Phase I Environmental Site Assessment

Litchfield

Off of West County Line Road

Town of South Litchfield, Montgomery County, IL

February 12, 2025 | Terracon Project No. 15257027

Prepared for:

Carson Power LLC 110 William St. 24 Floor New York City, NY

Prepared by:

Terracon Consultants, Inc. Saint Louis, Missouri



Nationwide Geotechnical Terracon.com

Facilities Environmental



Terracon.com

February 12, 2025

Carson Power LLC 110 William St. 24 Floor New York City, NY 10038

- Attn: Mr. Owen Hooper P: (857) 259-2727 E: ohooper@carson-power.com
- Re: Phase I Environmental Site Assessment Litchfield Off of West County Line Road Town of South Litchfield, Montgomery County, Illinois 62056 Terracon Project No. 15257027

Dear Mr. Hooper:

Terracon Consultants, Inc. (Terracon) is pleased to submit the enclosed Phase I Environmental Site Assessment (ESA) report for the above-referenced site. This assessment was performed in accordance with Terracon Proposal No. P15257027 dated January 30, 2025.

We appreciate the opportunity to be of service to you on this project. In addition to Phase I services, our professionals provide geotechnical, environmental, construction materials, and facilities services on a wide variety of projects locally, regionally, and nationally. For more detailed information on all of Terracon's services please visit our website at <u>www.terracon.com</u>. If there are any questions regarding this report or if we may be of further assistance, please do not hesitate to contact us.

Sincerely,

Terracon Consultants, Inc.

Colleen Wittenberg Colleen E. Wittenberg Senior Staff Scientist

Tracie Ragland

Tracie A. Ragland Senior Scientist

Attachments

Explore with us



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Executive Summary

This Phase I Environmental Site Assessment (ESA) was performed in accordance with Terracon Proposal No. P15257027 dated January 30, 2025, and was conducted consistent with the procedures included in ASTM E2247-23, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process for Forestland or Rural Property*. The ESA was conducted under the supervision or responsible charge of Tracie A. Ragland, Environmental Professional. Colleen E. Wittenberg performed the site reconnaissance on February 4, 2025.

Findings and Opinions

A summary of findings is provided below. It should be recognized that details were not included or fully developed in this section, and the report must be read in its entirety for a comprehensive understanding of the items contained herein.

Site Description and Use

According to the Montgomery County assessor's records, site observations, and information provided by the Client, the site consists of approximately 18.74 acres of agricultural row crop land associated with Parcels #15-17-100-004 and #15-17-200-010 located west of Route 66. The site is located off of West County Line Road in Town of South Litchfield, IL. Please refer to Exhibit 2 in Appendix A for a diagram of the site.

Historical Information

Based on a review of the historical information, the site consisted of rural land in 1915. By 1938, agricultural row crop land with a drainage ditch in the northwestern portion of the site is apparent.

The site has been used as agricultural row crop land since at least the early 1900s. Based on this usage and statement from Mr. Steven Grosenheider, site owner, pesticides and herbicides have likely been used on-site. While some agricultural chemicals persist, especially if misapplied, Terracon did not observe indications of spills or misuse of these items at the site during the visual reconnaissance. A review of the historical site information and regulatory records did not indicate a release on the site. Terracon did not identify operations involving pesticide/herbicide or fertilizer disposal, storage, or transport at the site. In addition, it should be noted that the normal applications of pesticides and fertilizer are exempt from the definition of a release to the environment under CERCLA (per CERCLA section 101(22)(D). Further, legislative history indicates that the phrase "normal application of fertilizer" was meant to apply to the act of putting fertilizer on crops or cropland, and did not mean dumping, spilling, or emitting, whether accidental or intentional, in any other place or of significantly greater concentrations or amounts that are beneficial to crops. Therefore, the agricultural operations at the site are not considered a REC at this time.



The surrounding area primarily consisted of agricultural row crop land. An intermittent stream and farmstead (1196 North 10th Ave) are apparent to the north of the site since at least 1915. Railroad tracks are depicted to the east and south of the site since at least 1915. A farmstead (9319 Kruse Rd) is also depicted to the east since at least 1915. Route 66 is depicted to the east and south of the site by 1938.

Recognized Environmental Conditions (RECs) were not identified with the historical use of the site and surrounding area.

Records Review

Selected federal and state environmental regulatory databases as well as responses from state and local regulatory agencies were reviewed. The site was not listed within the regulatory databases. Regulated facilities were not listed within the specified search distances from the site.

Site Reconnaissance

During the site reconnaissance, Terracon observed a trenched drainage ditch in the northwestern portion of the site. Additionally, wetland delineation flag markers were observed in the northeast corner of the site. Water was observed in the drainage ditch and flagged area during the site reconnaissance. Chemicals, hazardous materials, staining, or sheens were not observed in the vicinity of the drainage ditch or flagged area.

RECs associated with the site were not observed during the site visit.

Adjoining Properties

The site is bordered by the following:

- To the north: Agricultural row crop land with a farmstead
- To the east: Route 66 followed by tree line and railroad tracks followed by agricultural row crop land
- To the south: Agricultural row crop land
- To the west: Agricultural row crop land

RECs associated with the site originating from current day off-site operations were not identified.

Significant Data Gaps

Significant data gaps (SDGs) were not identified.



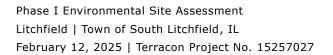
Conclusions

We have performed a Phase I ESA consistent with the procedures included in ASTM Practice E2247-23 at approximately 18.74 acres of agricultural row crop land off of West County Line Road, Town of South Litchfield, Montgomery County, Illinois, the site. Recognized Environmental Conditions (RECs) or Controlled RECs (CRECs) were not identified in connection with the site.

