used to conduct the VES.

VES consists of reviewing the Phase I ESA-type information combined with the application of professional judgment. ENERCON evaluates regulatory databases to determine if there are known or suspect contaminated sites within a minimum search distance of the target property. Further, ENERCON attempts to determine whether soil and/or groundwater has been impacted within the critical distance. Again, this screen is conducted using information available from the Phase I ESA investigation.

This Phase I ESA was prepared by ENERCON specifically for use by the Client. Use of or reliance upon this information by any other party without express written permission granted by ENERCON and the Client is not authorized and is completely at the risk of the user.

1.3 Deviations (Limitations, Exceptions and Data Gaps)

The intent of this investigation is to reduce uncertainty within reasonable limits of time and cost. No Phase I ESA can completely eliminate uncertainty regarding the potential for RECs in connection with a subject property.

Observations are based upon conditions on the specific date and time of the site reconnaissance. These observations are typically unable to address conditions of subsurface soil, groundwater, vapor, USTs, neighboring properties, and the like, unless specifically mentioned. It is not the purpose of this Phase I ESA to determine the actual presence, or degree or extent of contamination (if any) at the subject property. Unless specifically noted within this report, this Phase I ESA does not include testing, coring, or sampling and laboratory analysis to address groundwater, soil, vapor, or extraneous materials contamination in or on the subject property.

ENERCON makes no warranties or guarantees as to the accuracy or completeness of information obtained from or compiled by others. Information may also exist which was beyond the scope of this investigation, or was not provided to ENERCON, that may have an impact on the conclusions of this Phase I ESA.

This Phase I ESA has been conducted and prepared in accordance with generally accepted practices and procedures exercised by reputable professionals under similar circumstances. ENERCON makes no other warranties or guarantees, either expressed or implied, as to the findings, opinions, or recommendations contained in the report, or as to the existence or non-existence of RECs at the subject property.

ASTM E1527-13 directs that the Phase I ESA identify and comment on significant data gaps that affect the ability of the Environmental Professional to identify RECs. A data gap is defined as a lack of or inability to obtain information required despite good-faith efforts to gather information. Data gaps may result from incompleteness in any of the activities required by this practice. Data failure, or failure to achieve the historical research objectives even after reviewing the standard historical sources that are reasonably ascertainable and likely to be useful, is one type of data gap. A data gap is only significant if other information and/or professional experience raises reasonable concerns involving the data gap.

1.3.1 Data Gaps Encountered

During the course of ENERCON's assessment, data gaps/data failures were encountered. General data gaps/data failures encountered during the course of this assessment included:

- ENERCON did not observe the interior of any residential or commercial structures located on the subject property due to access permissions. While ENERCON observed at least a portion of the

exterior of all structures on site, the presence of hazardous construction materials and/or storage of potentially hazardous substances is unknown. Since the northwest corner of the subject property is utilized primarily as a commercial mini storage facility, this data gap is considered significant.

- Historical sources were not readily available at a five-year interval, however this data gap is not considered significant because it did not affect ENERCON's ability to identify RECs on the majority of the subject property.

2.0 Site Reconnaissance

Mr. Heath Garner of ENERCON performed a site reconnaissance of the subject property as well as the adjoining properties on January 19, 2016. The reconnaissance consisted of driving all roads of the subject property and of visual observations during a walking tour of the property and on-site improvements. Mr. Garner was not accompanied by any landowner, tenants, or property managers during the site reconnaissance. The site reconnaissance tasks included:

- Driving all road as well as agricultural roads present on the subject property
- Walking the perimeter and interior portions of the property with limited visibility

A site map and photographs are included in the appendix section of this report.

2.1 Property Description and Observations

The subject property is approximately 670 acres of agricultural land located in Mississippi County, Arkansas. Crops including soybeans, corn, and rice are grown in annual rotations throughout the property. A complete legal description for the subject property is provided in the Appendix Section of this report.

The subject property is located within an agricultural area. The subject property is bound to the north by the Arkansas Highway and Transportation Department, row-crop agricultural land, and Interstate 55; to the east by row-crop agricultural land and Arkansas North Eastern College; to the south by Denso Manufacturing, Systex Company, a residential area, fallow agricultural land, and AR Highway 140; and to the west by Interstate 55 followed by row-crop agricultural. The subject property can be accessed by Highway 140/West Keiser Avenue, State Highway 119, and is also equipped with agricultural roadways throughout the property.

There are residential and commercial structures located within the northwest corner of the subject property (See Figure 2). This area of the property is mixed use with two residences and a multiple building mini storage business. ENERCON was not allowed access to these structures.

No evidence of RECs in connection with the property was identified during the site reconnaissance.

2.1.1 Storage Tanks

ENERCON's site reconnaissance revealed no evidence of past or present underground storage tanks (USTs), such as fill caps or vent pipes, on the subject property. No unusual ground conditions, which might indicate the presence of USTs, waste oil tanks, hydraulic lifts, or other obvious environmental concerns, were observed on the subject property during ENERCON's site reconnaissance.

ENERCON's site reconnaissance revealed no above ground storage tanks (ASTs) on the subject property. However, the presence of a diesel powered well on the property indicates that a portable diesel tank is utilized during irrigation periods of crop production.

Note: ENERCON had no interior access of structures on the subject property, limiting observations for storage tanks that could be present inside existing structures.

2.1.2 Drums and Containers

No drums were observed on the subject property at the time of ENERCON's site reconnaissance.

No hazardous substance or petroleum product containers were observed on the subject property at the time of ENERCON's site reconnaissance.

No unidentified substance containers were observed on the subject property at the time of ENERCON's site reconnaissance.

Note: ENERCON had no interior access of structures on the subject property, limiting observations for storage tanks that could be present inside existing structures.

2.1.3 Wastestream Generation, Storage, and Disposal

No permit-required wastestream generation, storage, or disposal was observed on the subject property at the time of ENERCON's site reconnaissance.

No significant quantity of solid waste or evidence of landfills was observed during ENERCON's site reconnaissance.

2.1.4 Stains or Corrosion/ Pools of Liquid

No stained soil or pavement was observed on the subject property at the time of ENERCON's site reconnaissance.

No pools of liquid were observed on the subject property at the time of ENERCON's site reconnaissance.

2.1.5 Odors

No unusual odors were noted during ENERCON's site reconnaissance.

2.1.6 Polychlorinated Biphenyl

Electrical transformers are a potential source of environmental concern due to the possible presence of polychlorinated biphenyl (PCB)-containing cooling oils used in some units. There are 5 pole-mounted electrical transformers present on the subject property. The observed transformers were labeled as low-PCB containing units. There was one ground-mounted electrical transformer associated with an agricultural well that is also labeled as low-PCB. A map with the locations of these electrical transformers is included in the Appendix section of this report.

Note: ENERCON had no interior access of structures on the subject property, limiting observations for PCB-containing hydraulic lifts or other equipment that could be present inside existing structures.

2.1.7 Heating and Cooling

Heating or air-conditioning systems were observed on the subject property. These HVAC's were associated with the residential and commercial facilities in the northwest corner of the subject property. Systems included central units and window units, depending on the size and age of the structure.

2.1.8 Waste and Storm Water

No drains or sumps were observed on the subject property at the time of ENERCON's site reconnaissance.

No permit-required waste water was observed during ENERCON's site reconnaissance. Surface water runoff is generally expected to be directed toward the west, however, there are 8 field drainage ditches and 2 mapped drainage ditches that bisect the property. One of the mapped drainage ditches flows north to south bisecting the northern portion of the subject property, while the other bisects the property flowing east to west.

2.1.9 Pits, Ponds, or Lagoons

No pits, ponds, lagoons, or other surface waters were observed on the subject property.

2.1.10 Stressed Vegetation

No stressed vegetation was observed on the subject property.

2.1.11 Wells

Based on Local/Regional Water Agency Records there is 1 water well located within a mile of the subject property and 14 wells found in the surrounding area of the subject property. The well located within the subject property is owned by USGS Arkansas Water Science Center and is 120 feet below ground surface. The remaining wells within proximity of the subject property had depths ranging from 49 to 120 feet below ground surface.

There were also 4 agricultural wells observed on the subject property at the time of the site reconnaissance. One of these wells is powered with natural gas, one is powered with a diesel power unit (portable diesel tank and power unit absent at the time of the site reconnaissance), and two are powered using electrical sources. There are irrigation risers in the corner of each field adjoining each associated well. The location of each well is plotted on the site map (Figure 2) of this report.

2.1.12 Oil and Gas Wells and Mine Shafts

No evidence of oil wells, gas wells, mine shafts or related activities was noted on the subject property.

2.1.13 Railroad Spurs/Electrical Towers

No railroad spurs were observed during ENERCON's site reconnaissance. Six electrical towers associated with a high-voltage transmission line traverse the eastern border of the subject property.

2.1.14 Pesticide/Herbicide Application

No evidence of misuse or misapplication of pesticides, herbicides, or fertilizers was observed.

2.1.15 Septic Systems

No evidence of septic systems was observed during ENERCON's site reconnaissance. However, it is suspected that the properties with residential and commercial structures in the northwest corner utilize septic systems for sanitary sewage.

2.1.16 Utility Providers

Sanitary Sewer
Domestic Water
Electric Service
Natural Gas

Not Applicable
 Northeast Mississippi Co. Water Association
 Mississippi County Electric Cooperative
 Centerpoint Energy

2.2 Surrounding Properties

ENERCON performed an area reconnaissance to identify obvious visual indications of present or past activities that have or could have contaminated the subject property. The area reconnaissance was conducted by automobile, and/or on foot, unless otherwise noted. The general area consists primarily of agricultural land developed for crop production and livestock.

The following adjoining properties were observed:

Direction From Site	Occupant	Use	Comments
North	Unknown	Agricultural	Row-crop agricultural land is adjoining north, beyond which is Interstate 55 and primarily agricultural land.
East	Unknown	Agricultural	Row-crop agricultural land is adjoining east, beyond which is Arkansas Northeastern College.
South	Denso Manufacturing AR, Inc./Systemex Company	Mixed Use	Denso Manufacturing AR, Inc., State Highway 140 and Systemex Company are adjoining south beyond which is row-crop agricultural land and commercial properties.
West	Unknown	Agricultural	Interstate 55 is adjoining west, beyond which is row-crop agricultural land and residential properties.

3.0 Physical Setting

ENERCON reviews available sources of information in regard to the geology and hydrology of the subject property and surrounding area. The purpose of this review is to evaluate the sensitivity of the hydrogeology to potential contamination from sources either on or near the property. This section discusses the topography, regional geology, soil conditions, and hydrologic conditions of the subject property.

3.1 Topography

The subject property's physical setting is researched using a USGS 7.5 Minute Topographic Quadrangle Map relevant to the subject property. The USGS 7.5 Minute Quadrangle Map has an approximate scale of one inch equals 2000 feet, and shows physical features such as wetlands, roadways, mines, and buildings. The USGS 7.5 Minute Quadrangle Map is used as the Standard Physical Setting Source, and is sufficient as a single reference. An excerpt of this map is included as the Site Location Map.

On the *Keiser, AK* Quadrangle Map, the subject property and surrounding properties are illustrated as vacant land. The subject property appears to be fairly flat with minor changes in elevation (USGS 2014). No mines, wells, or wetlands are noted in the immediate area of the subject property. However, 14 channelized streams are mapped.

The elevation of the subject property is approximately 230 feet above mean sea level with a sloping gradient toward the west.

3.2 Geology

The geologic formations underlying the surface soils of the subject property are from the Cenozoic Era of the Quaternary System and are features of the Holocene series. The rocks are dominated by well-lithified sandstones, shales, limestones, and dolostones. The deposits indicated by this notation are alluvial deposits of present streams and one or more terrace levels. Sediments include gravels, sands, silts, clay and mixtures of any and all of these. Fossils are rare.

3.3 Soil Conditions

The soil underlying the area of the subject property is generally characterized by the United States Department of Agriculture (USDA), Natural Resource Conservation Service (NRCS) as Sharkey. The soil surface texture is reported to be silty clay. These are poorly drained, clayey soils with very slow infiltration rates. These soils have a high water table, or are shallow to an impervious layer. The soil is reportedly classified as partially hydric.

3.4 Hydrologic Conditions

No material reviewed specifically addressed measured groundwater gradient direction. Since the subject property has had no previously reported groundwater assessments, no site-specific data was available. The direction of groundwater flow in the immediate area is unknown, but is often reflected by the surface topography. Based on this, the expected shallow groundwater flow direction would be generally to the south. The groundwater gradient may be influenced by factors such as the subsurface utilities or heterogeneous conditions.

Based on Local/Regional Water Agency Records there is 1 water well located within a mile of the subject property and 14 wells found in the surrounding area of the subject property. The well is owned by USGS Arkansas Water Science Center and is 120 feet below ground surface. The remaining well depths range from 49 to 120 feet below ground surface. This suggests that ground water in the area may be intercepted at 49 feet below ground surface.

4.0 Historical Review Information

The objective of the site historical review is to develop an understanding of the history of the previous uses of the site and surrounding area, in an effort to help identify the likelihood of past uses or activities resulting in RECs in connection with the site. As defined by the ASTM Standard, a Standard Historical Source is considered complete if the information contained within the source provides the required information back to 1940, or to the first developed use (including agricultural). Ideally, the information should be available in either 5-year intervals or site milestone events (such as initial construction activities, demolition activities, etc.). However, available public and private historical sources do not always fulfill this goal, in which case the closest approximation is made based upon the sources readily available at the time of historical review. The historical review consisted of a search of various public and private Standard Historical Sources, as detailed in the sections below.

Aerial photographs are photographs taken from an airplane or helicopter. When taken from a low enough altitude, they allow the identification of development and activities in the area of a property on a particular date. Historic topographic maps show physical features and land use such as structures, wetlands, roadways, and mines over time.

City Directories have been published for major cities and towns across the United States since the 19th century. City Directories published in the 20th century included a street index for each street address during a given year. City Directories are a valuable source of historical information with regard to site tenancy and use.

Fire insurance maps are detailed drawings that show the location and use of structures on a given property during specific years. These maps were originally utilized by insurance companies to assess fire risk, but are now utilized as a valuable source of historical and environmental-risk information. Fire insurance maps typically exist for cities with populations of 2,000 or more, the coverage dependent on the location of the property.

Land title records and building department records may include information concerning a specific parcel, property development, previous use, and activity use limitations (AUL).

4.1 Historical Use

Review of historical resources reveals that the agricultural use of the subject property has been primarily for row-crop agriculture since its initial development. A variety of chemicals could have been applied to the agricultural crops grown on the subject property. Agricultural chemicals in use today are applied in dilute concentrations and, when used properly, degrade relatively quickly. However, environmentally persistent pesticides can linger in the soil for many years. It is not known if environmentally persistent pesticides have been applied to the subject property in the past. The normal use and application of agricultural chemicals generally does not trigger enforcement actions, investigation by regulatory agencies, or the recommendation for further assessment of the subject property unless there are indications that misuse, dumping, or improper storage of chemicals has occurred. ENERCON did not encounter evidence of on-site chemical mixing, chemical dumping, or improper storage of chemicals.

Aerial photography available for review on historic use had limited coverage. However, at least one of the residential structures and "shop building" in the northwest corner has been present since at least 1971. A residential structure (possibly the same) is depicted on the 1939 Evadale 15-minute topographic quadrangle. The commercial storage unit facilities were constructed sometime between 1984 and 1994.

Based on the information reviewed, it appears that the historical review has not identified evidence of RECs in connection with the subject property's historical use.

4.1.1 Summary of Historical Use

ENERCON reviewed readily available/reasonably ascertainable historical sources to determine past uses of the subject and adjoining properties. Historical sources reviewed may have included a combination of aerial photographs, topographic maps, fire insurance maps, city directories, building department records, recorded land title records, and other historical sources. If an attempt to obtain fire insurance maps was made, but none were available a "no coverage letter" letter was obtained. The following table is summary of the historical research.

Historical Summary

Date	Source	Subject Property	Adjoining Property
1939	Topographic Maps	Mapped as mixed agricultural and forested land with small structures along perimeter.	North:Mapped as agricultural land with residential structures East:Residential structures mapped along county roads with agricultural and forested areas South:Residential/small structures and Sandy Bayou School West: Residential structures mapped along a County road on western boundary
1956	Topographic Maps	Mapped as agricultural land with small structures along southern and northwestern boundary.	North:Mapped as agricultural with structures along highway East:Mapped as agricultural land with structures along roadways South:Mapped as agricultural land with structures along roadways West:Mapped as mixed agricultural and residential.
1971	Aerial Photographs	Agricultural land with structures in the northwest corner	North:No coverage East:No coverage South:No coverage West:I-55 followed by row-crop agriculture
1976	Aerial Photographs	Agricultural land	North: No coverage East: No coverage South: No coverage West: No coverage
1981	Aerial Photographs	Agricultural land with structures in the northwest corner	North:Developed agricultural land East:No coverage South:No coverage West:I-55 followed by agricultural land

Date	Source	Subject Property	Adjoining Property
1983	Topographic Maps	Mapped as agriculturally developed land with structures in the northwest corner and along southern boundary	North: Mapped as agricultural developed land East: Mapped as agricultural land with scattered residential structures South: Mapped as agricultural land with structures along Hwy 140 West: Mixed agricultural and residential
1984	Aerial Photographs	Agricultural land with structures in the northwest corner	North: Agricultural land and residential land East: Agricultural land and residential land South: Agricultural land with scattered commercial structures West: I-55 followed by agricultural land
1994	Aerial Photographs	Agricultural land. Partial subject property coverage	North: No coverage East: No coverage South: No coverage West: No coverage
2001	Aerial Photographs	Agricultural land with mixed residential and commercial structures in northwest corner	North: Agricultural land with single commercial development East: Not covered South: Not covered West: I-55 followed by agricultural land
2006	Aerial Photographs	Agricultural land. Partial subject property coverage	North: No coverage East: No coverage South: No coverage West: No coverage
2009	Aerial Photographs	Agricultural land with development in northwest corner. Partial subject property coverage	North: No coverage East: No coverage South: No coverage West: No coverage
2010	Aerial Photographs	Precision leveled agricultural land with structure in northwest corner. Partial subject property coverage	North: No coverage East: No coverage South: No coverage West: No coverage

Date	Source	Subject Property	Adjoining Property
2014	Topographic Maps	Mapped as agriculturally developed land with no structures depicted on the entire map	North:Mapped as agriculturally developed land East:Mapped as agriculturally developed land South:Mapped as agriculturally developed land West:Mapped as agriculturally developed land

4.2 Interviews

ENERCON was not able to interview the current subject property owner(s) due to multiple landowners and lack of provided contact information by the user of this report.

4.3 User's Responsibilities

As provided in the ASTM Standard and AAI Rule, it is the "user's" (party seeking to use Practice E 1527/AAI to complete the ESA [i.e. potential purchaser, potential tenant, owner]) responsibility to:

- Search for recorded environmental clean up liens and/or AULs;
- Provide "specialized knowledge" of the subject property and adjoining properties;
- And provide consideration of the relationship of the purchase price to the value of the property, if not contaminated.