Recommendations

Based on the scope of services, limitations, and conclusions of this assessment, Terracon did not identify RECs, CRECs, or SDGs in connection with the site. As such, no additional investigation is warranted at this time.

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1.0 Introduction

1.1 Site Description

Site Name	Litchfield	
Site Location/Address	Off of West County Line Road, Town of South Litchfield, Montgomery County, Illinois	
Parcel Number	Parcels #15-17-100-004 and #15-17-200-010	
Land Area	Approximately 15.10 acres of land associated with Parcel #15-17-100-004 and approximately 3.64 acres of land associated with Parcel #15-17-200-010 for a total of 18.74 acres of land.	
Site Improvements	Agricultural row crop land	
Anticipated Future Site Use	Community Solar Facility Operation	
Purpose of the ESA	Community solar facility development, and future financing	

The location of the site is depicted on Exhibit 1 of Appendix A, which was reproduced from a portion of the USGS 7.5-minute series topographic map. The site and adjoining properties are depicted on the Site Diagram, which is included as Exhibit 2 of Appendix A. Acronyms and terms used in this report are described in Appendix F.

1.2 Scope of Services

This Phase I ESA was performed in accordance with Terracon Proposal No. P15257027 dated January 30, 2025, and was conducted consistent with the procedures included in ASTM E2247-23, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process for Forestland or Rural Property*. The purpose of this ESA was to assist the client in developing information to identify RECs in connection with the site as reflected by the scope of this report. This purpose was undertaken through user-provided information, a regulatory database review, historical and physical records review, interviews, including local government inquiries, as applicable, and a visual noninvasive reconnaissance of the site and adjoining properties. Limitations, ASTM deviations, and significant data gaps (if identified) are noted in the applicable sections of the report.



ASTM E2247-23 includes the definition of "migrate/migration," which refers to "the movement of hazardous substances or petroleum products in any form, including, for example, solid and liquid at the surface or subsurface, and vapor in the subsurface." By including this explicit reference to migration in ASTM E2247-23, the Standard clarifies that the potential for vapor migration should be addressed as part of a Phase I ESA. This Phase I ESA has considered vapor migration in evaluation of RECs associated with the site.

Review of Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS)

PFAS are a family of compounds which are considered emerging contaminants of concern due to their mobility and longevity in the environment. PFAS has been used in many products, including but not limited to fire-fighting foam, anti-stick coatings, stain and waterrepellent coatings, electroplating, and paper products, among others. On July 8, 2024, US EPA designated two PFAS compounds, perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS), including their salts and structural isomers, as hazardous substances under CERCLA; accordingly, PFOA and PFOS was evaluated within the scope of E2247-23. Please note that PFAS compounds are ubiquitous in the environment and this limited review is not to be construed as confirmation that PFAS compounds are not present in, at or under the site.

1.3 Standard of Care

This ESA was performed in accordance with generally accepted practices of this profession, undertaken in similar studies at the same time and in the same geographical area. We have endeavored to meet this standard of care, but may be limited by conditions encountered during performance, a client-driven scope of work, or inability to review information not received by the report date. Where appropriate, these limitations are discussed in the text of the report, and an evaluation of their significance with respect to our findings has been conducted.

Phase I ESAs, such as the one performed at this site, are of limited scope, are noninvasive, and cannot eliminate the potential that hazardous, toxic, or petroleum substances are present or have been released at the site beyond what is identified by the limited scope of this ESA. In conducting the limited scope of services described herein, certain sources of information and public records were not reviewed. It should be recognized that environmental concerns may be documented in public records that were not reviewed. No ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with a property. Performance of this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs. No warranties, express or implied, are intended or made. The limitations herein must be considered when the user of this report formulates opinions as to risks associated with the site or otherwise uses the report for any other purpose. These risks may be further evaluated – but not eliminated – through additional research or assessment. We will, upon request, advise you of additional research or assessment options that may be available and associated costs.

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1.4 Additional Scope Limitations, ASTM Deviations and Data Gaps

Based upon the agreed-on scope of services, this ESA did not include subsurface or other invasive assessments, vapor intrusion assessments or indoor air quality assessments (i.e. evaluation of the presence of vapors within a building structure), business environmental risk evaluations, or other services not particularly identified and discussed herein. Credentials of the company (Statement of Qualifications) have not been included in this report but are available upon request. Pertinent documents are referred to in the text of this report, and a separate reference section has not been included. Reasonable attempts were made to obtain information within the scope and time constraints set forth by the client; however, in some instances, information requested is not, or was not, received by the issuance date of the report. Information obtained for this ESA was received from several sources that we believe to be reliable; nonetheless, the authenticity or reliability of these sources cannot and is not warranted hereunder. This ESA was further limited by the following:

At the issuance of this report, a response has not been received from the Montgomery County, IL City Clerk and Assessor. However, based on review of the information provided in the regulatory database report and other online resources (refer to Section 4.0), this limitation is not anticipated to alter the conclusions of this report, or prevent the Environmental Professional's (EP's) ability to identify RECs, and is therefore not significant.

An evaluation of the significance of limitations and missing information with respect to our findings has been conducted, and where appropriate, significant data gaps are identified and discussed in the text of the report. However, it should be recognized that an evaluation of significant data gaps is based on the information available at the time of report issuance, and an evaluation of information received after the report issuance date may result in an alteration of our conclusions, recommendations, or opinions. We have no obligation to provide information obtained or discovered by us after the issuance date of the report, or to perform any additional services, regardless of whether the information would affect any conclusions, recommendations, or opinions in the report. This disclaimer specifically applies to any information that has not been provided by the client.