Land title records include information concerning a specific parcel or real property and its leases, land contracts, and AULs or restrictive covenants used to eliminate potential exposure scenarios. Land titles can include information concerning land use controls or institutional controls for a specific property. According to ASTM E 1527-13, reasonably ascertainable recorded land title records and lien records filed under federal, tribal, state, or local law should be reviewed to identify environmental liens or AULs. Recorded environmental cleanup liens are encumbrances on property for the recovery of incurred cleanup costs on the part of a state, tribal or federal government agency or other third party. Recorded environmental cleanup liens often provide an indication that environmental conditions either currently exist or previously existed on a property that may include the release or threatened release of a hazardous substance. The existence of an environmental cleanup lien should be viewed as an indicator of potential environmental concerns and as a basis for further investigation into the potential existence of on-going or continued releases or threatened releases of hazardous substances on, at, in, or to the subject property.

The investigation must include a search for recorded environmental cleanup liens. If information is collected by the user, ASTM allows for, but does not require, the information to be provided to the environmental professional. If the user is aware of any specialized knowledge or experience material to RECs in connection with the property, it is the user's responsibility to communicate any information based on such specialized knowledge or experience to the environmental professional.

- The user did not provide ENERCON information resulting from the search of recorded environmental clean up liens and/or AULs.
- The user did not communicate to ENERCON any specialized knowledge or experience material to RECs.

The following table summarizes information provided by Clif Chitwood, President of the Mississippi County Economic Development, on February 10, 2016.

Question	Response	Enercon/User Comments
Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law?	No	
Are you aware of any activity/use limitations, 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?	No	
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 an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?	No	
Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?	Yes	
Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of a release or threatened releases? For example: Do you know the past uses of the property? Do you know of specific chemicals that are present or once were present at the property? Do you know of spills or chemical releases that have taken place at the property? Do you know of any environmental cleanups that have taken place at the property?	Yes	Property is used as farmland
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?	No	

4.4 Previous Environmental Documentation

No previous environmental reports prepared for the subject property were supplied for ENERCON's review.

5.0 Agency Records Review

In an effort to determine whether the property or nearby sites have reported USTs, hazardous waste generation, or hazardous material releases, regulatory information from the federal and state agencies as required by ASTM were reviewed. Several agencies have published documents that list businesses or properties that have handled hazardous materials or waste or may have experienced site contamination. The federal and state database review was provided by Environmental Data Resources (EDR) of Shelton, Connecticut and is reportedly the most recent database information available from each agency (EDR 2016). The number of sites which appear on reviewed databases are listed in the table below. If a database does not include any findings, it is not included on the table below, but can be viewed in the table included in the appended copy of the EDR report. All databases searched and their search range criteria are included in the appendix. ENERCON did not verify the locations and distances of every property listed by EDR. ENERCON verified the location and distances of the properties ENERCON deemed as having the potential to pose an environmental impact to the subject property. The actual location of the listed properties may differ from the EDR listing. The actual distances of the listed properties are based on observations during ENERCON's site reconnaissance.

5.1 Review of Agency Records Search

ENERCON's review of the EDR regulatory database report indicated that the subject property is not listed on researched regulatory databases and did not identify nearby sites deemed to have a potential to pose an environmental impact to the subject property.

5.2 Orphan Properties

The orphan or unmapped site list consists of listed properties that have inadequate address information. However, if street addresses are available, the site locations are checked against the known location of the subject property to determine their relative location from the subject property.

No orphan sites were listed within the search radius of the subject property.

5.3 Local Agency Records Search

Following is a discussion of record searches performed at local government agencies or personal/telephone contacts made which provided information relevant to the subject property.

ENERCON contacted the Osceola Fire Department on February 1, 2016 for the purpose of conducting a records search of past or current environmental concerns associated with the subject property. According to Jeff Hodges, no records are on file for the subject property.

ENERCON contacted the Arkansas Department of Environmental Quality on February 1, 2016 for the purpose of conducting a records search of past or current environmental concerns associated with the subject property. According to Carla Graham with ADEQ, no records are on file for the subject property.

ENERCON contacted the Mississippi County Assessor's Office on February 1, 2016 for the purpose of conducting a records search of past or current environmental concerns associated with the subject property. According to Michelle Duncan, no records are on file for the subject property.

ENERCON contacted the Mississippi County Health Department on February 1, 2016 for the purpose of conducting a records search of past or current environmental concerns associated with the subject property. According to May Kennedy, no records are on file for the subject property.

6.0 Additional Services

Certain conditions are beyond the scope of ASTM Phase I ESA and are therefore outside the scope of this assessment, unless specifically addressed in this report. Those conditions include but are not limited to:

- Corrosive Drywall (Chinese Drywall)
- Radon
- Asbestos
- Lead-based Paint
- Lead in Drinking Water
- Wetlands
- Regulatory Compliance
- Cultural and Historic Resources
- Industrial Hygiene
- Health and Safety
- Ecological Resources
- Endangered Species
- Indoor Air Quality
- High Voltage Powerlines and Electromagnetic Fields (EMF)
- Environmental Permitting Issues
- Radioactive Materials whether or not under the Jurisdiction of the Nuclear Regulatory Commission

Asbestos-Containing Materials

Asbestos is an incombustible, chemical-resistant, carcinogenic, fibrous mineral. Asbestos containing materials (ACM) have been used extensively in fireproofing, electrical insulation, building materials, brake linings, and chemical filters.

ENERCON's scope of work concerning ACM on the property was designed solely to identify the potential for contamination from the most obvious and common suspect ACMs. The determination of exact quantities and locations of all ACMs was beyond the scope of this ESA. Only readily accessible building materials were observed. Inaccessible areas are not included in our observations since they are normally investigated prior to building renovation or demolition work. Inaccessible areas include, but are not limited to, roofs, pipe chases behind solid walls and ceilings, concealed floor coverings, the interior of machinery and equipment, and the water and sewer system.

A material is considered to be asbestos-containing if it contains greater than one percent asbestos as analyzed by polarized light microscopy (PLM) coupled with dispersion staining techniques. Friable ACM, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure. Non-friable ACM can be crumbled, pulverized, or reduced to powder during machining, cutting, drilling, or other abrasive procedures. Friable ACM is more likely to release fibers when disturbed or damaged than non-friable ACM.

Due to the lack of access to structures and facilities in the northwest corner of the subject property, asbestos sampling was not conducted as part of this assessment. Based on the date of construction for some of these structures (prior to 1971), ACMs may be present. Should significant renovation or demolition be planned at the subject property, an asbestos demolition survey should be conducted by a licensed professional in accordance with local, state, and federal regulations.

Radon

Radon is a colorless, odorless, naturally-occurring, radioactive gas originating from the breakdown of uranium in the subsurface. Radon is a known carcinogen implicated as a cause of lung cancer. The US EPA has published a Map of Radon Zones in the United States, which indicates the property is in a Zone 3 potential for radon gas. Zone 3 has a predicted average indoor radon screening level of less than 2.0 PicoCuries per liter (pCi/L). The US EPA recommends additional testing and investigation when radon levels are greater than 4.0 pCi/L.

Due to the low indoor average levels of radon on the subject property, radon is considered a low environmental concern.

Lead-Based Paint

Paints manufactured before 1960 were heavily leaded. Lead content was tapered off until 1978 when lead was banned from use in household paint. Lead is toxic to humans, especially children because of their size and weight. High concentrations of lead are believed by some medical authorities to cause mental retardation, seizures, coma, and death in children. Adults may suffer severe nervous disorders, but are less likely to die from acute lead exposure. Lead-based paint (LBP) in good condition is not usually a problem except in places where painted surfaces rub against each other and create dust, such as the friction surfaces of a painted window.

The US EPA does not publish a guideline or threshold limit specifically for lead in paint for private housing; however, the LBP Poisoning Prevention Act requires public housing projects to be inspected for LBP. Under the statute, LBP is defined as paint containing at least 0.5% lead by weight. Lead concentrations above this limit must be managed with an Operations and Maintenance (O&M) Program, or be abated if in poor condition. The 0.5% threshold is equivalent to 5,000 mg/kg (parts per million) of lead.

Residential structures located in the northwestern corner of the subject property may be old enough to contain LBP. No LBP testing or removal would be required as part of any planned demolition, but agency requirements may be applicable in the event of renovation.

Water Intrusion

Molds can be found almost anywhere, and will grow on virtually any organic substance as long as moisture and oxygen are present. There are molds that grow on wood, paper, carpet, foods, and insulation. When excessive moisture accumulates in buildings or on building materials, mold growth will often occur, particularly if the moisture source remains undiscovered, untreated, or ignored. It is impossible to eliminate all molds and mold spores in the indoor environment; however, mold growth can be controlled indoors in most cases by controlling the amount of moisture available. Moisture issues can result from many causes, including uncontrolled humidity, leaking roofs, plumbing or piping issues, condensation on water lines, etcetera. Delayed or insufficient maintenance practices are usually associated with moisture problems in commercial-use and multi-family residential buildings. Molds reproduce by propagating spores that usually cannot be seen without magnification. Mold spores continuously travel through the air and, after landing on a damp surface, begin to grow. Mold growth occurs through digestion of the parent material, which is destroyed as a result of this process.

Structures on the subject property were not inspected at the time of the site visit so the water intrusion conditions of these buildings is unknown at this time.

Lead in Drinking Water

Lead is a toxic heavy metal that does not decompose. It can be present in drinking water supplies as a result of contaminated source waters, the use of lead pipes, copper pipes with lead solder, and brass faucets or fittings that contain lead.

The Safe Drinking Water Act (SDWA) of 1974 established a Maximum Contaminant Level (MCL) goal of zero for lead in drinking water and the regulatory MCL for public water systems was set at 50 micrograms per liter ($\mu\text{g}/\text{l}$ -parts per billion) by the US EPA. Under the Lead and Copper Rule, established in 1991, the US EPA subsequently replaced this MCL with an action level of 15 $\mu\text{g}/\text{l}$. If a public water system (PWS) exceeds the action level in more than ten percent of samples collected, the provider is required to implement a corrosion control program and provide public education on lead in drinking water.

According to an on-line Consumer Confidence/Water Quality Report for the Mississippi County Water System, the potable supply is routinely tested and in compliance with the EPA SDWA. Lack of access to

residential and commercial structures in the northwest corner of the subject property could not verify these structures were connected to the Mississippi County Water System. However, considering the developed infrastructure for potable water and the composition of new supply pipes for a new industrial development, the potential environmental hazard for impact by lead in drinking water is considered low.

7.0 Findings

The following summarizes the findings of this assessment.

7.1 Property Description and Observations

The subject property is approximately 670 acres of agricultural land located in Mississippi County, Arkansas. Crops including soybeans, corn, and rice are grown in annual rotations throughout the property. A complete legal description for the subject property is provided in the Appendix Section of this report.

The subject property is located within an agricultural area. The subject property is bound to the north by the Arkansas Highway and Transportation Department, row-crop agricultural land, and Interstate 55; to the east by row-crop agricultural land and Arkansas North Eastern College; to the south by Denso Manufacturing, Systex Company, a residential area, fallow agricultural land, and AR Highway 140; and to the west by Interstate 55 followed by row-crop agricultural. The subject property can be accessed by Highway 140/West Keiser Avenue, State Highway 119, and is also equipped with agricultural roadways throughout the property.

There are residential and commercial structures located within the northwest corner of the subject property (See Figure 2). This area of the property is mixed use with two residences and a multiple building mini storage business. ENERCON was not allowed access to these structures.

No evidence of RECs in connection with the property was identified during the site reconnaissance.

7.2 Historical Use

Review of historical resources reveals that the agricultural use of the subject property has been primarily for row-crop agriculture since its initial development. A variety of chemicals could have been applied to the agricultural crops grown on the subject property. Agricultural chemicals in use today are applied in dilute concentrations and, when used properly, degrade relatively quickly. However, environmentally persistent pesticides can linger in the soil for many years. It is not known if environmentally persistent pesticides have been applied to the subject property in the past. The normal use and application of agricultural chemicals generally does not trigger enforcement actions, investigation by regulatory agencies, or the recommendation for further assessment of the subject property unless there are indications that misuse, dumping, or improper storage of chemicals has occurred. ENERCON did not encounter evidence of on-site chemical mixing, chemical dumping, or improper storage of chemicals.

Aerial photography available for review on historic use had limited coverage. However, at least one of the residential structures and "shop building" in the northwest corner has been present since at least 1971. A residential structure (possibly the same) is depicted on the 1939 Evadale 15-minute topographic quadrangle. The commercial storage unit facilities were constructed sometime between 1984 and 1994.

Based on the information reviewed, it appears that the historical review has not identified evidence of RECs in connection with the subject property's historical use.

7.3 Review of Federal and State Record Search

ENERCON's review of the EDR regulatory database report indicated that the subject property is not listed on researched regulatory databases and did not identify nearby sites deemed to have a potential to pose an environmental impact to the subject property.

8.0 Conclusions

We have performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527 of the subject property. Any exceptions to, or deletions from, this practice are described in the Deviation section of this report.

This assessment has revealed no evidence of Recognized Environmental Conditions (RECs), Controlled RECs (CRECs), Historical RECs (HRECs), or Vapor Encroachment Conditions (VECs) in connection with the subject property.

References

American Society for Testing and Materials (ASTM) 2013. Practice E 1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.

Environmental Data Resources, Inc. (EDR). 2016. Aerial Photo Decade Package, 1971-2010. Inquiry number 4516129.5, Astro Site, State Highway 140 Osceola, AR. January 25.

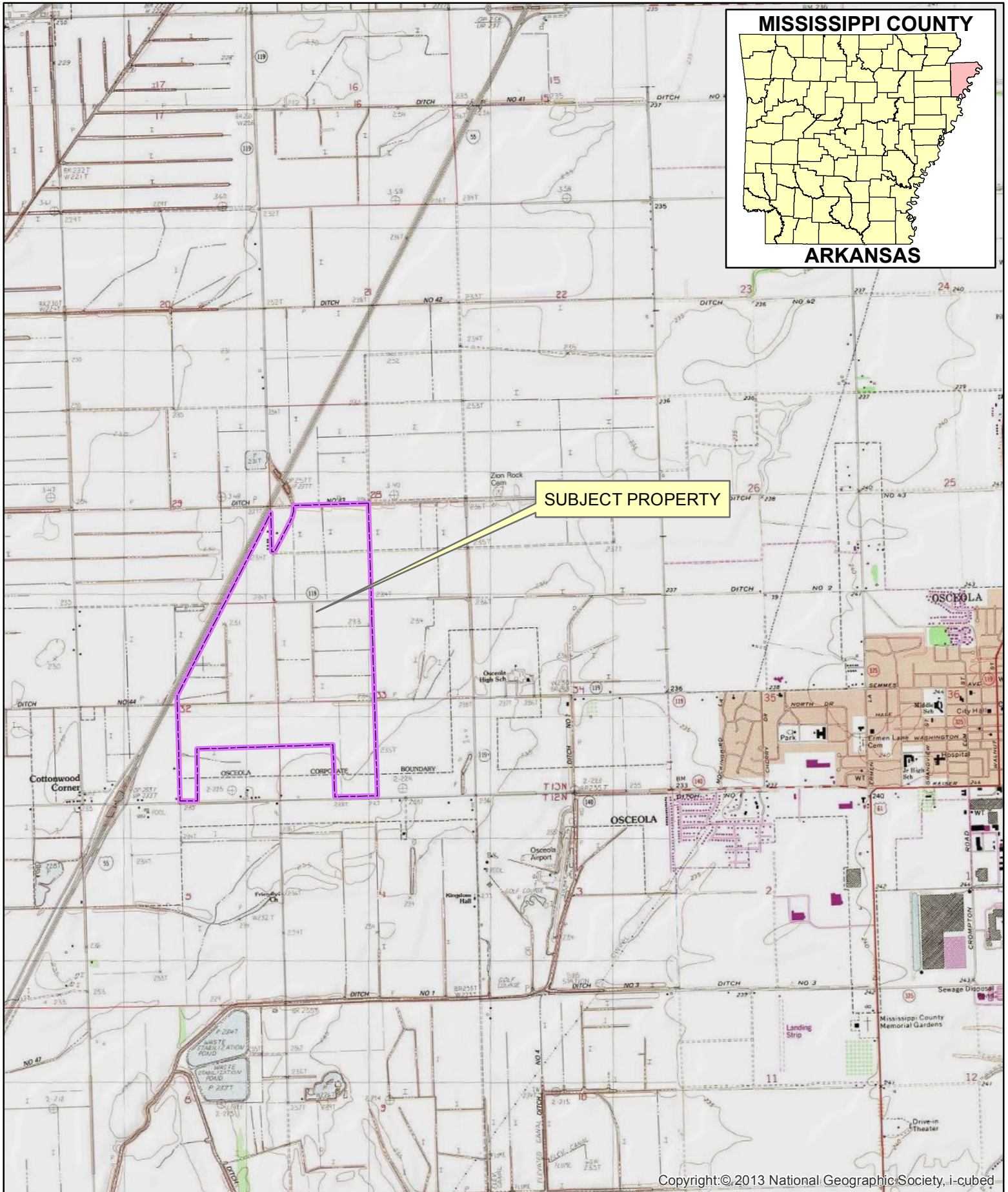
EDR. 2016. Certified Sanborn Map Report, No Coverage. Inquiry number 4516129.3 , Astro Site, State Highway 140 Osceola, AR. January 25.

EDR. 2016. Historical Topographic Map Report, 1939-2014. Inquiry number 4516129.8, Astro Site, State Highway 140 Osceola, AR. January 25.

EDR. 2016. Radius Map Report, Inquiry number 4516129.2s, Astro Site, State Highway 140 Osceola, AR. January 25.