This report represents our service to you as of the report date and constitutes our final document; its text may not be altered after final issuance. Findings in this report are based upon the site's current utilization, information derived from the most recent reconnaissance and from other activities described herein; such information is subject to change. Certain indicators of the presence of hazardous substances or petroleum products may have been latent, inaccessible, unobservable, or not present during the most recent reconnaissance and may subsequently become observable (such as after site renovation or development). Further, these services are not to be construed as legal interpretation or advice.



1.5 Reliance

This ESA report is prepared for the exclusive use and reliance of Carson Power LLC. Use or reliance by any other party is prohibited without the written authorization of Carson Power LLC and Terracon Consultants, Inc. (Terracon).

Reliance on the ESA by the client and all authorized parties will be subject to the terms, conditions and limitations stated in the proposal, ESA report, and Terracon's Agreement for Services. The limitation of liability defined in the Agreement for Services is the aggregate limit of Terracon's liability to the client and all relying parties.

Continued viability of this report is subject to ASTM E2247-23 Sections 4.6 and 4.8. If the ESA will be used by a different user (third party) than the user for whom the ESA was originally prepared, the third party must also satisfy the user's responsibilities in Section 6 of ASTM E2247-23.

1.6 Client Provided Information

Prior to the site visit, Ms. Kayleigh Furth, client's representative, was asked to provide the following user questionnaire information as described in ASTM E2247-23 Section 6.

Client Questionnaire Item	Client Did Not Respond	Client's Response	
	Respond	Yes	No
Specialized Knowledge or Experience that is material to a REC in connection with the site.			Х
Actual Knowledge of Environmental Liens or Activity Use Limitations (AULs) that may encumber the site.			х
Actual Knowledge of a Lower Purchase Price because contamination is known or believed to be present at the site.			Х
Commonly Known or Reasonably Ascertainable Information that is material to a REC in connection with the site.			Х
Obvious Indicators of Contamination at the site.			Х

Client Questionnaire Responses

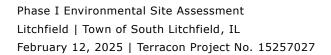
Terracon's consideration of the client-provided information did not identify RECs. A copy of the questionnaire is included in Appendix C.



2.0 Physical Setting

Physical	Source				
Topography					
Site Elevation	Approximately 680 feet above sea level	USGS Topographic Map, Litchfield, IL and Mount Olive Quadrangle, dated 2024			
Topographic Gradient	Generally southeast				
Closest Surface Water	An intermittent stream is located approximately 1,500 feet east of the site.	(Appendix A)			
	Soil Characteristics				
Soil Type	Harrison silt loam, 0 to 2 percent slopes; Harrison silt loam, 2 to 5 percent slopes; Oconee- Darmstadt-Coulterville silt loams, 2 to 5 percent slopes, eroded; Herrick-Biddle-Piasa silt loams, 0 to 2 percent slopes; and Cowden- Piasa silt loams, 0 to 2 percent slopes	Montgomery County, IL USDA-NRCS Web Soil Survey* viewed February 7, 2025			
Description	Harrison silt loam soils with 0 to 2 percent slopes consist of silt loam from 0-15 inches, silty clay loam from 15-45 inches and 45- 67 inches, and clay loam from 67-79 inches. Harrison silt loam soils with 2 to 5 percent slopes consist of silt loam from 0-10 inches, silty clay loam from 10-45 inches and 45- 65 inches, and clay loam from 65-79 inches.				
	Oconee-Darmstadt-Coulterville				

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Physical	Setting Information	Source
	silt loams soils with 2 to 5 percent slopes, eroded consist of silt loam from 0-8 inches, silty clay loam from 8-47 inches and 47-65 inches, and silt loam from 65-80 inches.	
	 Herrick-Biddle-Piasa silt loams soils with 0 to 2 percent slopes consist of silt loam soils from 0- 13 inches, silty clay loam from 13-39 inches and 39-60 inches, and silt loam from 60-79 inches. Cowden-Piasa silt loams soils with 0 to 2 percent slopes consist of silt loam from 0-8 inches and 8-19 inches, silt clay loam from 19-50 inches, and silt loam from 50-79 inches. 	
	Geology/Hydrogeology	
Formation	Bond Formation	USGS Mineral Resources
Description	Bond Formation consists of sandstone, shale, and limestone.	Online Spatial Data** viewed February 7, 2025
Estimated Depth to First Occurrence of Groundwater	Approximately 2 to 25 feet below ground surface (bgs)	Terracon's prior geotechnical survey in the vicinity of the site
***Hydrogeologic Gradient	Not known - may be inferred to be parallel to topographic gradient (primarily to the southeast).	

*https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx

**<u>https://mrdata.usgs.gov/geology/state/sgmc2-unit.php?unit=ILPAb;0</u>

***The groundwater flow direction and the depth to shallow, unconfined groundwater, if present, would likely vary depending upon seasonal variations in rainfall and other hydrogeological features. Without the benefit of on-site groundwater monitoring wells surveyed to a datum, groundwater depth and flow direction beneath the site cannot be directly ascertained.



3.0 Historical Use Information

Terracon reviewed the following historical sources to develop a history of the previous uses of the site and surrounding area, in order to help identify RECs associated with past uses. Copies of selected historical documents are included in Appendix C.

3.1 Historical Topographic Maps, Aerial Photographs, Sanborn Maps

Readily available historical USGS topographic maps, selected historical aerial photographs (at approximately 10 to 15 year intervals), and historical fire insurance maps produced by the Sanborn Library LLC were reviewed to evaluate land development and obtain information concerning the history of development on and near the site. Reviewed historical topographic maps, aerial photographs, and Sanborn maps are summarized below.