U.S. Environmental Protection Agency. 2013. "Standards and Practices for All Appropriate Inquiries; Final Rule" (40 Code of Federal Regulations Part 312). Federal Register Vol. 78, No. 210. December 30

Figures



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Figure 1. Site Vicinity Map

Mississippi County Government
 Drawn by: H. Garner
 Date: 1/28/2016

**Astro Site
 Phase I ESA**
 Mississippi County, Arkansas

Projection: NAD83 UTM Zone 15 North

Subject Property Boundary

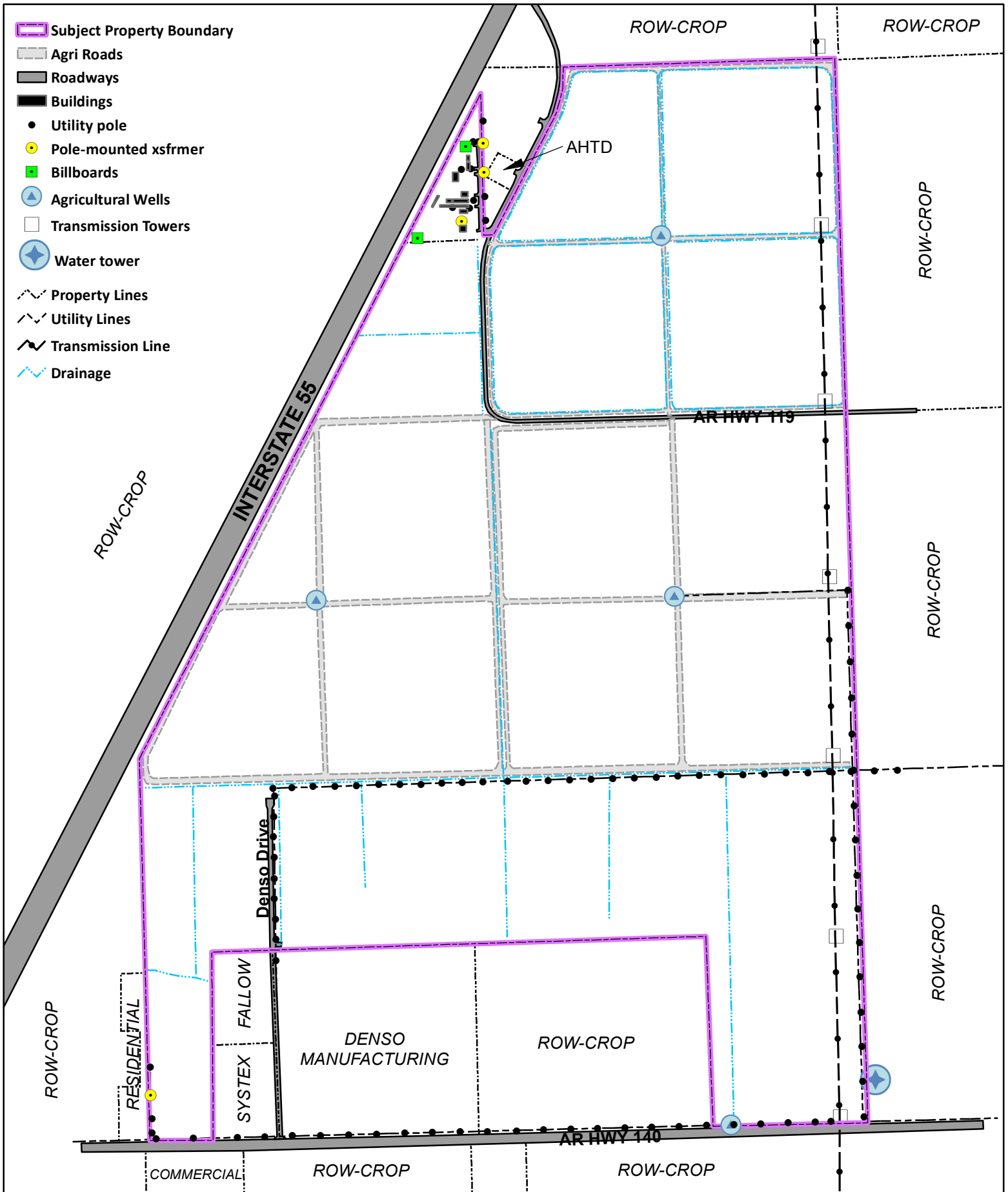


Figure 2. Site Map



**Astro Site
Phase I ESA**
Mississippi County, Arkansas

LEGEND ABOVE



Photographs



1 : Southern boundary of the Subject Property facing east.



2 : Adjoining industrial property to the south (Denso Manufacturing)



3 : Ground-mounted transformer located in the southwest corner of the Subject Property, possibly associated with the Denso facility



4 : Un-named drainage ditch bisecting the south-central region of the Subject Property (facing west)



5 : Un-named drainage ditch bisecting the south-central region of the Subject Property (facing east)



6 : West central area of the Subject Property (facing north)



7 : Southwest corner of the Subject Property (facing southwest)



8 : Southern area of the Subject Property (facing east from)



9 : Drainage ditch flowing from Denso Manufacturing along Denso road towards drainage ditch bisecting the Subject Property.



10 : Single-family residence and unoccupied commercial building in the northwest corner of the Subject Property



11 : Commercial facility & office (storage facility) as well as single-family residence located in the northwest corner of the Subject Property



12 : Arkansas Highway and Transportation Department office building located adjoining east in the northwest corner of the Subject Property



13 : Typical natural gas powered agricultural well located on the Subject Property



14 : Irrigation riser associated with agricultural wells on the Subject Property



15 : Northern area of the Subject Property facing southeast



16 : Northern area of the Subject Property facing north



17 : Northern area of the Subject Property facing east



18 : Electric powered well (and associated ground-mounted transformer) in the north-central area of the Subject Property



19 : Irrigation riser and portable weather station in the north-central area of the Subject Property (facing northeast)



20 : Irrigation riser associated with the electric well on the Subject Property (facing southeast)



21 : Irrigation riser associated with the electric well on the Subject Property (facing southwest)



22 : Unimproved turn-row/farm road providing access throughout the interior acreage of the Subject Property



23 : Electrical service lines running parallel to the un-named ditch bisecting the Subject Property (east-west)



24 : High-tension transmission line running along the eastern edge of the Subject Property (facing north)



25 : High-tension transmission line running along the eastern edge of the Subject Property (facing south)



26 : Electrical service line and transmission line running along the east boundary of the Subject Property (facing south towards City of Osceola water tower)



27 : Adjoining east property



28 : Southeast corner of the Subject Property and adjoining southeast property (Systemx)



29 : Arkansas Highway 140 (Keiser Ave) providing access to the Subject Property from the South (facing east)



30 : Denso Road providing ingress/egress to the southeast corner of the Subject Property



31 : Arkansas Highway 119 bisecting the northern 1/2 of the Subject Property (facing east)



32 : Arkansas Highway 119 bisecting the northern 1/2 of the Subject Property (facing west)

Historical Research Documentation



Astro Site

3500 State Hwy 140

Osceola, AR 72370

Inquiry Number: 4516129.5

January 25, 2016

The EDR Aerial Photo Decade Package



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

EDR Aerial Photo Decade Package

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.

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Date EDR Searched Historical Sources:

Aerial Photography January 25, 2016

Target Property:

3500 State Hwy 140

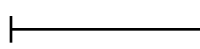
Osceola, AR 72370

<u><i>Year</i></u>	<u><i>Scale</i></u>	<u><i>Details</i></u>	<u><i>Source</i></u>
1971	Aerial Photograph. Scale: 1"=500'	Flight Date: April 08, 1971	EDR
1976	Aerial Photograph. Scale: 1"=500'	Flight Date: January 14, 1976	EDR
1981	Aerial Photograph. Scale: 1"=1000'	Flight Date: March 11, 1981	EDR
1984	Aerial Photograph. Scale: 1"=1000'	Flight Date: February 08, 1984	EDR
1994	Aerial Photograph. Scale: 1"=500'	DOQQ - acquisition dates: February 02, 1994	USGS/DOQQ
2001	Aerial Photograph. Scale: 1"=750'	Flight Date: March 26, 2001	EDR
2006	Aerial Photograph. Scale: 1"=500'	Flight Year: 2006	USDA/NAIP
2009	Aerial Photograph. Scale: 1"=500'	Flight Year: 2009	USDA/NAIP
2010	Aerial Photograph. Scale: 1"=500'	Flight Year: 2010	USDA/NAIP



INQUIRY #: 4516129.5

YEAR: 1971

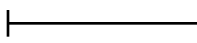
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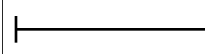
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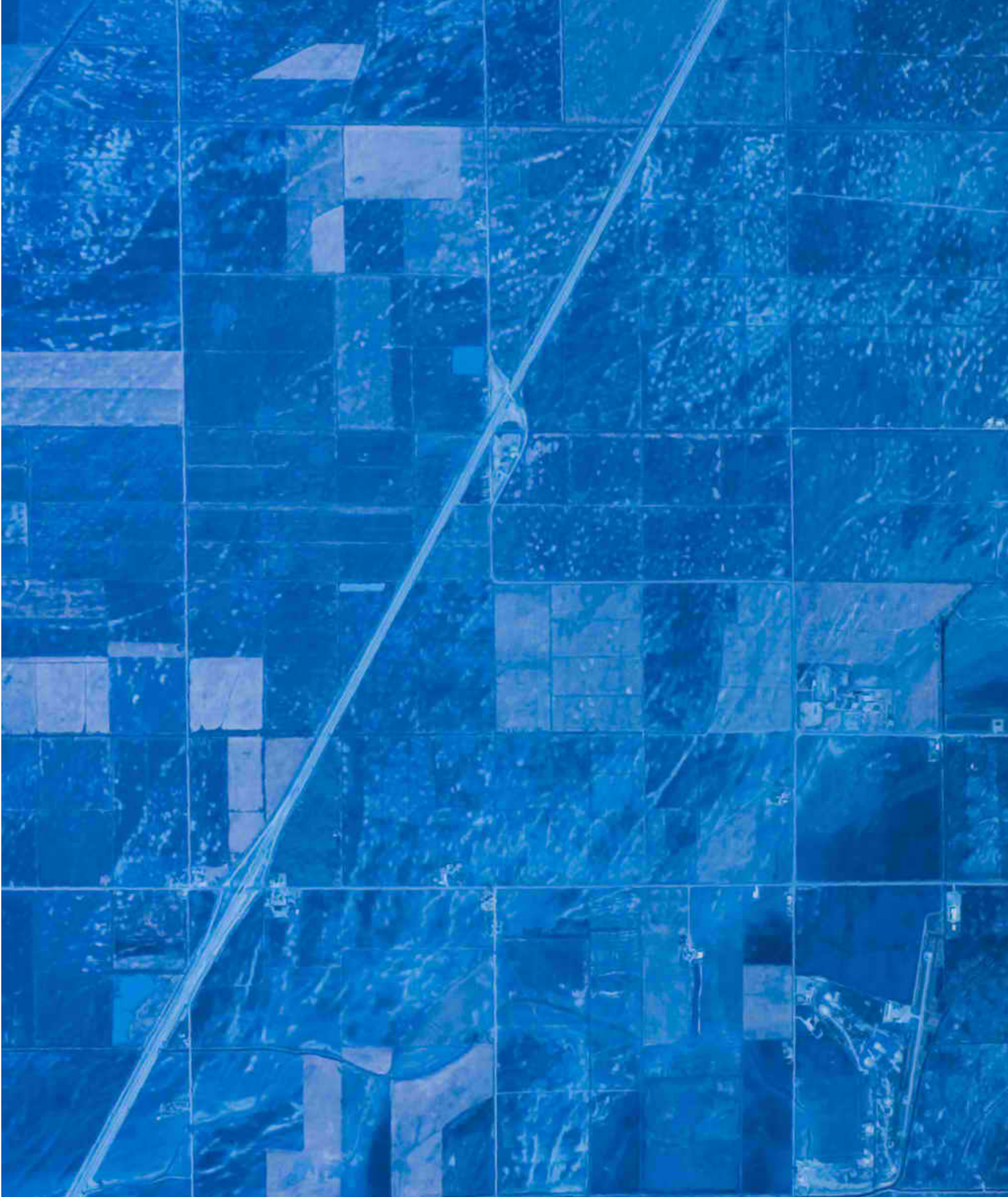


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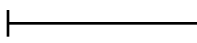
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YEAR: 1984

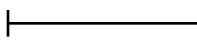
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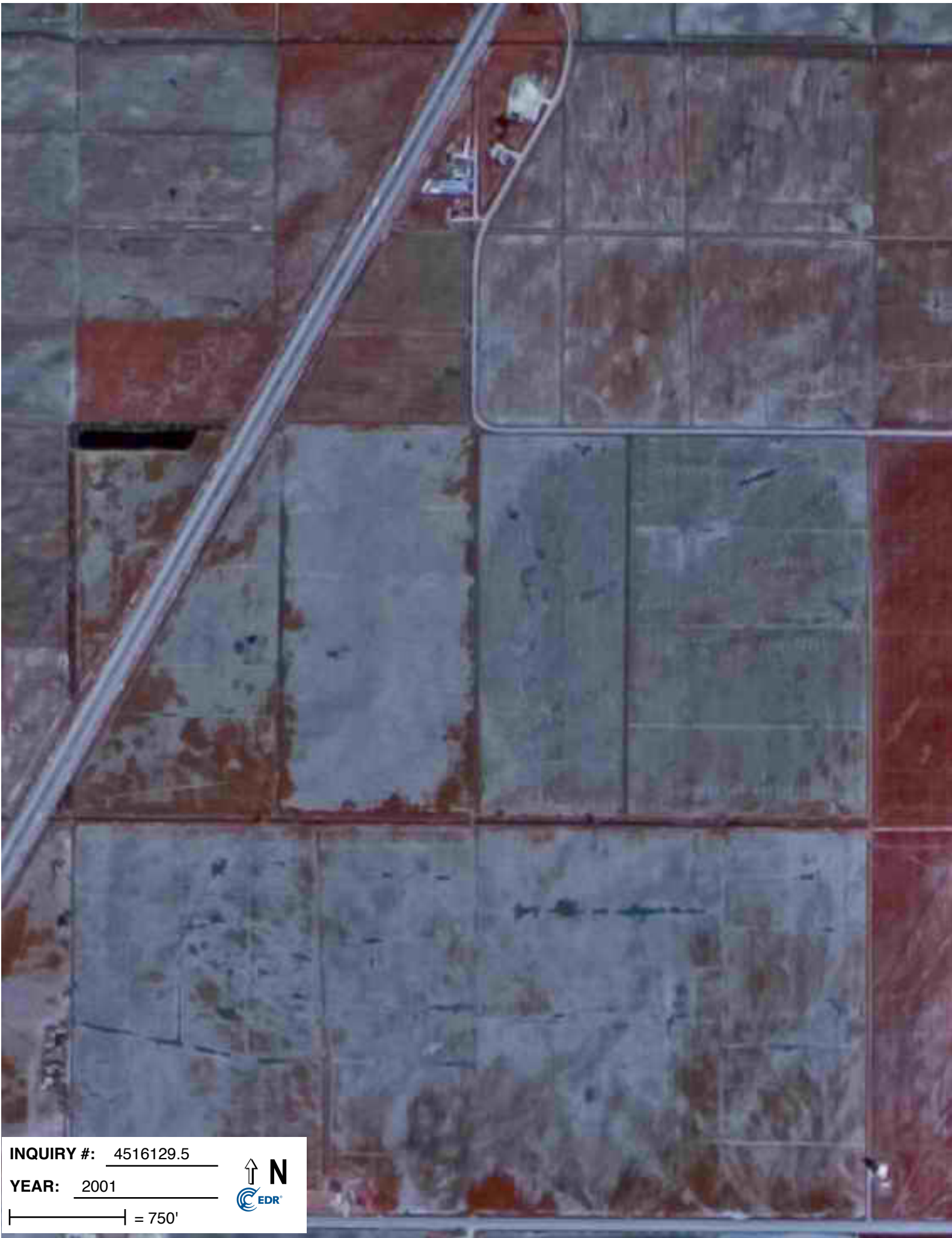


INQUIRY #: 4516129.5

YEAR: 1994

 = 500'





INQUIRY #: 4516129.5

YEAR: 2001

| = 750'





INQUIRY #: 4516129.5

YEAR: 2006

| = 500'





INQUIRY #: 4516129.5

YEAR: 2009

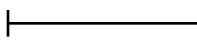
| = 500'






INQUIRY #: 4516129.5

YEAR: 2010

 = 500'





Astro Site

3500 State Hwy 140

Osceola, AR 72370

Inquiry Number: 4516129.8

January 25, 2016

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

01/25/16

Site Name: Astro Site 3500 State Hwy 140 Osceola, AR 72370 EDR Inquiry # 4516129.8	Client Name: Enercon Services, Inc. 1601 NW Expressway Oklahoma City, OK 73118 Contact: Heath Garner
---	---



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Enercon Services, Inc. were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. 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:

Site Name:	Astro Site	Latitude:	35.7091 35° 42' 33" North
Address:	3500 State Hwy 140	Longitude:	-90.0351 -90° 2' 6" West
City,State,Zip:	Osceola, AR 72370	UTM Zone:	Zone 15 North
P.O.#	NA	UTM X Meters:	768235.78
Project:	PHI2597 MS County Astro Site	UTM Y Meters:	3955737.10
		Elevation:	230.00' above sea level

Maps Provided:

2014
1983
1956
1939

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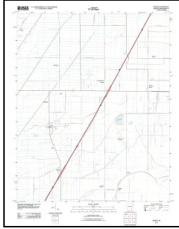
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Topo Sheet Thumbnails

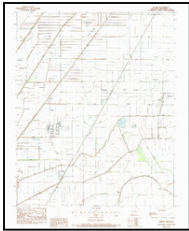
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2014 Source Sheets



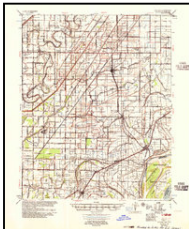
Keiser
2014
7.5-minute, 24000

1983 Source Sheets



Keiser
1983
7.5-minute, 24000
Aerial Photo Revised 1976
Edited 1983

1956 Source Sheets

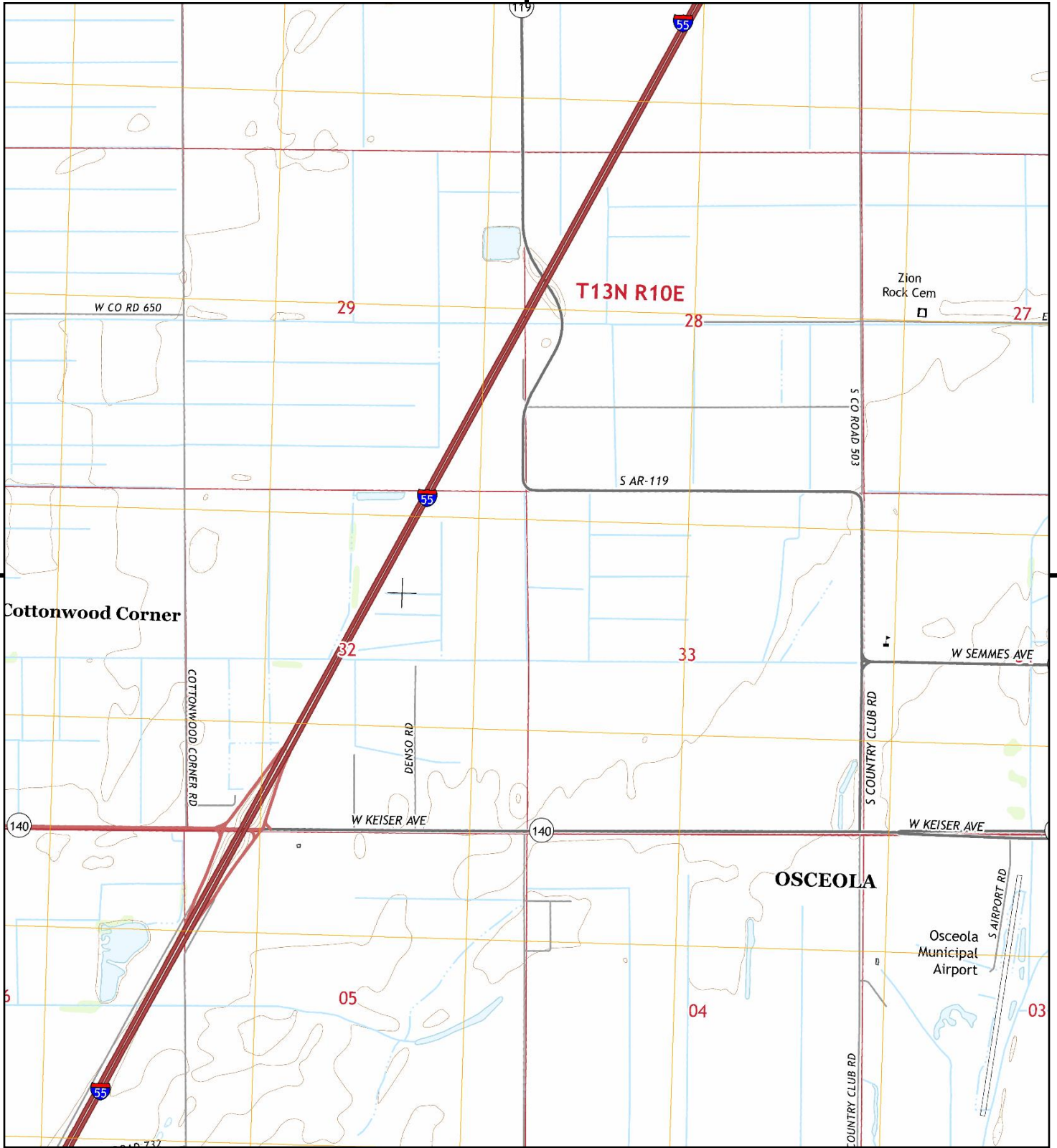


Evadale
1956
15-minute, 62500
Aerial Photo Revised 1950

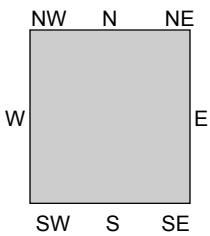
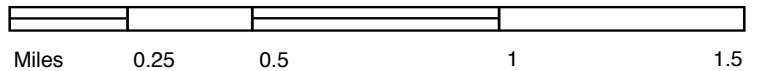
1939 Source Sheets



Evadale
1939
15-minute, 62500



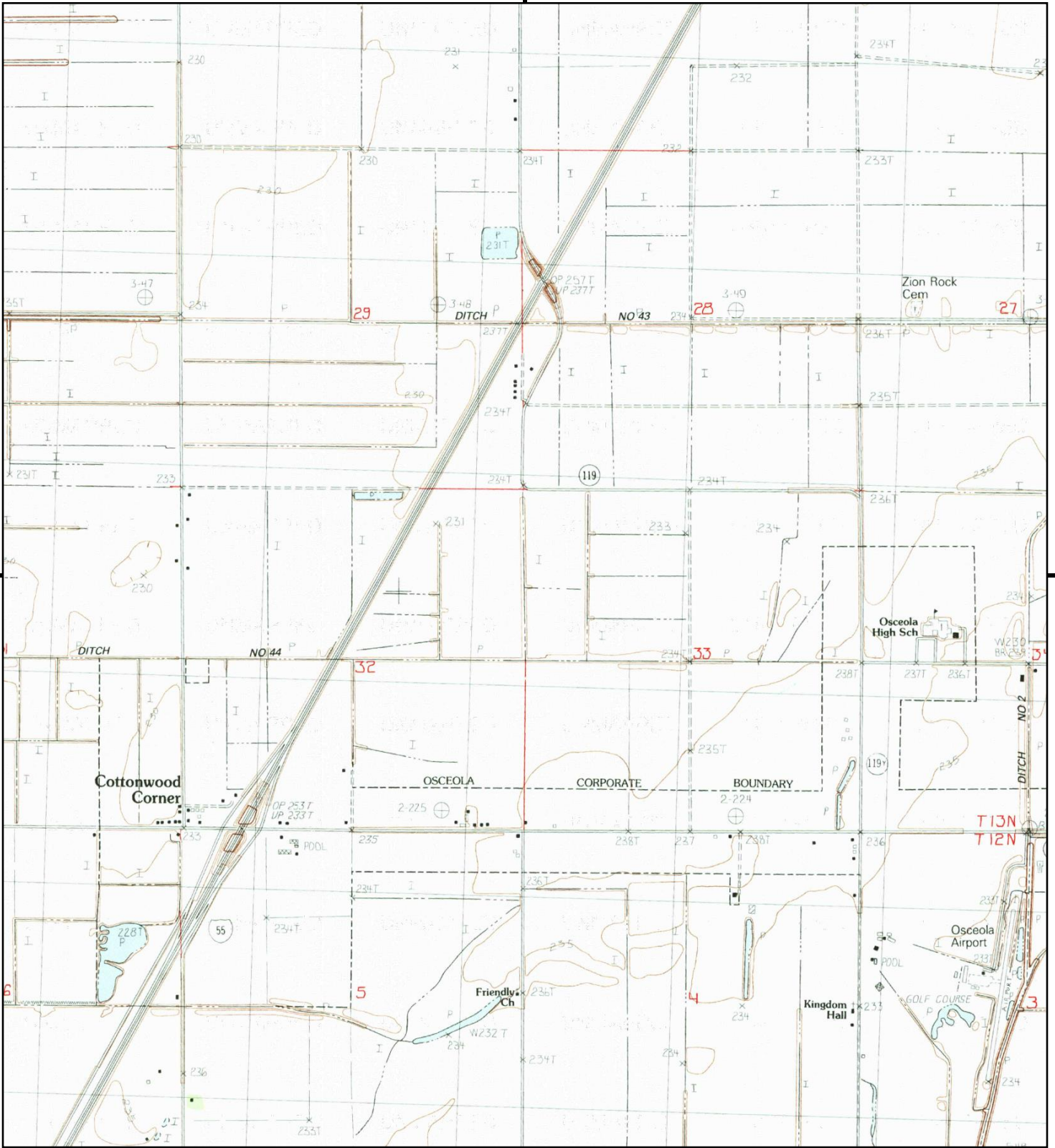
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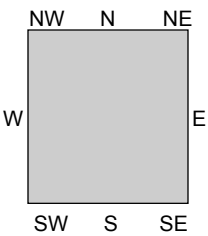
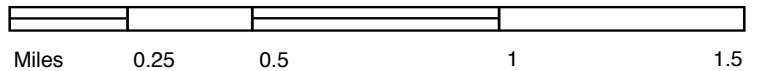
TP, Keiser, 2014, 7.5-minute

SITE NAME: Astro Site
 ADDRESS: 3500 State Hwy 140
 Osceola, AR 72370
 CLIENT: Enercon Services, Inc.





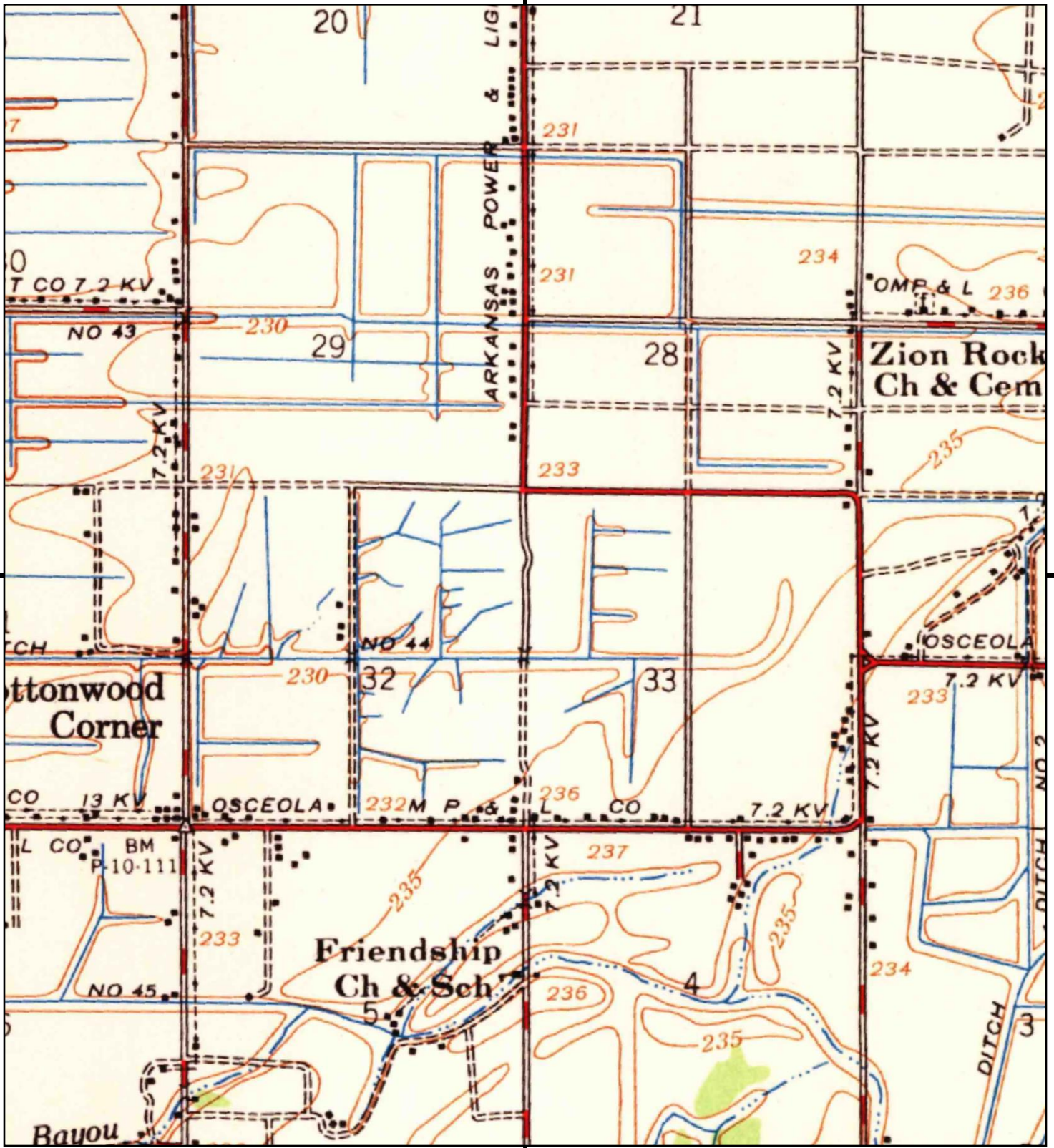
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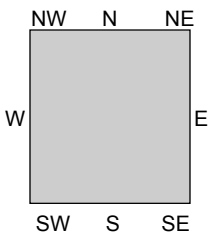
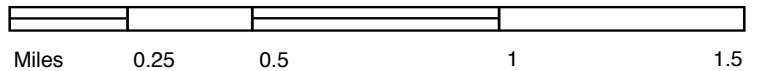
TP, Keiser, 1983, 7.5-minute

SITE NAME: Astro Site
 ADDRESS: 3500 State Hwy 140
 Osceola, AR 72370
 CLIENT: Enercon Services, Inc.





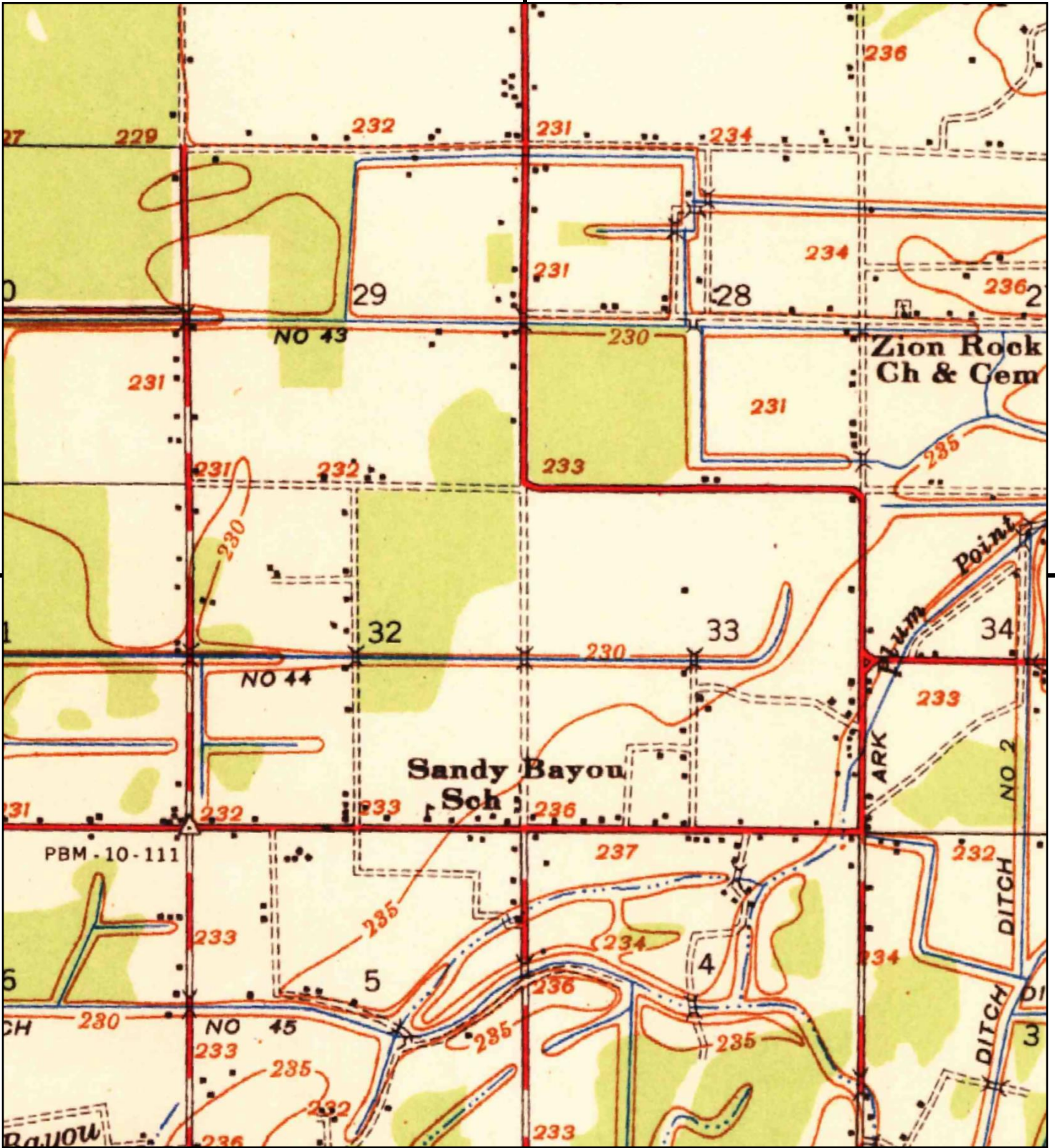
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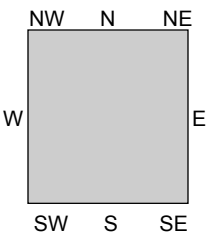
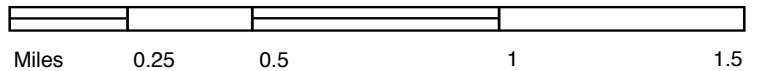
TP, Evadale, 1956, 15-minute

SITE NAME: Astro Site
 ADDRESS: 3500 State Hwy 140
 Osceola, AR 72370
 CLIENT: Enercon Services, Inc.





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



TP, Evadale, 1939, 15-minute

SITE NAME: Astro Site
 ADDRESS: 3500 State Hwy 140
 Osceola, AR 72370
 CLIENT: Enercon Services, Inc.





Astro Site

3500 State Hwy 140

Osceola, AR 72370

Inquiry Number: 4516129.3

January 25, 2016

Certified Sanborn® Map Report



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

Certified Sanborn® Map Report

1/25/16

Site Name:

Astro Site
3500 State Hwy 140
Osceola, AR 72370

Client Name:

Enercon Services, Inc.
1601 NW Expressway
Oklahoma City, OK 73118



EDR Inquiry # 4516129.3

Contact: Heath Garner

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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:

Site Name: Astro Site
Address: 3500 State Hwy 140
City, State, Zip: Osceola, AR 72370
Cross Street:
P.O. # NA
Project: PHI2597 MS County Astro Site
Certification # F443-45B7-9BC9



Sanborn® Library search results
Certification # F443-45B7-9BC9

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.

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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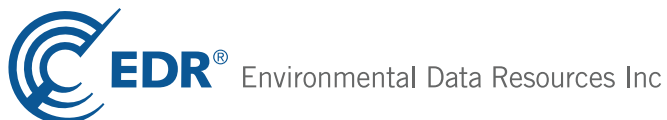
Regulatory Records Documentation

Astro Site

3500 State Hwy 140
Osceola, AR 72370

Inquiry Number: 4516129.2s
January 19, 2016

The EDR Radius Map™ Report with GeoCheck®



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

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Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-5
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Thank you for your business.
 Please contact EDR at 1-800-352-0050
 with any questions or comments.

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EXECUTIVE SUMMARY

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

TARGET PROPERTY INFORMATION

ADDRESS

3500 STATE HWY 140
OSCEOLA, AR 72370

COORDINATES

Latitude (North): 35.7091000 - 35° 42' 32.76"
Longitude (West): 90.0351000 - 90° 2' 6.36"
Universal Transverse Mercator: Zone 15
UTM X (Meters): 768242.1
UTM Y (Meters): 3955537.5
Elevation: 230 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 6063059 KEISER, AR
Version Date: 2014

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20100702
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:
3500 STATE HWY 140
OSCEOLA, AR 72370

Click on Map ID to see full detail.