Historical fire insurance maps produced by the Sanborn Library LLC were requested from EDR to evaluate past uses and relevant characteristics of the site and surrounding properties. Based upon inquiries to the above-listed Sanborn provider, Sanborn maps were not available for the site. A copy of the EDR "no-coverage" letter is included in Appendix C.

- Topographic maps: Mount Olive, IL dated 1915, 1944 (1:62,500), 1974, 2012, 2015, 2018, and 2021 (1:24,000)
- <u>Topographic maps</u>: Litchfield, IL dated 1974, 2012, 2015, 2018, and 2021 (1:24,000)
- Aerial photographs: 1938, 1956, 1973, 1976, 1986, 1993, 1998, 2006, 2009, 2012, 2015, and 2019 (1"=500')

Direction	Description		
Site	1915 : Rural land 1938-2021 : Agricultural row crop land* with a drainage ditch in the northwestern portion of the site		
North	1915 : Rural land followed by a structure and an intermittent stream 1938-2021 : Agricultural row crop land followed by a farmstead (1196 North 10 th Ave) and an intermittent stream		
East	1915 : Rural land followed by railroad tracks followed by a structure 1938-2021 : Route 66 followed by railroad tracks followed by a farmstead (9319 Kruse Rd) and agricultural row crop land		

Historical Maps and Aerial Photographs



Direction	Description		
South	1915 : Rural land followed by railroad tracks 1938-2021 : Agricultural row crop land followed by Route 66 followed by railroad tracks		
West	1915 : Rural land 1938-2021 : Agricultural row crop land with a drainage ditch		

*The site has been used as agricultural row crop land since at least the early 1900s. Based on this usage and statement from Mr. Steven Grosenheider, site owner, pesticides and herbicides have likely been used on-site. Terracon did not observe indications of spills or misuse of these items at the site during the visual reconnaissance. A review of the historical site information and regulatory records did not indicate a release on the site. Therefore, the agricultural operations at the site are not considered a REC at this time.

3.2 Historical City Directories

The EDR Digital Archive, Cole Information, Haines Criss-Cross Directory, and Johnson Publishing Co city directories used in this study were made available through EDR (selected years reviewed: 1961 to 2020) and were reviewed at approximate five-year intervals, if readily available. Review of the Montgomery County assessor's website did not reveal a current address assigned to the site.

Direction	Description	
Site	No listings	
North	1196 North 10th Ave:2000-2010: Alfred Millburg2014: Esther Millburg2017: Brian Leitschuh2020: Brian and Denelle Leitschuh	
East	9319 Kruse Rd: 2000-2005: Steve Grosenheider 2010: Jenny Miller 2014-2017: Ernest Longwell 2020: Ernest and Jennifer Longwell and William Anglin	

Historical City Directories



Direction	Description
South	<u>13 Franks Ln:</u> 2000-2017: Clarence Niemann 2020: Clarence and Ophelia Niemann
West	No listings

3.3 Site Ownership

Based on a review of information obtained from the Montgomery County assessor's records, the current site owner of Parcels #15-17-100-004 and #15-17-200-010 is Grosenheider Steven R & Pamela.

3.4 Title Search

At the direction of the client, a title search was not included as part of the scope of services. Unless notified otherwise, we assume that the client is evaluating this information outside the scope of this report.

3.5 Environmental Liens and Activity and Use Limitations

The EDR regulatory database report included a review of both Federal and State Engineering Control (EC) and Institutional Control (IC) databases. Based on a review of the database report, the site was not listed on the EC or IC databases. Please note that in addition to these federal and state listings, AULs can be recorded at the county and municipal level that may not be listed in the regulatory database report. Environmental lien and activity and use limitation records recorded against the site were not provided by the client. At the direction of the client, performance of a review of these records was not included as part of the scope of services and unless notified otherwise, we assume that the client is evaluating this information outside the scope of this report.

3.6 Interviews Regarding Current and Historical Site Uses

The following individuals were interviewed regarding the current and historical use of the site.

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Interviews

Interviewer	Name / Phone #	Title	Date
Colleen E. Wittenberg	Mr. Steven Grosenheider / (217) 556-7548	Site Owner	February 7, 2025

On February 7, 2025, Terracon interviewed Mr. Steven Grosenheider, current site owner. Mr. Grosenheider stated that he has owned the site for approximately 50 years and has been owned by his family for over 100 years. The site was used for agricultural row crop land before his acquisition and is currently used for agricultural row crop land.

Mr. Grosenheider stated that pesticides and herbicides have been applied to the site for corn and soybean crops. The pesticides and herbicides are stored and mixed off-site and applied according to the manufacture's label.

Mr. Grosenheider stated that he is unaware of wells, ponds, Aboveground Storage Tanks (ASTs), Underground Storage Tanks (USTs), or drums located on the site. Mr. Grosenheider was unaware of materials being buried, burned, or dumped at the site. Mr. Grosenheider is unaware of previous Phase I ESAs conducted at the site or environmental concerns.

3.7 Prior Report Review

Terracon requested the client provide any previous environmental reports they are aware of for the site. Previous reports were not provided by the client to Terracon for review.

4.0 Records Review

Regulatory database information was provided by EDR, a contract information services company in a report dated February 3, 2025. The purpose of the records review was to identify RECs in connection with the site. Information in this section is subject to the accuracy of the data provided by the information services company and the date at which the information is updated. The scope herein did not include confirmation of facilities listed as "unmappable" by regulatory databases.

In some of the following subsections, the words up-gradient, cross-gradient and downgradient refer to the topographic gradient in relation to the site. As stated previously, the groundwater flow direction and the depth to shallow groundwater, if present, would likely vary depending upon seasonal variations in rainfall and the depth to the soil/bedrock interface. Without the benefit of on-site groundwater monitoring wells surveyed to a datum, groundwater depth and flow direction beneath the site cannot be directly ascertained.





4.1 Federal and State/Tribal Databases

Listed below are the facility listings identified on federal and state/tribal databases within the ASTM-required search distances from the approximate site boundaries. Database definition, descriptions, and the database search report are included in Appendix D.

Database	Description	Distance (miles)	Listings
CERCLIS (SEMS)	Comprehensive Environmental Response, Compensation, & Liability Information System	0.5	0
CERCLIS / NFRAP (SEMS- ARCHIVE)	Comprehensive Environmental Response, Compensation, & Liability Information System/No Further Remedial Action Planned	0.5	0
ERNS	Emergency Response Notification System	Site	0
IC / EC	Institutional Control/Engineering Control	Site	0
NPL	National Priorities List	1	0
NPL (Delisted)	National Priorities Delisted List	0.5	0
RCRA CORRACTS/ TSD	RCRA Corrective Action Activity	1	0
RCRA Generators	Resource Conservation and Recovery Act	Site and adjoining properties	0
RCRA Non- CORRACTS/ TSD	RCRA Non-Corrective Action Activity	0.5	0

Federal Databases

State/Tribal Databases

Database	Description	Distance (miles)	Listings
Brownfields	Brownfields Databases	0.5	0



Database	Description	Distance (miles)	Listings
IC/EC	Institutional Controls / Engineering Controls	Site	0
LUST	Leaking Underground Storage Tanks	0.5	0
SHWS	State Hazardous Waste Site	0.5	0
SRP	Site Remediation Program	0.5	0
SWF/LF	Solid Waste Facilities / Landfills	0.5	0
UST	Underground Storage Tank Facilities	Site and adjoining properties	0

In addition to the above ASTM-required listings, Terracon reviewed other federal, state, local, and proprietary databases provided by the database firm. A list of the additional reviewed databases is included in the regulatory database report included in Appendix D.

Regulated facilities were not listed within the specified search distances from the site.

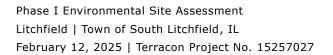
Unmapped facilities are those that do not contain sufficient address or location information to evaluate the facility listing locations relative to the site. The report listed one facility in the unmapped section. Determining the location of unmapped facilities is beyond the scope of this assessment; however, the facility was not identified as the site or adjacent properties. The facility is listed in the database report in Appendix D.

4.2 Local Agency Inquiries

Agency Contacted/	
Contact Method	Response
Montgomery County, IL City Clerk/ countyclerk@montgomeryco.com	At the issuance of this report, a response had not been received from the Montgomery County, IL City Clerk.
Montgomery County, IL Assessor/ assessor@montgomerycountyil.gov	At the issuance of this report, a response had not been received from the Montgomery County, IL Assessor.



Agency Contacted/	
Contact Method	Response
Litchfield Fire Department/ apennock@cityoflitchfieldil.com	On January 31, 2025, Fire Chief Adam Pennock with the Litchfield Fire Department stated "We would likely be the responding agency. I do not believe those parcels to be in any fire protection district but cannot confirm as it would be the neighboring county (Macoupin) if so. We have no records."
Macoupin County Emergency Management Agency susan.lewis@macoupincountyil.gov	On February 11, 2025, Ms. Susan Lewis, Coordinator with the Macoupin County Emergency Management Agency, responded stating that they do not hold records associated with the request. Ms. Lewis requested additional information to assist in finding an appropriate department for the requested records, which Terracon provided on February 11, 2025. At the issuance of this report, further response from Ms. Lewis had not been received.
National Pipeline Mapping System (NPMS) / Online map*	According to the NPMS, the site does not contain gas transmission or hazardous liquid pipelines.
Illinois EPA Document Explorer**	According to the Document Explorer, air permits (construction and operating), National Pollution Discharge Elimination System (NPDES) water discharge permits, LUST technical documents, Site Remediation Program (SRP) technical documents, State Response Action technical documents, or Final Compliance Commitment Agreements are not associated with the site.
Illinois State Geological Survey (ISGS) Water and Related Wells (ILWATER) map and Oil and Gas Resources (ILOIL) map***	According to the ILWATER and ILOIL Online Map, water wells, oil wells, or gas wells are not located at the site.
Illinois State Geological Survey (ISGS) Coal Mines in Illinois Viewer****	According to the Illinois Coal Mine viewer, the site is not mapped in the vicinity of mining operations.
*https://pvnpms.phmsa.dot.gov/Pul **https://webapps.illinois.gov/EPA/I ***https://isgs.illinois.edu/data/geo ****https://ilmineswiki.web.illinois.	DocumentExplorer/ logical-records/





5.0 Site Reconnaissance

5.1 General Site Information

Information contained in this section is based on a visual reconnaissance conducted while walking through the site and the accessible interior areas of structures, if any, located on the site. The site and adjoining properties are depicted on the Site Diagram, which is included in Exhibit 2 of Appendix A. Photo documentation of the site at the time of the visual reconnaissance is provided in Appendix B. Credentials of the individuals planning and conducting the site visit are included in Appendix E.