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

NO MAPPED SITES FOUND

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

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

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

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

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing
CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP..... CERCLIS No Further Remedial Action Planned

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

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

Federal RCRA generators list

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

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System
US ENG CONTROLS..... Engineering Controls Sites List

EXECUTIVE SUMMARY

US INST CONTROL..... Sites with Institutional Controls

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent NPL

SHWS..... Hazardous Substance Remedial Action Trust Fund Priority List

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

SWF/LF..... Solid Waste Facility Permit Database

SWID..... Solid Waste Illegal Dumps Database

State and tribal leaking storage tank lists

LTANKS..... Leaking Storage Tank Location Listing

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

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing

UST..... Underground Storage Tank Data

AST..... Aboveground Tank Database

INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

ENG CONTROLS..... Engineering Controls Sites Listing

INST CONTROL..... Institutional Control/Land Use Restriction Sites

State and tribal voluntary cleanup sites

VCP..... Voluntary Cleanup Program Sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS..... Brownfields Projects

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY..... Recycling Directory

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

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

ODI..... Open Dump Inventory

Local Lists of Hazardous waste / Contaminated Sites

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

EXECUTIVE SUMMARY

CDL..... Methamphetamine Contaminated Properties Listing
US CDL..... Clandestine Drug Labs

Local Land Records

LIENS 2..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System
SPILLS..... Emergency Response Incidents
SPILLS 90..... SPILLS 90 data from FirstSearch
SPILLS 80..... SPILLS 80 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR..... RCRA - Non Generators / No Longer Regulated
FUDS..... Formerly Used Defense Sites
DOD..... Department of Defense Sites
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR..... Financial Assurance Information
EPA WATCH LIST..... EPA WATCH LIST
2020 COR ACTION..... 2020 Corrective Action Program List
TSCA..... Toxic Substances Control Act
TRIS..... Toxic Chemical Release Inventory System
SSTS..... Section 7 Tracking Systems
ROD..... Records Of Decision
RMP..... Risk Management Plans
RAATS..... RCRA Administrative Action Tracking System
PRP..... Potentially Responsible Parties
PADS..... PCB Activity Database System
ICIS..... Integrated Compliance Information System
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS..... Material Licensing Tracking System
COAL ASH DOE..... Steam-Electric Plant Operation Data
COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER..... PCB Transformer Registration Database
RADINFO..... Radiation Information Database
HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS..... Incident and Accident Data
CONSENT..... Superfund (CERCLA) Consent Decrees
INDIAN RESERV..... Indian Reservations
UMTRA..... Uranium Mill Tailings Sites
LEAD SMELTERS..... Lead Smelter Sites
US AIRS..... Aerometric Information Retrieval System Facility Subsystem
US MINES..... Mines Master Index File
FINDS..... Facility Index System/Facility Registry System
AIRS..... Permitted Facility Emission & Stack Data
ASBESTOS..... Asbestos Notification of Intent Database
COAL ASH..... Coal Ash Disposal Site Listing
ENF..... Consent Administrative Order, Notice of Violation Information Database
Financial Assurance..... Financial Assurance Information Listing
PERMITS..... Permit Data System
AR Sludge..... Poultry Sludge Permit Sites

EXECUTIVE SUMMARY

TIER 2..... Tier 2 Information Listing
UIC..... Underground Injection Wells Database Listing

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP..... EDR Proprietary Manufactured Gas Plants
EDR Hist Auto..... EDR Exclusive Historic Gas Stations
EDR Hist Cleaner..... EDR Exclusive Historic Dry Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

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

SURROUNDING SITES: SEARCH RESULTS

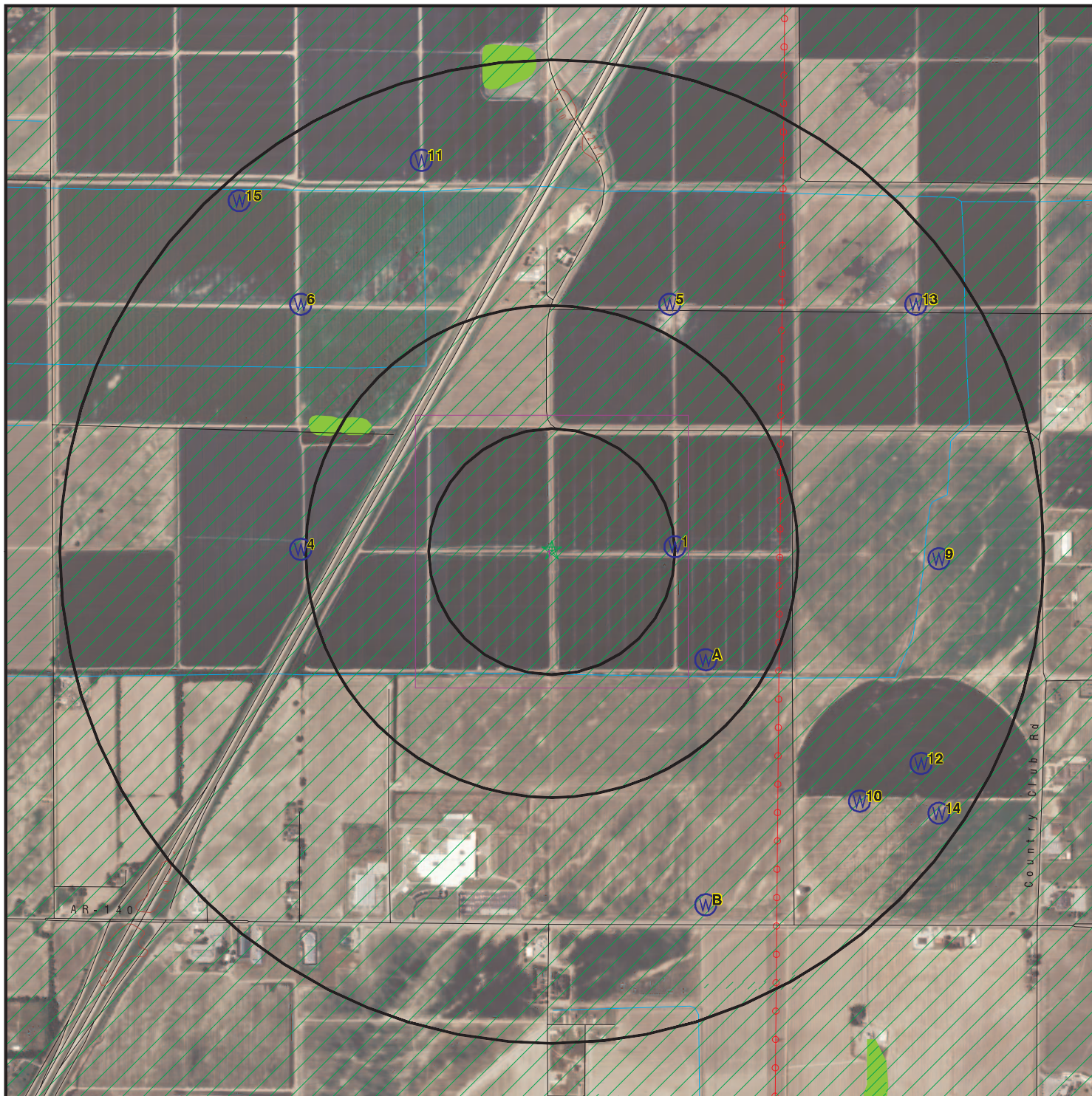
Surrounding sites were not identified.

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

EXECUTIVE SUMMARY

There were no unmapped sites in this report.

OVERVIEW MAP - 4516129.2S



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚙ Manufactured Gas Plants
- 🏠 National Priority List Sites
- 🏠 Dept. Defense Sites

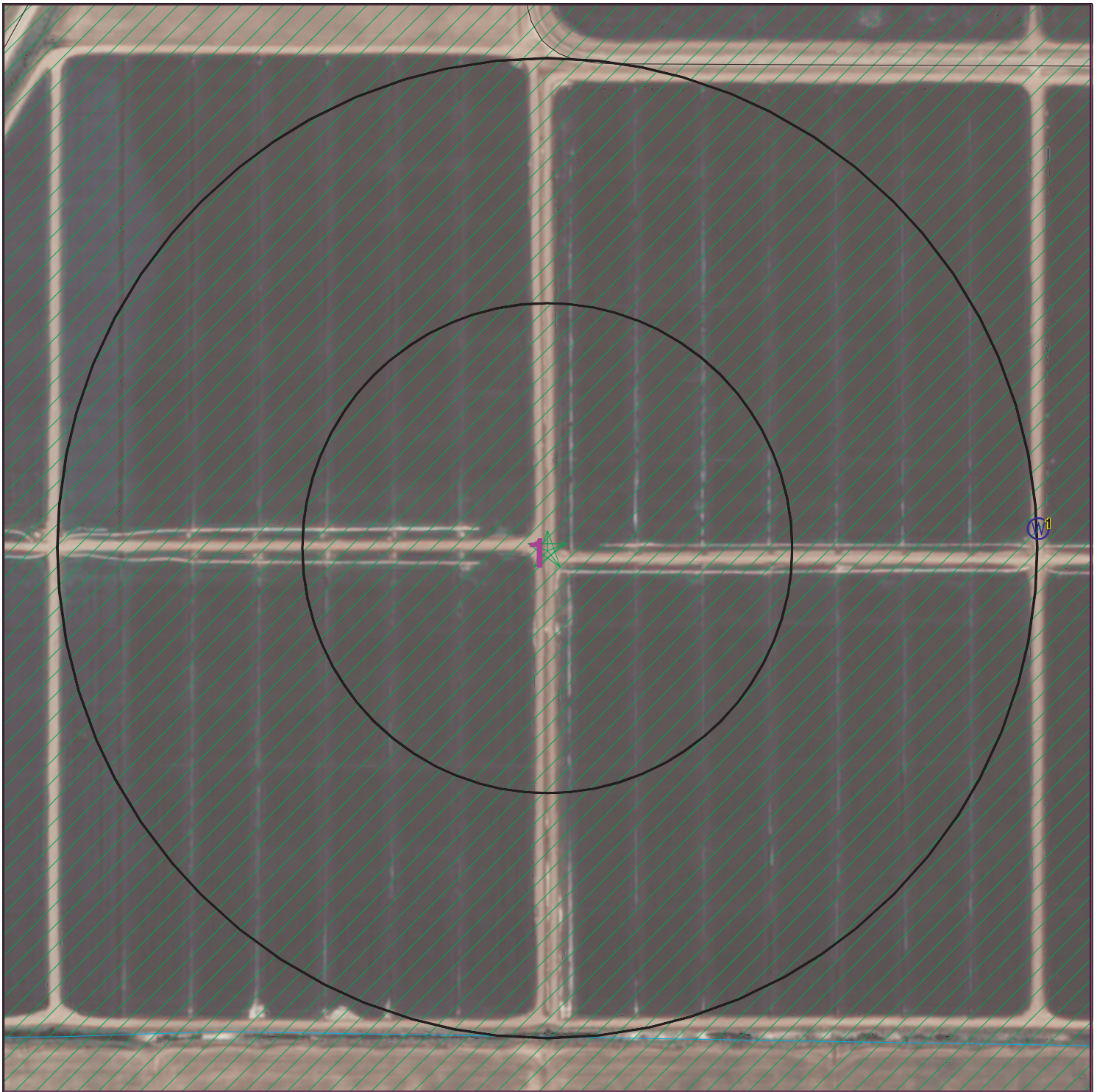
- 🏠 Indian Reservations BIA
- ⚡ Power transmission lines
- 🌊 100-year flood zone
- 🌊 500-year flood zone
- 🌿 National Wetland Inventory
- 🌿 State Wetlands

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

SITE NAME: Astro Site
 ADDRESS: 3500 State Hwy 140
 Osceola AR 72370
 LAT/LONG: 35.7091 / 90.0351




CLIENT: Enercon Services, Inc.
 CONTACT: Heath Garner
 INQUIRY #: 4516129.2s
 DATE: January 19, 2016 9:47 am

DETAIL MAP - 4516129.2S



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚡ Manufactured Gas Plants
- ⚠ Sensitive Receptors
- 🚒 National Priority List Sites
- 🏠 Dept. Defense Sites



-  Indian Reservations BIA
-  100-year flood zone
-  500-year flood zone



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

SITE NAME: Astro Site
 ADDRESS: 3500 State Hwy 140
 Osceola AR 72370
 LAT/LONG: 35.7091 / 90.0351

CLIENT: Enercon Services, Inc.
 CONTACT: Heath Garner
 INQUIRY #: 4516129.2s
 DATE: January 19, 2016 9:48 am

MAP FINDINGS SUMMARY

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

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
<i>State and tribal institutional control / engineering control registries</i>								
ENG CONTROLS	0.500		0	0	0	NR	NR	0
INST CONTROL	0.500		0	0	0	NR	NR	0
<i>State and tribal voluntary cleanup sites</i>								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
<i>State and tribal Brownfields sites</i>								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
<u>ADDITIONAL ENVIRONMENTAL RECORDS</u>								
<i>Local Brownfield lists</i>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<i>Local Lists of Landfill / Solid Waste Disposal Sites</i>								
SWRCY	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
<i>Local Lists of Hazardous waste / Contaminated Sites</i>								
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
<i>Local Land Records</i>								
LIENS 2	TP		NR	NR	NR	NR	NR	0
<i>Records of Emergency Release Reports</i>								
HMIRS	TP		NR	NR	NR	NR	NR	0
SPILLS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
SPILLS 80	TP		NR	NR	NR	NR	NR	0
<i>Other Ascertainable Records</i>								
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

<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>
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NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NO SITES FOUND

Count: 0 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
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NO SITES FOUND

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: 10/30/2015	Source: EPA
Date Data Arrived at EDR: 11/07/2015	Telephone: N/A
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 01/08/2016
Number of Days to Update: 58	Next Scheduled EDR Contact: 04/18/2016
	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: 10/30/2015	Source: EPA
Date Data Arrived at EDR: 11/07/2015	Telephone: N/A
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 01/08/2016
Number of Days to Update: 58	Next Scheduled EDR Contact: 04/18/2016
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

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

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

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

Date of Government Version: 10/30/2015	Source: EPA
Date Data Arrived at EDR: 11/07/2015	Telephone: N/A
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 01/08/2016
Number of Days to Update: 58	Next Scheduled EDR Contact: 04/18/2016
	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: 03/26/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/08/2015	Telephone: 703-603-8704
Date Made Active in Reports: 06/11/2015	Last EDR Contact: 01/06/2016
Number of Days to Update: 64	Next Scheduled EDR Contact: 04/18/2016
	Data Release Frequency: Varies

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS 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). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: 703-412-9810
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 11/23/2015
Number of Days to Update: 94	Next Scheduled EDR Contact: 03/07/2016
	Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS 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 this 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. This 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 a potential NPL site.

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: 703-412-9810
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 11/23/2015
Number of Days to Update: 94	Next Scheduled EDR Contact: 03/07/2016
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/09/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 82

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/18/2015
Next Scheduled EDR Contact: 04/11/2016
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: 06/09/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 214-665-6444
Last EDR Contact: 12/18/2015
Next Scheduled EDR Contact: 04/11/2016
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: 06/09/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 214-665-6444
Last EDR Contact: 12/18/2015
Next Scheduled EDR Contact: 04/11/2016
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 06/09/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 214-665-6444
Last EDR Contact: 12/18/2015
Next Scheduled EDR Contact: 04/11/2016
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

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

Date of Government Version: 06/09/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 214-665-6444
Last EDR Contact: 12/18/2015
Next Scheduled EDR Contact: 04/11/2016
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

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

Date of Government Version: 05/28/2015	Source: Department of the Navy
Date Data Arrived at EDR: 05/29/2015	Telephone: 843-820-7326
Date Made Active in Reports: 06/11/2015	Last EDR Contact: 11/13/2015
Number of Days to Update: 13	Next Scheduled EDR Contact: 02/29/2016
	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: 09/10/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/11/2015	Telephone: 703-603-0695
Date Made Active in Reports: 11/03/2015	Last EDR Contact: 11/24/2015
Number of Days to Update: 53	Next Scheduled EDR Contact: 03/14/2016
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

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

Date of Government Version: 09/10/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/11/2015	Telephone: 703-603-0695
Date Made Active in Reports: 11/03/2015	Last EDR Contact: 11/24/2015
Number of Days to Update: 53	Next Scheduled EDR Contact: 03/14/2016
	Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

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

Date of Government Version: 06/22/2015	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 06/26/2015	Telephone: 202-267-2180
Date Made Active in Reports: 09/16/2015	Last EDR Contact: 12/29/2015
Number of Days to Update: 82	Next Scheduled EDR Contact: 04/11/2016
	Data Release Frequency: Annually

State- and tribal - equivalent NPL

SHWS: Hazardous Substance Remedial Action Trust Fund Priority List

A partial prioritized listing of sites at which remedial actions and/or investigations shall be provided by the Hazardous Substance Remedial Action Trust Fund.

Date of Government Version: 09/14/2015	Source: Department of Environmental Quality
Date Data Arrived at EDR: 09/15/2015	Telephone: 501-682-0850
Date Made Active in Reports: 11/02/2015	Last EDR Contact: 12/14/2015
Number of Days to Update: 48	Next Scheduled EDR Contact: 03/28/2016
	Data Release Frequency: Annually

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SWF/LF: Solid Waste Facility Permit Database

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: 11/09/2015
Date Data Arrived at EDR: 11/10/2015
Date Made Active in Reports: 12/07/2015
Number of Days to Update: 27

Source: Department of Environmental Quality
Telephone: 501-682-0597
Last EDR Contact: 11/10/2015
Next Scheduled EDR Contact: 02/22/2016
Data Release Frequency: Quarterly

SWID: Solid Waste Illegal Dumps Database

A listing of illegal solid waste dumps.

Date of Government Version: 11/08/2015
Date Data Arrived at EDR: 11/10/2015
Date Made Active in Reports: 12/07/2015
Number of Days to Update: 27

Source: Department of Environmental Quality
Telephone: 501-682-0600
Last EDR Contact: 11/10/2015
Next Scheduled EDR Contact: 02/22/2016
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LTANKS: Leaking Underground Storage Tank Data

A listing of leaking underground and aboveground storage tank locations.

Date of Government Version: 09/21/2015
Date Data Arrived at EDR: 09/23/2015
Date Made Active in Reports: 11/02/2015
Number of Days to Update: 40

Source: Department of Environmental Quality
Telephone: 501-682-0984
Last EDR Contact: 12/21/2015
Next Scheduled EDR Contact: 04/04/2016
Data Release Frequency: Quarterly

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 11/04/2015
Date Data Arrived at EDR: 11/13/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 52

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 10/26/2015
Next Scheduled EDR Contact: 02/08/2016
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: 07/21/2015
Date Data Arrived at EDR: 07/29/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 76

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/07/2016
Next Scheduled EDR Contact: 02/08/2016
Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 01/08/2015
Date Data Arrived at EDR: 01/08/2015
Date Made Active in Reports: 02/09/2015
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 10/30/2015
Next Scheduled EDR Contact: 02/08/2016
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/30/2015	Source: EPA Region 8
Date Data Arrived at EDR: 05/05/2015	Telephone: 303-312-6271
Date Made Active in Reports: 06/22/2015	Last EDR Contact: 10/08/2015
Number of Days to Update: 48	Next Scheduled EDR Contact: 02/08/2016
	Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 03/30/2015	Source: EPA Region 7
Date Data Arrived at EDR: 04/28/2015	Telephone: 913-551-7003
Date Made Active in Reports: 06/22/2015	Last EDR Contact: 10/08/2015
Number of Days to Update: 55	Next Scheduled EDR Contact: 02/08/2016
	Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 05/13/2015	Source: EPA Region 6
Date Data Arrived at EDR: 08/03/2015	Telephone: 214-665-6597
Date Made Active in Reports: 10/13/2015	Last EDR Contact: 10/26/2015
Number of Days to Update: 71	Next Scheduled EDR Contact: 02/08/2016
	Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 11/24/2015	Source: EPA Region 4
Date Data Arrived at EDR: 12/01/2015	Telephone: 404-562-8677
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 10/26/2015
Number of Days to Update: 34	Next Scheduled EDR Contact: 02/08/2016
	Data Release Frequency: Semi-Annually

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/27/2015	Source: EPA Region 1
Date Data Arrived at EDR: 10/29/2015	Telephone: 617-918-1313
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 10/27/2015
Number of Days to Update: 67	Next Scheduled EDR Contact: 02/08/2016
	Data Release Frequency: Varies

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010	Source: FEMA
Date Data Arrived at EDR: 02/16/2010	Telephone: 202-646-5797
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 01/08/2016
Number of Days to Update: 55	Next Scheduled EDR Contact: 04/25/2016
	Data Release Frequency: Varies

UST: Underground Storage Tank Data

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/21/2015
Date Data Arrived at EDR: 09/23/2015
Date Made Active in Reports: 11/02/2015
Number of Days to Update: 40

Source: Department of Environmental Quality
Telephone: 501-682-0984
Last EDR Contact: 12/21/2015
Next Scheduled EDR Contact: 04/04/2016
Data Release Frequency: Quarterly

AST: Aboveground Tank Database
Aboveground storage tank locations.