Site Reconnaissance	
Field Personnel	Colleen E. Wittenberg
Reconnaissance Date	February 4, 2025
Weather Conditions	34°Fahrenheit / Partly cloudy
Site Contact/Title	Terracon was unescorted during the site visit

General Site Information

5.2 Areas of Environmental Interest

Due to the rural nature of the site, Terracon reviewed aerial photographs to evaluate areas of environmental interest. Areas of environmental interest are defined as, "an area or areas of the property with indications of activity that could have resulted in the presence of a recognized environmental condition, especially areas where hazardous substances or petroleum products may be used, handled, managed or stored or may have been used, handled, managed or stored in the past. The following areas of environmental interest were identified and visited during the site reconnaissance:

Areas of Interest

AOI #	Area of Interest	Description	Location/Parcel ID
1	Drainage area	A trenched drainage area	Northwestern portion of Parcel #15-17-100-004



AOI #	Area of Interest	Description	Location/Parcel ID
2	Wetland delineation flags	Wetland delineation flag markers	Northeast corner of Parcel #15-17-200-010

5.3 Overview of Current Site Occupants

According to the Montgomery County assessor's records, site observations, and information provided by the Client, the site consists of approximately 18.74 acres of agricultural row crop land associated with Parcels #15-17-100-004 and #15-17-200-010 located west of Route 66. The site is located off of West County Line Road in Town of South Litchfield, IL. The site was not occupied at the time of the site visit. Please refer to Exhibit 2 in Appendix A for a diagram of the site.

5.4 Overview of Current Site Operations

The site is currently agricultural row crop land.

5.5 Site Observations

The following table summarizes site observations and interviews. Affirmative responses (designated by an "X") are discussed in more detail following the table.

Category	Item or Feature	Observed or Identified
Site Operations, Processes, and Equipment	Emergency generators	
	Elevators	
	Air compressors	
	Hydraulic lifts	
	Dry cleaning	

Site Characteristics



Category	Category Item or Feature	
	Photo processing	
	Ventilation hoods and/or incinerators	
	Waste treatment systems and/or water treatment systems	
	Heating and/or cooling systems	
	Paint booths	
	Sub-grade mechanic pits	
	Wash-down areas or carwashes	
	Pesticide/herbicide production or storage	
	Printing operations	
	Metal finishing (e.g., electroplating, chrome plating, galvanizing, etc.)	
	Salvage operations	
	Oil, gas or mineral production	
	Other processes or equipment	
	Aboveground storage tanks	
Aboveground Chemical or Waste Storage	Drums, barrels and/or containers \ge 5 gallons	
	MSDS or SDS	



Category	Item or Feature	Observed or Identified
	Underground storage tanks or ancillary UST equipment	
	Sumps, cisterns, French drains, catch basins and/or dry wells	
Underground Chemical or	Grease traps	
Waste Storage, Drainage or	Septic tanks and/or leach fields	
Collection Systems	Oil/water separators, clarifiers, sand traps, triple traps, interceptors	
	Pipeline markers	
	Interior floor drains	
Electrical	Transformers and/or capacitors	
Transformers/ PCBs	Other equipment	



Category	Item or Feature	Observed or Identified
	Stressed vegetation	
	Stained soil	
	Stained pavement or similar surface	
	Leachate and/or waste seeps	
Releases or	Trash, debris and/or other waste materials	
Potential Releases	Dumping or disposal areas	
	Construction/demolition debris and/or dumped fill dirt	
	Surface water discoloration, odor, sheen, and/or free floating product	
	Strong, pungent or noxious odors	
	Exterior pipe discharges and/or other effluent discharges	
	Surface water bodies	x
Other Notable	Quarries or pits	
Site Features	Wastewater lagoons	
	Wells	

Other Notable Site Features

Surface water bodies

A trenched drainage ditch area was observed in the northwestern portion of the site. Water



was observed in the drainage ditch during the site reconnaissance. Chemicals, hazardous materials, staining, or sheens were not observed in the vicinity of the drainage ditch.

Additionally, wetland delineation flag markers were observed in the northeast corner of the site. Water was observed in the flagged area during the site reconnaissance. Chemicals, hazardous materials, staining, or sheens were not observed in the vicinity of the flagged area.

6.0 Adjoining Property Reconnaissance

Visual observations of adjoining properties (from site boundaries) are summarized below.

Direction	Description
North	Agricultural row crop land with a farmstead
East	Route 66 followed by tree line and railroad tracks followed by agricultural row crop land
South	Agricultural row crop land
West	Agricultural row crop land

Adjoining Properties

RECs were not observed with the current day adjoining properties.

7.0 Additional Services

Per the agreed scope of services specified in the proposal, additional services (e.g. asbestos sampling, lead-based paint sampling, wetlands evaluation, lead in drinking water testing, radon testing, vapor encroachment screening, etc.) were not conducted.