Date of Government Version: 09/21/2015
Date Data Arrived at EDR: 09/23/2015
Date Made Active in Reports: 11/02/2015
Number of Days to Update: 40

Source: Department of Environmental Quality
Telephone: 501-682-0984
Last EDR Contact: 12/21/2015
Next Scheduled EDR Contact: 04/04/2016
Data Release Frequency: Quarterly

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: 11/05/2015
Date Data Arrived at EDR: 11/13/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 52

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 10/26/2015
Next Scheduled EDR Contact: 02/08/2016
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: 05/13/2015
Date Data Arrived at EDR: 08/03/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 71

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 10/26/2015
Next Scheduled EDR Contact: 02/08/2016
Data Release Frequency: Semi-Annually

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: 09/23/2014
Date Data Arrived at EDR: 11/25/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 65

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 10/26/2015
Next Scheduled EDR Contact: 02/08/2016
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: 12/14/2014
Date Data Arrived at EDR: 02/13/2015
Date Made Active in Reports: 03/13/2015
Number of Days to Update: 28

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 10/30/2015
Next Scheduled EDR Contact: 02/09/2016
Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/21/2015	Source: EPA Region 10
Date Data Arrived at EDR: 07/29/2015	Telephone: 206-553-2857
Date Made Active in Reports: 10/13/2015	Last EDR Contact: 01/07/2016
Number of Days to Update: 76	Next Scheduled EDR Contact: 02/08/2016
	Data Release Frequency: Quarterly

INDIAN UST R4: Underground Storage Tanks on Indian Land

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

Date of Government Version: 11/24/2015	Source: EPA Region 4
Date Data Arrived at EDR: 12/01/2015	Telephone: 404-562-9424
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 10/26/2015
Number of Days to Update: 34	Next Scheduled EDR Contact: 02/08/2016
	Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/20/2015	Source: EPA, Region 1
Date Data Arrived at EDR: 10/29/2015	Telephone: 617-918-1313
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 10/27/2015
Number of Days to Update: 67	Next Scheduled EDR Contact: 02/08/2016
	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: 07/28/2015	Source: EPA Region 8
Date Data Arrived at EDR: 08/14/2015	Telephone: 303-312-6137
Date Made Active in Reports: 10/13/2015	Last EDR Contact: 07/22/2015
Number of Days to Update: 60	Next Scheduled EDR Contact: 02/08/2016
	Data Release Frequency: Quarterly

State and tribal institutional control / engineering control registries

ENG CONTROLS: Engineering Controls Sites Listing

A listing of sites with engineering controls in place.

Date of Government Version: 11/15/2015	Source: Department of Environmental Quality
Date Data Arrived at EDR: 11/18/2015	Telephone: 501-682-0867
Date Made Active in Reports: 12/07/2015	Last EDR Contact: 11/18/2015
Number of Days to Update: 19	Next Scheduled EDR Contact: 02/29/2016
	Data Release Frequency: Varies

INST CONTROL: Institutional Control/Land Use Restriction Sites

Sites that have institutional controls and/or land use restrictions in place.

Date of Government Version: 11/15/2015	Source: Department of Environmental Quality
Date Data Arrived at EDR: 11/18/2015	Telephone: 501-682-0867
Date Made Active in Reports: 12/07/2015	Last EDR Contact: 11/18/2015
Number of Days to Update: 19	Next Scheduled EDR Contact: 02/29/2016
	Data Release Frequency: Varies

State and tribal voluntary cleanup sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 09/29/2014	Source: EPA, Region 1
Date Data Arrived at EDR: 10/01/2014	Telephone: 617-918-1102
Date Made Active in Reports: 11/06/2014	Last EDR Contact: 12/28/2015
Number of Days to Update: 36	Next Scheduled EDR Contact: 04/11/2016
	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

A listing of Voluntary Cleanup Program projects.

Date of Government Version: 11/16/2015	Source: Department of Environmental Quality
Date Data Arrived at EDR: 11/18/2015	Telephone: 501-682-0867
Date Made Active in Reports: 12/10/2015	Last EDR Contact: 11/18/2015
Number of Days to Update: 22	Next Scheduled EDR Contact: 02/29/2016
	Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Projects

Projects that the Department of Environmental Quality has received Brownfields applications for.

Date of Government Version: 11/15/2015	Source: Department of Environmental Quality
Date Data Arrived at EDR: 11/18/2015	Telephone: 501-682-0867
Date Made Active in Reports: 12/07/2015	Last EDR Contact: 11/18/2015
Number of Days to Update: 19	Next Scheduled EDR Contact: 02/29/2016
	Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

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

Date of Government Version: 09/21/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/23/2015	Telephone: 202-566-2777
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 12/21/2015
Number of Days to Update: 103	Next Scheduled EDR Contact: 04/04/2016
	Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SWRCY: Recycling Directory

A listing of recycling facilities.

Date of Government Version: 11/10/2015
Date Data Arrived at EDR: 11/10/2015
Date Made Active in Reports: 12/07/2015
Number of Days to Update: 27

Source: Department of Environmental Quality
Telephone: 501-682-0865
Last EDR Contact: 11/10/2015
Next Scheduled EDR Contact: 02/22/2016
Data Release Frequency: Semi-Annually

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

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 11/06/2015
Next Scheduled EDR Contact: 02/15/2016
Data Release Frequency: Varies

ODI: Open Dump Inventory

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

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

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

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

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

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 10/26/2015
Next Scheduled EDR Contact: 02/08/2016
Data Release Frequency: No Update Planned

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

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: 08/12/2015
Date Data Arrived at EDR: 09/04/2015
Date Made Active in Reports: 11/03/2015
Number of Days to Update: 60

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/31/2015
Next Scheduled EDR Contact: 12/14/2015
Data Release Frequency: No Update Planned

CDL: Methamphetamine Contaminated Properties Listing

A listing of properties believed to be contaminated by the illegal manufacture of drugs.

Date of Government Version: 08/21/2015
Date Data Arrived at EDR: 11/07/2015
Date Made Active in Reports: 12/07/2015
Number of Days to Update: 30

Source: Department of Environmental Quality
Telephone: 501-683-1552
Last EDR Contact: 11/07/2015
Next Scheduled EDR Contact: 02/15/2016
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 08/12/2015	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 09/04/2015	Telephone: 202-307-1000
Date Made Active in Reports: 11/03/2015	Last EDR Contact: 11/25/2015
Number of Days to Update: 60	Next Scheduled EDR Contact: 03/14/2016
	Data Release Frequency: Quarterly

Local Land Records

LIENS 2: CERCLA Lien Information

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

Date of Government Version: 02/18/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/18/2014	Telephone: 202-564-6023
Date Made Active in Reports: 04/24/2014	Last EDR Contact: 10/30/2015
Number of Days to Update: 37	Next Scheduled EDR Contact: 02/08/2016
	Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

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

Date of Government Version: 06/24/2015	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 06/26/2015	Telephone: 202-366-4555
Date Made Active in Reports: 09/02/2015	Last EDR Contact: 12/30/2015
Number of Days to Update: 68	Next Scheduled EDR Contact: 04/11/2016
	Data Release Frequency: Annually

SPILLS: Emergency Response Incidents

Spills and releases notified to the Department of Environmental Quality

Date of Government Version: 10/12/2015	Source: Department of Environmental Quality
Date Data Arrived at EDR: 10/14/2015	Telephone: 501-682-0716
Date Made Active in Reports: 12/07/2015	Last EDR Contact: 01/13/2016
Number of Days to Update: 54	Next Scheduled EDR Contact: 04/25/2016
	Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

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

Date of Government Version: 05/08/2011	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 03/06/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 62	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/06/2013
Number of Days to Update: 62

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

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

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

Date of Government Version: 06/09/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 214-665-6444
Last EDR Contact: 12/18/2015
Next Scheduled EDR Contact: 04/11/2016
Data Release Frequency: Varies

FUDS: Formerly Used Defense Sites

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

Date of Government Version: 01/31/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 12/11/2015
Next Scheduled EDR Contact: 03/21/2016
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: 01/15/2016
Next Scheduled EDR Contact: 04/25/2016
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

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

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 01/15/2016
Next Scheduled EDR Contact: 04/25/2016
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/07/2011 Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/09/2011 Telephone: 615-532-8599
Date Made Active in Reports: 05/02/2011 Last EDR Contact: 11/19/2015
Number of Days to Update: 54 Next Scheduled EDR Contact: 02/29/2016
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: 09/01/2015 Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/03/2015 Telephone: 202-566-1917
Date Made Active in Reports: 11/03/2015 Last EDR Contact: 11/13/2015
Number of Days to Update: 61 Next Scheduled EDR Contact: 02/29/2016
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: 11/10/2015
Number of Days to Update: 88 Next Scheduled EDR Contact: 02/22/2016
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

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

Date of Government Version: 04/22/2013 Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/03/2015 Telephone: 703-308-4044
Date Made Active in Reports: 03/09/2015 Last EDR Contact: 11/13/2015
Number of Days to Update: 6 Next Scheduled EDR Contact: 02/22/2016
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2012 Source: EPA
Date Data Arrived at EDR: 01/15/2015 Telephone: 202-260-5521
Date Made Active in Reports: 01/29/2015 Last EDR Contact: 12/23/2015
Number of Days to Update: 14 Next Scheduled EDR Contact: 04/04/2016
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 02/12/2015
Date Made Active in Reports: 06/02/2015
Number of Days to Update: 110

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 11/24/2015
Next Scheduled EDR Contact: 03/07/2016
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

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

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

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 10/26/2015
Next Scheduled EDR Contact: 02/08/2016
Data Release Frequency: Annually

ROD: Records Of Decision

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

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

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 12/11/2015
Next Scheduled EDR Contact: 03/21/2016
Data Release Frequency: Annually

RMP: Risk Management Plans

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

Date of Government Version: 08/01/2015
Date Data Arrived at EDR: 08/26/2015
Date Made Active in Reports: 11/03/2015
Number of Days to Update: 69

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 10/26/2015
Next Scheduled EDR Contact: 02/08/2016
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

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

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 10/17/2014	Telephone: 202-564-6023
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 11/13/2015
Number of Days to Update: 3	Next Scheduled EDR Contact: 02/22/2016
	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: 07/01/2014	Source: EPA
Date Data Arrived at EDR: 10/15/2014	Telephone: 202-566-0500
Date Made Active in Reports: 11/17/2014	Last EDR Contact: 01/12/2016
Number of Days to Update: 33	Next Scheduled EDR Contact: 04/25/2016
	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: 01/23/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/06/2015	Telephone: 202-564-5088
Date Made Active in Reports: 03/09/2015	Last EDR Contact: 01/08/2016
Number of Days to Update: 31	Next Scheduled EDR Contact: 04/25/2016
	Data Release Frequency: Quarterly

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

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

Date of Government Version: 04/09/2009	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: 11/18/2015
Number of Days to Update: 25	Next Scheduled EDR Contact: 03/07/2016
	Data Release Frequency: Quarterly

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

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

Date of Government Version: 04/09/2009	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: 11/18/2015
Number of Days to Update: 25	Next Scheduled EDR Contact: 03/07/2016
	Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System

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

Date of Government Version: 06/26/2015	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 07/10/2015	Telephone: 301-415-7169
Date Made Active in Reports: 10/13/2015	Last EDR Contact: 12/07/2015
Number of Days to Update: 95	Next Scheduled EDR Contact: 03/21/2016
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH DOE: Steam-Electric Plant Operation Data

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

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 01/13/2016
Number of Days to Update: 76	Next Scheduled EDR Contact: 04/25/2016
	Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

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

Date of Government Version: 07/01/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2014	Telephone: N/A
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 12/11/2015
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/21/2016
	Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

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

Date of Government Version: 02/01/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/19/2011	Telephone: 202-566-0517
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 10/29/2015
Number of Days to Update: 83	Next Scheduled EDR Contact: 02/08/2016
	Data Release Frequency: Varies

RADINFO: Radiation Information Database

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

Date of Government Version: 07/07/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/09/2015	Telephone: 202-343-9775
Date Made Active in Reports: 09/16/2015	Last EDR Contact: 01/07/2016
Number of Days to Update: 69	Next Scheduled EDR Contact: 04/18/2016
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

DOT OPS: Incident and Accident Data

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

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

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 11/07/2015
Next Scheduled EDR Contact: 02/15/2016
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

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

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 04/17/2015
Date Made Active in Reports: 06/02/2015
Number of Days to Update: 46

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 12/23/2015
Next Scheduled EDR Contact: 04/11/2016
Data Release Frequency: Varies

BRS: Biennial Reporting System

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

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

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 11/24/2015
Next Scheduled EDR Contact: 03/07/2016
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

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

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/15/2016
Next Scheduled EDR Contact: 04/25/2016
Data Release Frequency: Semi-Annually

UMTRA: Uranium Mill Tailings Sites

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

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 11/19/2015
Next Scheduled EDR Contact: 03/07/2016
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/25/2014
Date Data Arrived at EDR: 11/26/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 01/08/2016
Next Scheduled EDR Contact: 04/18/2016
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

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

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

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

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

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

Date of Government Version: 10/20/2015
Date Data Arrived at EDR: 10/27/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 69

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 12/22/2015
Next Scheduled EDR Contact: 04/11/2016
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/20/2015
Date Data Arrived at EDR: 10/27/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 69

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 12/22/2015
Next Scheduled EDR Contact: 04/11/2016
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: 08/18/2015
Date Data Arrived at EDR: 09/01/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 125

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 12/03/2015
Next Scheduled EDR Contact: 03/14/2016
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

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

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

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 12/04/2015
Next Scheduled EDR Contact: 03/14/2016
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: USGS
Date Data Arrived at EDR: 06/08/2011	Telephone: 703-648-7709
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 12/04/2015
Number of Days to Update: 97	Next Scheduled EDR Contact: 03/14/2016
	Data Release Frequency: Varies

FINDS: Facility Index System/Facility Registry System

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

Date of Government Version: 07/20/2015	Source: EPA
Date Data Arrived at EDR: 09/09/2015	Telephone: (214) 665-2200
Date Made Active in Reports: 11/03/2015	Last EDR Contact: 12/10/2015
Number of Days to Update: 55	Next Scheduled EDR Contact: 03/21/2016
	Data Release Frequency: Quarterly

AIRS: Permitted Facility Emission & Stack Data

Permitted facility emissions and stack data for the state.

Date of Government Version: 09/27/2015	Source: Department of Environmental Quality
Date Data Arrived at EDR: 09/29/2015	Telephone: 501-682-0726
Date Made Active in Reports: 11/02/2015	Last EDR Contact: 12/29/2015
Number of Days to Update: 34	Next Scheduled EDR Contact: 04/11/2016
	Data Release Frequency: Quarterly

ASBESTOS: Asbestos Notification of Intent Database

The database contains all properties/facilities that have submitted a Notice of Intent for renovation or demolition activities.

Date of Government Version: 10/25/2015	Source: Department of Environmental Quality
Date Data Arrived at EDR: 10/27/2015	Telephone: 501-682-0717
Date Made Active in Reports: 12/07/2015	Last EDR Contact: 10/27/2015
Number of Days to Update: 41	Next Scheduled EDR Contact: 02/08/2016
	Data Release Frequency: Quarterly

COAL ASH: Coal Ash Disposal Site Listing

A listing of coal ash disposal site locations.

Date of Government Version: 08/07/2015	Source: Department of Environmental Quality
Date Data Arrived at EDR: 08/10/2015	Telephone: 501-682-0600
Date Made Active in Reports: 09/01/2015	Last EDR Contact: 11/09/2015
Number of Days to Update: 22	Next Scheduled EDR Contact: 02/22/2016
	Data Release Frequency: Varies

ENFORCEMENT: Consent Administrative Order, Notice of Violation Information Database

Violations issued to facilities in various Department of Environmental Quality programs, including Air, Hazardous Waste, Storage Tanks, Solid Waste and Water.

Date of Government Version: 09/21/2015	Source: Department of Environmental Quality
Date Data Arrived at EDR: 09/22/2015	Telephone: 501-682-0892
Date Made Active in Reports: 11/02/2015	Last EDR Contact: 12/21/2015
Number of Days to Update: 41	Next Scheduled EDR Contact: 04/04/2016
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Financial Assurance 1: Financial Assurance Information Listing

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: 09/21/2015	Source: Department of Environmental Quality
Date Data Arrived at EDR: 09/24/2015	Telephone: 501-682-0876
Date Made Active in Reports: 12/01/2015	Last EDR Contact: 12/17/2015
Number of Days to Update: 68	Next Scheduled EDR Contact: 04/04/2016
	Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

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: 03/31/2014	Source: Department of Environmental Quality
Date Data Arrived at EDR: 04/18/2014	Telephone: 501-682-0589
Date Made Active in Reports: 05/13/2014	Last EDR Contact: 01/11/2016
Number of Days to Update: 25	Next Scheduled EDR Contact: 04/25/2016
	Data Release Frequency: Quarterly

Financial Assurance 3: Financial Assurance Information Listing

A listing of financial assurance information for underground storage tank facilities.

Date of Government Version: 09/21/2015	Source: Department of Environmental Quality
Date Data Arrived at EDR: 09/23/2015	Telephone: 501-682-0979
Date Made Active in Reports: 11/02/2015	Last EDR Contact: 12/21/2015
Number of Days to Update: 40	Next Scheduled EDR Contact: 04/04/2016
	Data Release Frequency: Quarterly

PERMITS: Permit Data System

A list of sites permitted by the Department of Environmental Quality, including Air, Mining, Solid Waste and Water.

Date of Government Version: 09/14/2015	Source: Department of Environmental Quality
Date Data Arrived at EDR: 09/15/2015	Telephone: 501-682-0673
Date Made Active in Reports: 11/02/2015	Last EDR Contact: 12/14/2015
Number of Days to Update: 48	Next Scheduled EDR Contact: 03/28/2016
	Data Release Frequency: Quarterly

SLUDGE: Poultry Sludge Permit Sites

Broiler fryer roast chickens, chicken eggs, poultry hatcheries, poultry and egg processing sites.

Date of Government Version: 09/14/2015	Source: Department of Environmental Quality
Date Data Arrived at EDR: 09/15/2015	Telephone: 501-682-0673
Date Made Active in Reports: 11/02/2015	Last EDR Contact: 12/14/2015
Number of Days to Update: 48	Next Scheduled EDR Contact: 03/28/2016
	Data Release Frequency: Quarterly

TIER 2: Tier 2 Information Listing

A listing of facilities which store or manufacture hazardous materials and submit a chemical inventory report.

Date of Government Version: 12/31/2013	Source: Department of Environmental Management
Date Data Arrived at EDR: 09/24/2014	Telephone: 501-683-6700
Date Made Active in Reports: 10/29/2014	Last EDR Contact: 11/13/2015
Number of Days to Update: 35	Next Scheduled EDR Contact: 02/29/2016
	Data Release Frequency: Varies

UIC: Underground Injection Wells Database Listing

A listing of wells identified as Underground Injection Wells, in the Arkansas Oil and Gas Wells data base.

Date of Government Version: 10/12/2015	Source: Arkansas Oil & Gas Commission
Date Data Arrived at EDR: 10/20/2015	Telephone: 870-862-4965
Date Made Active in Reports: 12/07/2015	Last EDR Contact: 10/20/2015
Number of Days to Update: 48	Next Scheduled EDR Contact: 02/01/2016
	Data Release Frequency: Varies

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 Historic Gas Stations

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

Date of Government Version: N/A
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 Historic Dry Cleaners

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

Date of Government Version: N/A
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. Compiled from Records formerly available from the Department of Environmental Quality in Arkansas.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/02/2014
Number of Days to Update: 185

Source: Department of Environmental Quality
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

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

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/16/2014
Number of Days to Update: 199

Source: Department of Environmental Quality
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Quality in Arkansas.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/04/2014
Number of Days to Update: 187

Source: Department of Environmental Quality
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

OTHER DATABASE(S)

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

CT MANIFEST: Hazardous Waste Manifest Data

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

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

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/16/2015
Next Scheduled EDR Contact: 02/29/2016
Data Release Frequency: No Update Planned

NY MANIFEST: Facility and Manifest Data

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

Date of Government Version: 11/02/2015
Date Data Arrived at EDR: 11/08/2015
Date Made Active in Reports: 12/09/2015
Number of Days to Update: 31

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 11/08/2015
Next Scheduled EDR Contact: 02/15/2016
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/24/2015
Date Made Active in Reports: 08/18/2015
Number of Days to Update: 25

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 10/19/2015
Next Scheduled EDR Contact: 02/01/2016
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

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

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 11/19/2015
Next Scheduled EDR Contact: 03/07/2016
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 03/19/2015
Date Made Active in Reports: 04/07/2015
Number of Days to Update: 19

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 12/09/2015
Next Scheduled EDR Contact: 03/28/2016
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: PennWell Corporation

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

Electric Power Transmission Line Data

Source: PennWell Corporation

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

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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.

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

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

State Wetlands Data: Wetland Inventory

Source: US Fish & Wildlife Service

Telephone: 703-358-2171

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

ASTRO SITE
3500 STATE HWY 140
OSCEOLA, AR 72370

TARGET PROPERTY COORDINATES

Latitude (North):	35.7091 - 35° 42' 32.76"
Longitude (West):	90.0351 - 90° 2' 6.36"
Universal Tranverse Mercator:	Zone 15
UTM X (Meters):	768242.1
UTM Y (Meters):	3955537.5
Elevation:	230 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	6063059 KEISER, AR
Version Date:	2014

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

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

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

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

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

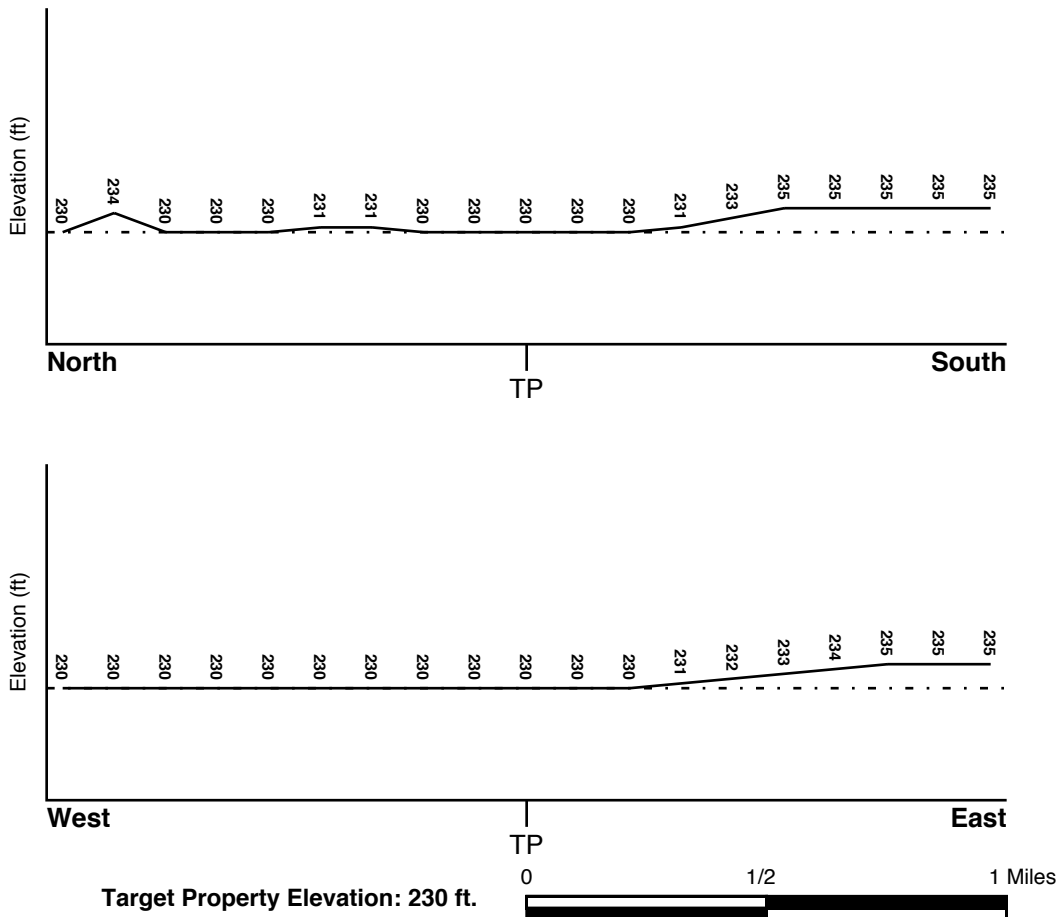
TOPOGRAPHIC INFORMATION

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

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General West

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

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

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

FEMA FLOOD ZONE

<u>Target Property County</u> MISSISSIPPI, AR	<u>FEMA Flood Electronic Data</u> YES - refer to the Overview Map and Detail Map
Flood Plain Panel at Target Property:	05093C - FEMA DFIRM Flood data
Additional Panels in search area:	Not Reported

NATIONAL WETLAND INVENTORY

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

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

AQUIFLOW®

Search Radius: 1.000 Mile.

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

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

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

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

ROCK STRATIGRAPHIC UNIT

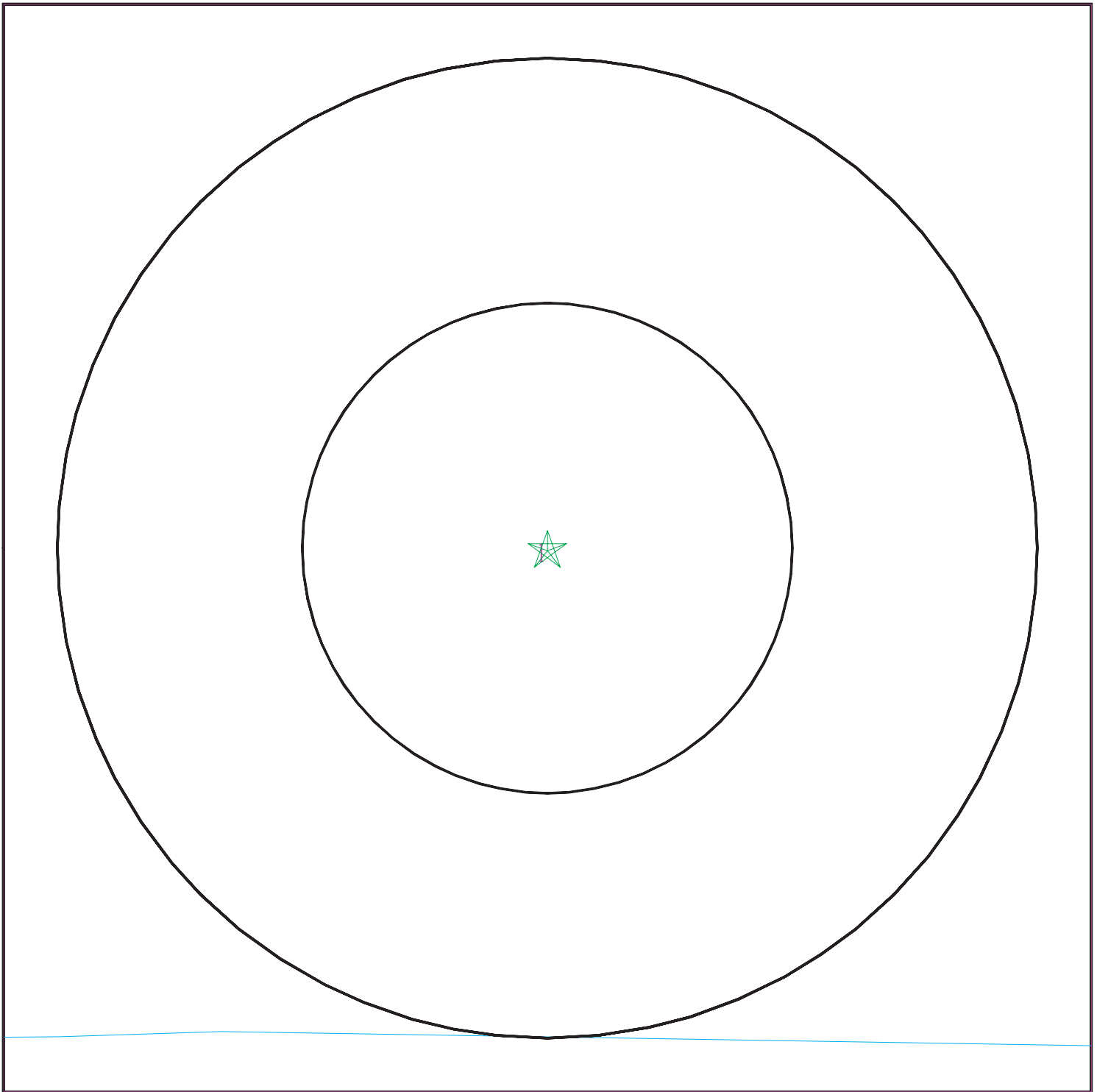
Era:	Cenozoic
System:	Quaternary
Series:	Holocene
Code:	Qh <i>(decoded above as Era, System & Series)</i>

GEOLOGIC AGE IDENTIFICATION

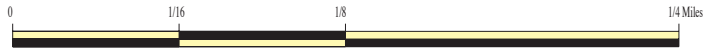
Category: Stratified Sequence

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

SSURGO SOIL MAP - 4516129.2s



- ★ Target Property
- ∩ SSURGO Soil
- ∩ Water



SITE NAME: Astro Site
ADDRESS: 3500 State Hwy 140
Osceola AR 72370
LAT/LONG: 35.7091 / 90.0351

CLIENT: Enercon Services, Inc.
CONTACT: Heath Garner
INQUIRY #: 4516129.2s
DATE: January 19, 2016 9:48 am

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

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

Soil Map ID: 1

Soil Component Name: Sharkey

Soil Surface Texture: silty clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 31 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	silty clay	Not reported	Not reported	Max: 0.42 Min: 0.01	Max: 8.4 Min: 5.1
2	5 inches	33 inches	clay	Not reported	Not reported	Max: 0.42 Min: 0.01	Max: 8.4 Min: 5.6
3	33 inches	72 inches	clay	Not reported	Not reported	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6

LOCAL / REGIONAL WATER AGENCY RECORDS

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

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

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	USGS40000102117	1/4 - 1/2 Mile East
A2	USGS40000102066	1/4 - 1/2 Mile SE
A3	USGS40000102065	1/4 - 1/2 Mile SE
B7	USGS40000101957	1/2 - 1 Mile SSE
B8	USGS40000101958	1/2 - 1 Mile SSE
10	USGS40000101993	1/2 - 1 Mile SE
11	USGS40000102337	1/2 - 1 Mile NNW
12	USGS40000123466	1/2 - 1 Mile ESE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

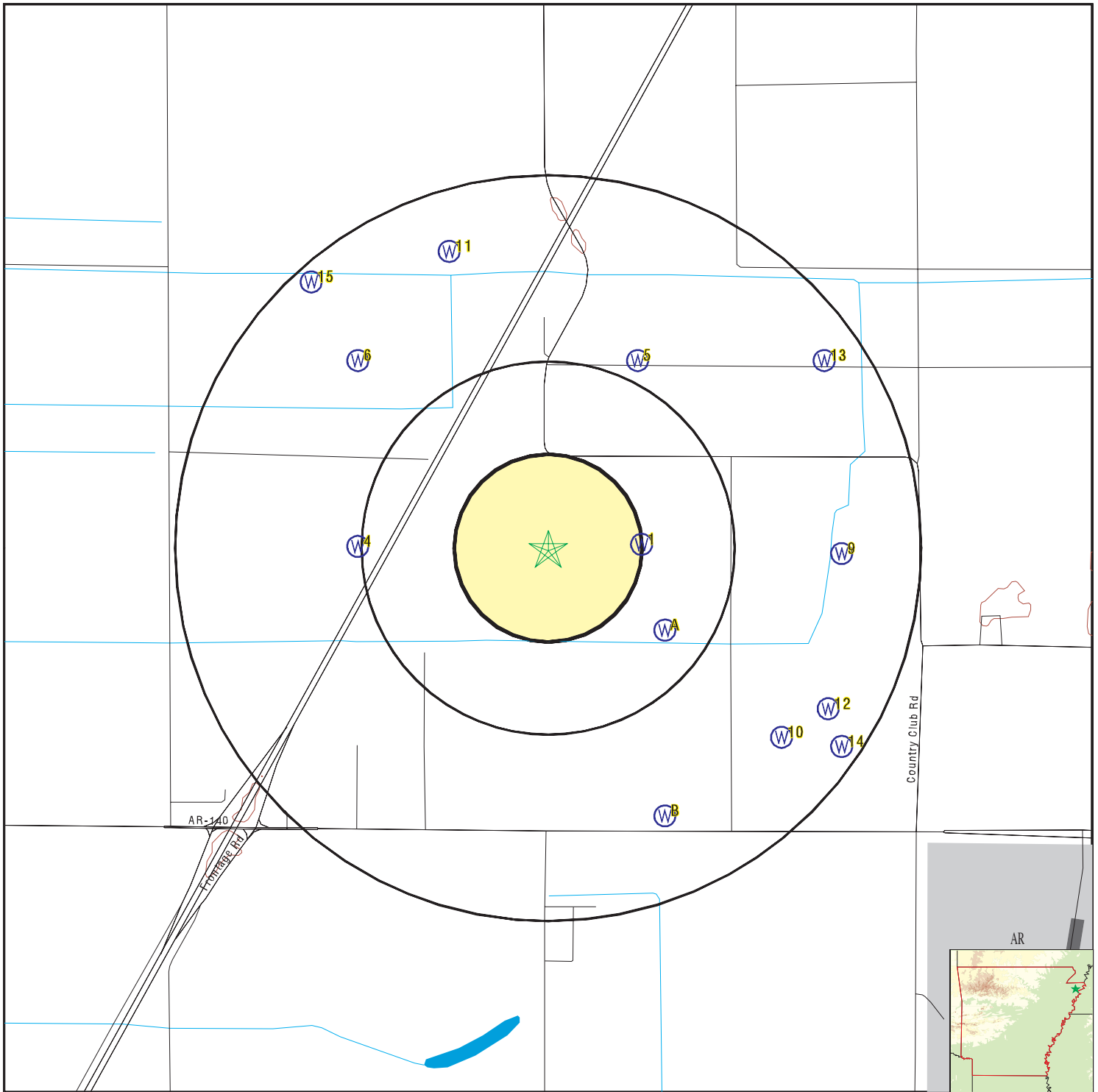
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

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

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
4	AR1000000048488	1/2 - 1 Mile West
5	AR100000000446	1/2 - 1 Mile NNE
6	AR100000000479	1/2 - 1 Mile NW
9	AR100000000411	1/2 - 1 Mile East
13	AR100000000415	1/2 - 1 Mile NE
14	AR100000000410	1/2 - 1 Mile SE
15	AR100000000486	1/2 - 1 Mile NW

PHYSICAL SETTING SOURCE MAP - 4516129.2s



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

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells



SITE NAME: Astro Site
 ADDRESS: 3500 State Hwy 140
 Osceola AR 72370
 LAT/LONG: 35.7091 / 90.0351

CLIENT: Enercon Services, Inc.
 CONTACT: Heath Garner
 INQUIRY #: 4516129.2s
 DATE: January 19, 2016 9:48 am

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

1
East
1/4 - 1/2 Mile
Higher

FED USGS USGS40000102117

Org. Identifier:	USGS-AR			
Formal name:	USGS Arkansas Water Science Center			
Monloc Identifier:	AR008-354233090015001			
Monloc name:	13N10E33BA1			
Monloc type:	Well			
Monloc desc:	12911			
Huc code:	08020203	Drainagearea value:	Not Reported	
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported	
Contrib drainagearea units:	Not Reported	Latitude:	35.7092442	
Longitude:	-90.0306452	Sourcemap scale:	24000	
Horiz Acc measure:	1	Horiz Acc measure units:	seconds	
Horiz Collection method:	Interpolated from map			
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported	
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported	
Vert accmeasure units:	Not Reported			
Vertcollection method:	Not Reported			
Vert coord refsys:	Not Reported	Countrycode:	US	
Aquifername:	Mississippi River Valley alluvial aquifer			
Formation type:	Quaternary Alluvium			
Aquifer type:	Not Reported			
Construction date:	Not Reported		Welldepth:	120
Welldepth units:	ft	Wellholedepth:	Not Reported	
Wellholedepth units:	Not Reported			