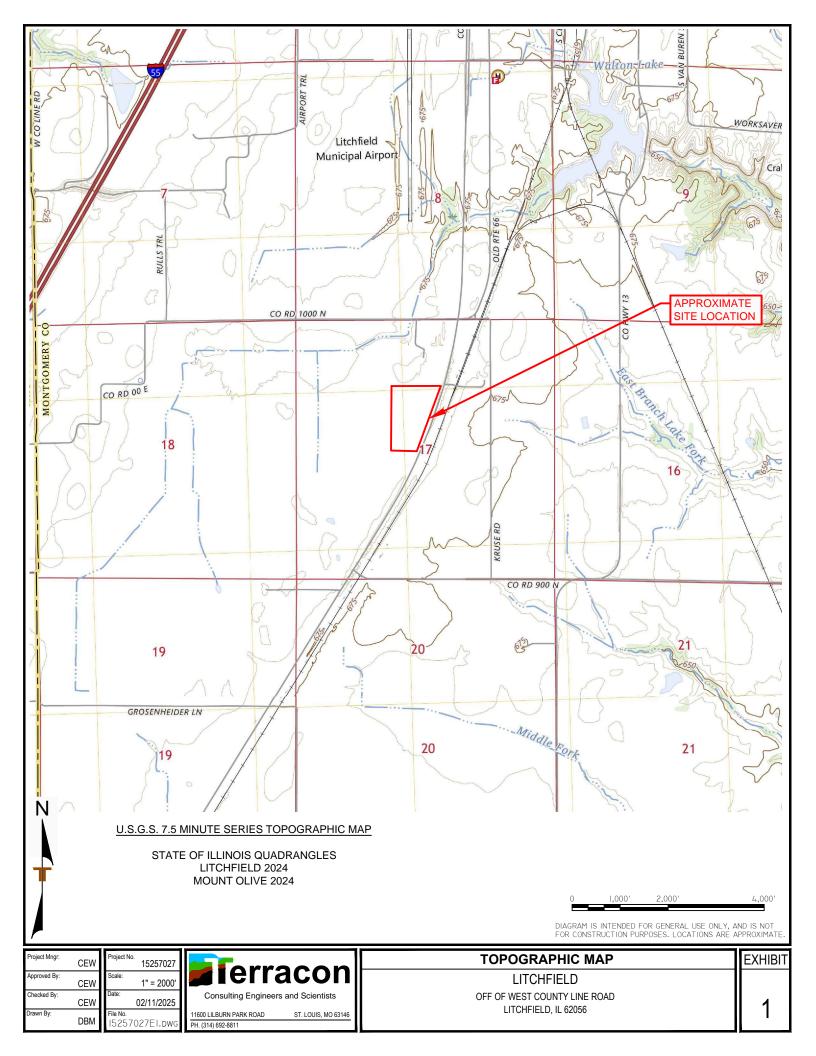


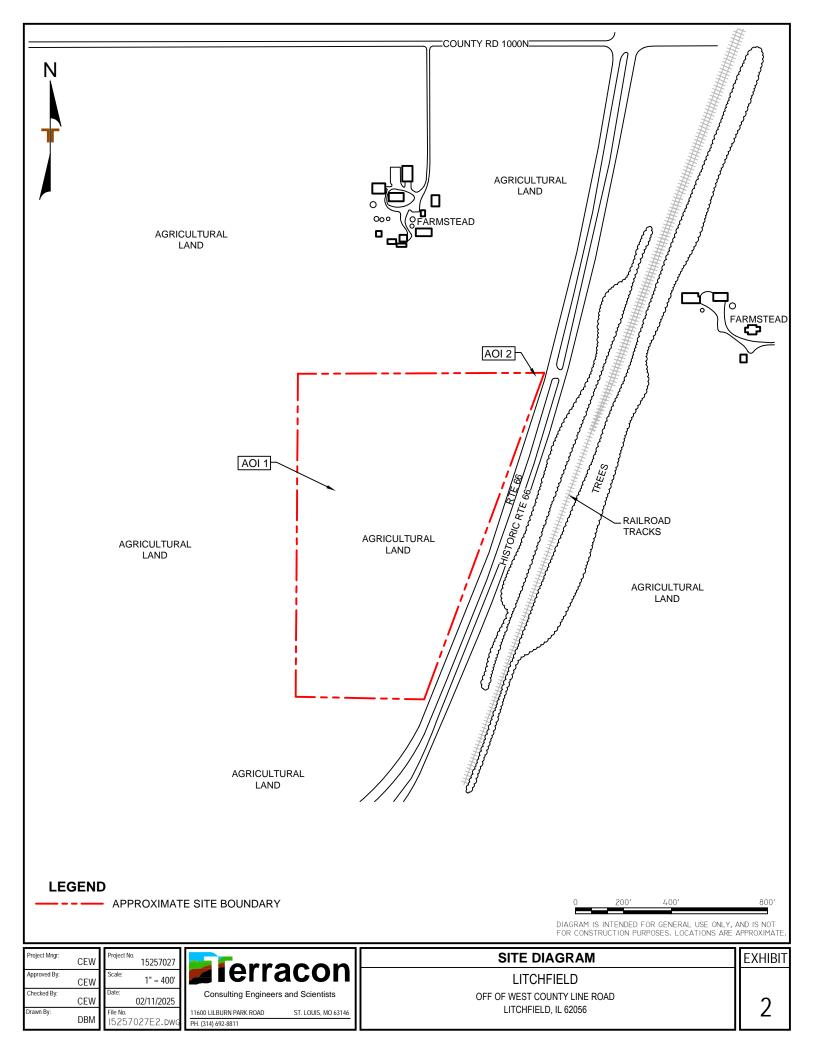
8.0 Declaration

I, Tracie A. Ragland, declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in Section 312.10 of 40 CFR 312; and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the site. I have developed and performed the All Appropriate Inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Tracie Ragland

Tracie A. Ragland Senior Scientist APPENDIX A EXHIBIT 1: TOPOGRAPHIC MAP EXHIBIT 2: SITE DIAGRAM





APPENDIX B

SITE PHOTOGRAPHS



Photo 1: View of the site, facing north



Photo 2: View of the site, facing east



Photo 3: View of the site, facing south



Photo 4: View of the site, facing west



Photo 5: View of the site, facing southwest with wetland delineation flag markers