Ground-water levels, Number of Measurements: 0

A2
SE
1/4 - 1/2 Mile
Higher

FED USGS USGS40000102066

Org. Identifier:	USGS-AR			
Formal name:	USGS Arkansas Water Science Center			
Monloc Identifier:	AR008-354221090014602			
Monloc name:	13N10E33BD2			
Monloc type:	Well			
Monloc desc:	55868			
Huc code:	08020203	Drainagearea value:	Not Reported	
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported	
Contrib drainagearea units:	Not Reported	Latitude:	35.705911	
Longitude:	-90.029534	Sourcemap scale:	24000	
Horiz Acc measure:	1	Horiz Acc measure units:	seconds	
Horiz Collection method:	Interpolated from map			
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported	
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported	
Vert accmeasure units:	Not Reported			
Vertcollection method:	Not Reported			
Vert coord refsys:	Not Reported	Countrycode:	US	
Aquifername:	Mississippi River Valley alluvial aquifer			
Formation type:	Quaternary Alluvium			

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	120
Construction date:	Not Reported	Wellholedepth:	Not Reported
Welldepth units:	ft		
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

**A3
SE
1/4 - 1/2 Mile
Higher**

FED USGS USGS40000102065

Org. Identifier:	USGS-AR		
Formal name:	USGS Arkansas Water Science Center		
Monloc Identifier:	AR008-354221090014601		
Monloc name:	13N10E33BD1		
Monloc type:	Well		
Monloc desc:	49682		
Huc code:	08020204	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	35.705911
Longitude:	-90.029534	Sourcemap scale:	24000
Horiz Acc measure:	10	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	115
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

**4
West
1/2 - 1 Mile
Higher**

AR WELLS AR1000000048488

Well id :	90023935423301	Original w:	900239354233
City and z:	NOT GIVEN	County nam:	MISSISSIPPI
Latitude:	35-42-33	Longitude:	90-02-39
Well statu:	New Well	Depth:	110
Date well :	20080801	Use code:	IR
Owner name:	JIN ROLINS	Driller na:	BILLY JUMPER
Remarks :	Not Reported	Site id:	AR1000000048488

**5
NNE
1/2 - 1 Mile
Higher**

AR WELLS AR1000000000446

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well id :	90015135425901	Original w:	900151354259
City and z:	EARLE, AR 72331	County nam:	MISSISSIPPI
Latitude:	35-42-59	Longitude:	90-01-51
Well statu:	New Well	Depth:	104
Date well :	20040323	Use code:	Not Reported
Owner name:	DON VALENTINE	Driller na:	ALFRED JACOBS
Remarks :	Not Reported	Site id:	AR1000000000446

**6
NW
1/2 - 1 Mile
Higher**

AR WELLS AR1000000000479

Well id :	90023935425901	Original w:	900239354259
City and z:	MEMPHIS, TN 38120	County nam:	MISSISSIPPI
Latitude:	35-42-59	Longitude:	90-02-39
Well statu:	New Well	Depth:	98
Date well :	20010911	Use code:	IR
Owner name:	JAMES ROBBINS	Driller na:	CHARLES REINHART
Remarks :	Not Reported	Site id:	AR1000000000479

**B7
SSE
1/2 - 1 Mile
Higher**

FED USGS USGS40000101957

Org. Identifier:	USGS-AR		
Formal name:	USGS Arkansas Water Science Center		
Monloc Identifier:	AR008-354155090014601		
Monloc name:	13N10E33CD1		
Monloc type:	Well		
Monloc desc:	49681		
Huc code:	08020204	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	35.6986889
Longitude:	-90.029534	Sourcemap scale:	24000
Horiz Acc measure:	10	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	115
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

**B8
SSE
1/2 - 1 Mile
Higher**

FED USGS USGS40000101958

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Org. Identifier:	USGS-AR		
Formal name:	USGS Arkansas Water Science Center		
Monloc Identifier:	AR008-354155090014602		
Monloc name:	13N10E33CD2		
Monloc type:	Well		
Monloc desc:	55867		
Huc code:	08020203	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	35.6986889
Longitude:	-90.029534	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	Mississippi River Valley alluvial aquifer		
Formation type:	Quaternary Alluvium		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	120
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

**9
East
1/2 - 1 Mile
Higher**

AR WELLS AR1000000000411

Well id :	90011635423201	Original w:	900116354232
City and z:	OSCEOLA AR 72370	County nam:	MISSISSIPPI
Latitude:	35-42-32	Longitude:	90-01-16
Well statu:	New Well	Depth:	91
Date well :	19960518	Use code:	IR
Owner name:	VINCE HOLTHOUSE G624-HA5	Driller na:	CHARLIE AGEE
Remarks :	Not Reported	Site id:	AR1000000000411

**10
SE
1/2 - 1 Mile
Higher**

FED USGS USGS40000101993

Org. Identifier:	USGS-AR		
Formal name:	USGS Arkansas Water Science Center		
Monloc Identifier:	AR008-354206090012601		
Monloc name:	13N10E33DA1		
Monloc type:	Well		
Monloc desc:	24498		
Huc code:	08020203	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	35.7017444
Longitude:	-90.0239783	Sourcemap scale:	24000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	Mississippi River Valley alluvial aquifer		
Formation type:	Quaternary Alluvium		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	100
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

11
NNW
1/2 - 1 Mile
Higher

FED USGS USGS40000102337

Org. Identifier:	USGS-AR		
Formal name:	USGS Arkansas Water Science Center		
Monloc Identifier:	AR008-354314090022301		
Monloc name:	13N10E20A 1		
Monloc type:	Well		
Monloc desc:	24501		
Huc code:	08020203	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	35.7206328
Longitude:	-90.0398122	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	Mississippi River Valley alluvial aquifer		
Formation type:	Quaternary Alluvium		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	120
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

12
ESE
1/2 - 1 Mile
Higher

FED USGS USGS40000123466

Org. Identifier:	USGS-AR		
Formal name:	USGS Arkansas Water Science Center		
Monloc Identifier:	USGS-354210090011801		
Monloc name:	13N10E33DDD1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	08020203	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	35.7028555
Longitude:	-90.021756	Sourcemap scale:	62500

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	235.00
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Mississippi River Valley alluvial aquifer		
Formation type:	Quaternary Alluvium		
Aquifer type:	Not Reported		
Construction date:	18991231	Welldepth:	49
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 4

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1956-07-31	10.67		1956-03-14	6.75	
1956-02-28	6.77		1956-02-09	8.31	

**13
NE
1/2 - 1 Mile
Higher**

AR WELLS AR1000000000415

Well id :	90011935425901	Original w:	900119354259
City and z:	EARLE, AR 72331	County nam:	MISSISSIPPI
Latitude:	35-42-59	Longitude:	90-01-19
Well statu:	New Well	Depth:	99
Date well :	20040322	Use code:	Not Reported
Owner name:	DON VALENTINE	Driller na:	ALFRED JACOBS
Remarks :	Not Reported	Site id:	AR10000000000415

**14
SE
1/2 - 1 Mile
Higher**

AR WELLS AR1000000000410

Well id :	90011635420501	Original w:	900116354205
City and z:	OSCEOLA AR 723700	County nam:	MISSISSIPPI
Latitude:	35-42-05	Longitude:	90-01-16
Well statu:	New Well	Depth:	90
Date well :	19960520	Use code:	IR
Owner name:	VINCE HOLTHOUSE G625-HA6-0051	Driller na:	CHARLIE AGEE
Remarks :	Not Reported	Site id:	AR10000000000410

**15
NW
1/2 - 1 Mile
Higher**

AR WELLS AR10000000000486

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well id :	90024735431001	Original w:	900247354310
City and z:	MEMPHIS, TN 38120	County nam:	MISSISSIPPI
Latitude:	35-43-10	Longitude:	90-02-47
Well statu:	New Well	Depth:	120
Date well :	20010911	Use code:	IR
Owner name:	JAMES ROBBINS	Driller na:	CHARLES REINHART
Remarks :	Not Reported	Site id:	AR1000000000486

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: AR Radon

Radon Test Results

Total Meas	Mean	Geom mean	Median	Std Dev	Max	% Sites>4 pCi/L	% Sites>20 pCi/L
14	1.2	0.6	0.8	1.4	4.9	7	0

Federal EPA Radon Zone for MISSISSIPPI County: 3

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

Federal Area Radon Information for Zip Code: 72370

Number of sites tested: 2

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	2.100 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

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

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

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

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

State Wetlands Data: Wetland Inventory

Source: US Fish & Wildlife Service

Telephone: 703-358-2171

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

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

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

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

STATSGO: State Soil Geographic Database

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

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

SSURGO: Soil Survey Geographic Database

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

Telephone: 800-672-5559

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

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

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

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

STATE RECORDS

Arkansas Community Public Water Systems

Source: Health Department

Telephone: 501-661-2623

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Database

Source: Arkansas Geographic Information Office

Telephone: 501-682-2929

Oil and gas well locations.

RADON

State Database: AR Radon

Source: Department of Health

Telephone: 501-661-2301

Radon Test Results

Area Radon Information

Source: USGS

Telephone: 703-356-4020

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

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

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

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

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

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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Additional Information



AAI USER QUESTIONNAIRE

Form completed by: Clif Chitwood
 Title/Company: President / GREDF
 Duration at Facility: _____
 Project Name/Number: Project Astro
 Date: February 10, 2016

All questions should be answered to the best of your knowledge.

Question	User/Owner/Occupant				Comments
	Yes	No	Unknown	No Response	
1 Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2 Are you aware of any activity/use limitations, 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?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3 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 an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4 Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

5	<p>Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of a release or threatened releases? For example:</p> <p>1) Do you know the past uses of the property?</p> <p>2) Do you know of specific chemicals that are present or once were present at the property?</p> <p>3) Do you know of spills or chemical releases that have taken place at the property?</p> <p>4) Do you know of any environmental cleanups that have taken place at the property?</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Property is used as farmland.
6	<p>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?</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Signed by: *[Handwritten Signature]*

Date: 2/10/2016

Qualifications



Jeffrey V. Watson

Experience Summary

- Extensive experience conducting site investigations in accordance with ASTM standards.
- Performed comprehensive lead paint and asbestos inspections in more than 20 states.
- National account management for commercial lending institutions.
- Performed indoor air quality investigations and assisted in emissions monitoring.

Experience Description

Mr. Watson's experience includes being in responsible charge of senior technical review of national account due diligence deliverables and maintaining relationships with conduit lender accounts. He developed technical training seminars in environmental due diligence and indoor air evaluation. Following are listed some of Mr. Watson's project experience.

Vice President/Regional Manager/National Director

Directed all due diligence technical services for national accounts, including acquisition and divestiture assessments. Program manager for several property development firms coordinating ALTA Surveys, Geotechnical Investigations and Environmental/Architectural Due Diligence. Planned and created start-up mold laboratory as part of strategic development into indoor air quality service area.

Program Management

Coordinated investigation, remedial design, remediation oversight and summary reports at 554-school City of Chicago Board of Education program. In addition, established and tracked program budget, directed personnel training, subcontractor orientation and development of new projects.

Site Assessments

Conducted site investigations in accordance with ASTM standards. Typical sites ranged from "greenfields" to "brownfields" to operational industrial manufacturing facilities. Scope of experience includes direction of multi-site portfolio acquisitions and divestitures. Also includes extensive Phase II subsurface investigations, Phase III remedial designs and Phase IV remedial action management, involving UST removal and RCRA closure. Responsibilities included mentoring of staff in the performance of Phase I/II site assessments.

Asbestos/Lead-Based Paint Management

Performed comprehensive lead paint and asbestos inspections in more than 20 states. Prepared pre-demolition and pre-renovation remedial designs, and assisted in the development of lead paint policies for the City of Chicago Public Building Commission. Managed turnkey abatement projects for client base ranging from municipal to industrial.

Superfund Site Screening, Field Manager

Conducted facility investigations for preliminary hazard scoring and directed sampling teams during site field sampling. Also, provided field team management and project coordination during ARCS remedial actions and RCRA remedial investigations.

Jeffrey V. Watson

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Industrial Hygiene Experience

Provided on-site construction management of abatement projects, surveyed variety of facilities, ranging from offices to citywide schools. Performed indoor air quality investigations and assisted in emissions monitoring programs for pulp and paper industry.

Environmental Technician

Managed asbestos abatement project as part of campus renovation program. Developed Health and Safety program for facility engineering department.

Education and Professional Recognition

MBA, Marketing, Keller Graduate School of Management, Chicago IL, June 1994

B.S., Biology, Auburn University, Auburn, AL, December 1986



Heath D. Garner

Experience Summary

Ecologist and environmental professional with 20-years of experience specializing in avian ecology, wetlands, environmental assessments, ecological monitoring, threatened and endangered species surveys, habitat restoration, and conservation planning.

Comprehensive knowledge of Federal and State regulatory requirements including NEPA (EIS, EA, CE, and similar documents), CWA (extensive Section 404 experience- wetland delineations, stream assessments, permits, mitigation, mitigation banking), and CERCLA, RCRA, OPA, and other water and soil quality regulatory acts.

Experience Description

Mr. Garner has experience with wildlife ecology, plant taxonomy, GPS and GIS mapping, wetland, forest, and grassland ecology, ecological restoration, forestry practice, nuisance animal control, natural resources planning, vegetation management, and public relations. Following is listed details of Mr. Garner's previous experience.

- Wetlands delineation and permitting
- Wetland and stream mitigation planning, design, implementation, and monitoring
- Preparation of NEPA and similar documents (EA, EIS, BA)
- Phase I Environmental Site Assessments
- T & E species surveys and monitoring for oil & gas, wind, transmission, and highway projects
- Golden eagle surveys and eagle conservation plans (ECPs)
- Lesser prairie-chicken surveys and habitat assessments in OK, KS, and TX
- Indiana and Northern long-eared bat surveys and habitat assessments in OK and AR
- Bird and Bat Conservation Plans for land-based energy development projects
- Baseline documentation reports for conservation easements

Southern Ecological Services-Owner, Environmental and Ecological Consultant: 4/1999-6/2010

- Wetlands delineation, permitting, and compensatory mitigation plans
- Mitigation Bank planning and design
- Wetland mitigation monitoring
- Preparation of NEPA and similar documents (EA, EIS, BA)
- Phase I and Phase II Environmental Site Assessments
- Wildlife surveys and monitoring for highway and wind energy projects
- Wildlife and habitat management planning and implementation-private and corporate lands
- Farm Bill Conservation Program habitat planning and implementation
- Wildlife population monitoring
- Lake design and fisheries management
- Restoration of wetland, prairie, forest, and stream ecosystems
- Watershed District vegetation management and planning
- Conservation easement baseline documentation reports

Ducks Unlimited-Wetland Restoration Specialist

- Wetland Reserve Program (WRP) afforestation QA/QC
- Wetland afforestation monitoring
- Coordination of tree planting and hydrological restoration efforts



- Wetland monitoring document preparation

UAM/U.S. Forest Service-Forest Wildlife Research Specialist

- Responsible for research transect and plot layout and maintenance
- Completed bird and mammal surveys along established transects within areas of different forest management strategies to determine optimum species richness and diversity as part of the U.S. Forest Service Ouachita Mountain Ecosystem Management Initiative
- Collected habitat data at established points and performed data analysis for entry into GIS models
- Performed statistical analysis
- Provided technical reports and year-end summary reports

Arkansas State University- Field Biologist

- Development of study design for various ornithological research projects
- Supervised field technicians and coordinated field data collections
- Completed trapping and banding of Neotropical songbirds, shrikes, and raptors under various funded projects
- Performed data management and statistical analysis for department projects

Entergy-Biologist/Environmental Regulatory Compliance Intern: 5/1993-8/1993

- Coordination and planning of Peregrine Falcon (*Falco peregrinus*) reintroduction efforts
- Procurement of birds from captive breeder
- Supervised care and hacking of reintroduced falcons
- Monitored reintroduced birds through point surveys and radio-telemetry
- Completed bird acquisition and disposition reports for USFWS
- Implemented habitat evaluation and management plan for Independence Steam Electric Station

Education and Professional Recognition

M.S. Biology, Arkansas State University, Jonesboro, 1997

B.S. Wildlife Management, Arkansas State University, Jonesboro, 1993

Arkansas State Plant Board, Forestry and Aquatic Commercial Applicator License, 2005-2010

Awards and Certifications

Ducks Unlimited, Conservation Service Award, 2003

The Prescribed Fire Committee of Arkansas, RX-300 Burn Boss Certification, 2005

ASTM International Technical & Professional Training, Phase I and II ESA certificate of training, 2006

Arkansas State Plant Board, Forestry and Aquatic Commercial Applicator License, 2005-2010

USDA, Conservation Planning and Wetland Technical Service Provider, 2003-2010

Environmental Stewardship Award, Jonesboro Regional Chamber of Commerce, 2009

Boy Scouts of America – Eagle Scout, 1989

Technical/Computer Software Skills

- Microsoft Office Suite of Software including Word, Excel, Power Point, Access, and Outlook
- Adobe Acrobat
- ESRI ArcGIS and ArcMap desktop and mobile
- DNRGPS
- R Statistical Analysis
- Terrain Navigator Pro desktop and mobile
- AutoCAD



Publications and Presentations

Garner, Heath D, 1999. Distribution and habitat use of sharp-shinned hawks (*Accipiter striatus*) and Cooper's hawks (*A. cooperii*) in Arkansas. *Journal of Raptor Research* 33(4):329-332

Garner, Heath D, and James C. Bednarz, 2000. Habitat use by red-tailed hawks (*Buteo jamaicensis*) in the Delta region of Arkansas. *Journal of Raptor Research* 34(1):26-32

Habitat Restoration on Private Lands Conference, Little Rock, Arkansas. Sponsored by the USDA NRCS, AGFC, TNC, and SES. February 2-4, 2010. *Invited presenter.*

Selected Professional Meetings

National Wind Coordinating Collaborative/American Wind Wildlife Institute, Wind Wildlife Research Meeting X, Broomfield, Colorado, December 2-5, 2014

Integrating Science into the Restoration and Management of Floodplain Ecosystems of the Southeast, Little Rock, Arkansas, March 4-6, 2008.

ASTM Technical and Professional Training Workshop, Phase I and Phase II Environmental Site Assessments for Commercial Real Estate, February 28-March 2, 2006.

Southeastern Quail Study Group Annual Conference, Land between the Lakes, Kentucky, 2006

Workshop on Stream Investigation, Stabilization, and Restoration. Sponsored by USEPA Region 6, U.S . Army Corps of Engineers Water Operations Technical Support Program, The Arkansas Soil and Water Conservation Commission, and Fulton County Conservation District, August 13-14, 2003

Raptor Research Foundation Annual Conference, Duluth, Minnesota, 1995

Raptor Research Foundation Annual Conference, Flagstaff, Arizona, 1994