Photo 6: Drainage area in northwestern portion of the site





Photo 7: North adjoining property



Photo 8: East adjoining property along Route 66



Photo 9: South adjoining property



Photo 10: West adjoining property

APPENDIX C

HISTORICAL DOCUMENTATION AND USER QUESTIONNAIRE

ASTM E1527-21 User Questionnaire



Date Completed:	01/30/2025		
Person Completing	Name:	Phone: 862-354-2739	
Questionnaire	Company: Carson Power	Email: kfurth@carson-power.com	
Site Name	Litchfield Solar		
Site Address	Off of West County Line Road, Montgomery	County, Town of South Litchfield, Illinois	
Point of Contact for Access	Name: Kayleigh Furth Company: Carson Power	Phone: 862-354-2739 Email:kfurth@carson-power.com	
Access Restrictions or Special Site Requirements?	✓NoYes (If yes, please explain)		
Confidentiality Requirements?	✓_NoYes (If yes, please explain)		
Current Site Owner	Name: Steven Grosenheider Company: NA	Phone: +1 (217) 556-7548 Email: sgrosenheider71@gmail.com	
Current Site Operator	Name: NA Company: NA	Phone: NA Email: _{NA}	
Reasons for ESA (e.g., financing, acquisition, lease, etc.)	Community solar facility development, and fut	ire financing	
Anticipated Future Site Use	Community Solar Facility Operation		
Relevant Documents?		ase I or II ESAs, Asbestos Surveys, Environmental Permits or Audit uments, Geotechnical Investigations, Site Surveys, Diagrams or Maps,	
To qualify for one of the <i>Landowner Liability Protections (LLPs</i>) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the <i>Brownfields Amendments</i>), the user must respond to the following inquiries required by 40 C.F.R. §§ 312.25, 312.28, 312.29, 312.30, and 312.31. These inquiries must also be conducted by EPA Brownfield Assessment and Characterization grantees. The user should provide the following information to the <i>environmental professional</i> . Failure to conduct these inquiries could result in a determination that " <i>all appropriate</i> inquiries" is not complete. 1) Did a search of land title records (or judicial records where appropriate) identify any environmental liens filed or recorded against the site under federal, tribal, state, or local law (40 CFR 312.25)? 2) Did a search of land title records (or judicial records where appropriate) identify any activity and use limitations (AULs), such as engineering controls, land use restrictions, or institutional controls that are in place at the site and/or have been filed or recorded against the site under federal, tribal, state, or local law (40 CFR 312.26)? 3) Do you have any specialized knowledge or experience related to the site or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the site or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business (40 CFR 312-28)? 3) Do you have any specialized knowledge or experience related to 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 site? NoYesNo applicable (If yes or Not applicable, explain below) 5) Are you aware of commonly known or reasonably ascertainable information about the site that would help the environmental professional to identify conditions indicative of releas			
the site (40 CFR 312.31)? No Yes (If yes, explain below <u>Comments or explanations:</u>	erience related to the site, are there any obviou	us indicators that point to the presence or likely presence of releases at	

Litchfield West County Line Road Litchfield, IL 62056

Inquiry Number: 7885179.4 January 30, 2025

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	Торо	Мар	Report
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Site Name:

Client Name:

Litchfield West County Line Road Litchfield, IL 62056 EDR Inquiry # 7885179.4 Terracon 15620 W. 113th Street Lenexa, KS 66219 Contact: Marci Brockett



01/30/25

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

P.O.# NA Latitude: 39.141143 39° 8' 28" North Project: 15257027 Longitude: -89.672341 -89° 40' 20" West UTM Zone: Zone 16 North UTM Zone: 20940.56 UTM Y Meters: 269040.56 UTM Zone: 684.00' above sea level Maps Provided:	Search Results:		Coordinates:	Coordinates:		
Integration UTM Zone: Zone 16 North UTM X Meters: 269040.56 UTM Y Meters: 4335840.82 Elevation: 684.00' above sea level Maps Provided: 2021 2021 2018 2015 2012 1974 1944	P.O.#	NA	Latitude:	39.141143 39° 8' 28" North		
UTM Zone: Zone 16 North UTM X Meters: 269040.56 UTM Y Meters: 4335840.82 Elevation: 684.00' above sea level 844.00' above sea level 2021 2018 2015 2012 1974 1944	Project:	15257027	Longitude:	-89.672341 -89° 40' 20" West		
UTM Y Meters: 4335840.82 Bevation: 684.00' above sea level 2021	-		UTM Zone:	Zone 16 North		
Elevation: 684.00' above sea level 2021			UTM X Meters:	269040.56		
Maps Provided: 2021 2018 2015 2012 1974 1944			UTM Y Meters:	4335840.82		
2021 2018 2015 2012 1974 1944			Elevation:	684.00' above sea level		
2018 2015 2012 1974 1944	Maps Provid	led:				
2015 2012 1974 1944	2021					
2012 1974 1944	2018					
1974 1944	2015					
1944	2012					
	1974					
1915	1944					
	1915					

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Topo Sheet Key

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

2021 Source Sheets



Litchfield 2021 7.5-minute, 24000



Mount Olive 2021 7.5-minute, 24000

2018 Source Sheets



2018

Litchfield 7.5-minute, 24000



Mount Olive 2018 7.5-minute, 24000

2015 Source Sheets



Litchfield 2015 7.5-minute, 24000



Mount Olive 2015 7.5-minute, 24000

2012 Source Sheets



Litchfield 2012 7.5-minute, 24000



Mount Olive 2012 7.5-minute, 24000

Topo Sheet Key

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

1974 Source Sheets



Mount Olive 1974 7.5-minute, 24000 Aerial Photo Revised 1973

1944 Source Sheets



Mount Olive 1944 15-minute, 62500

1915 Source Sheets

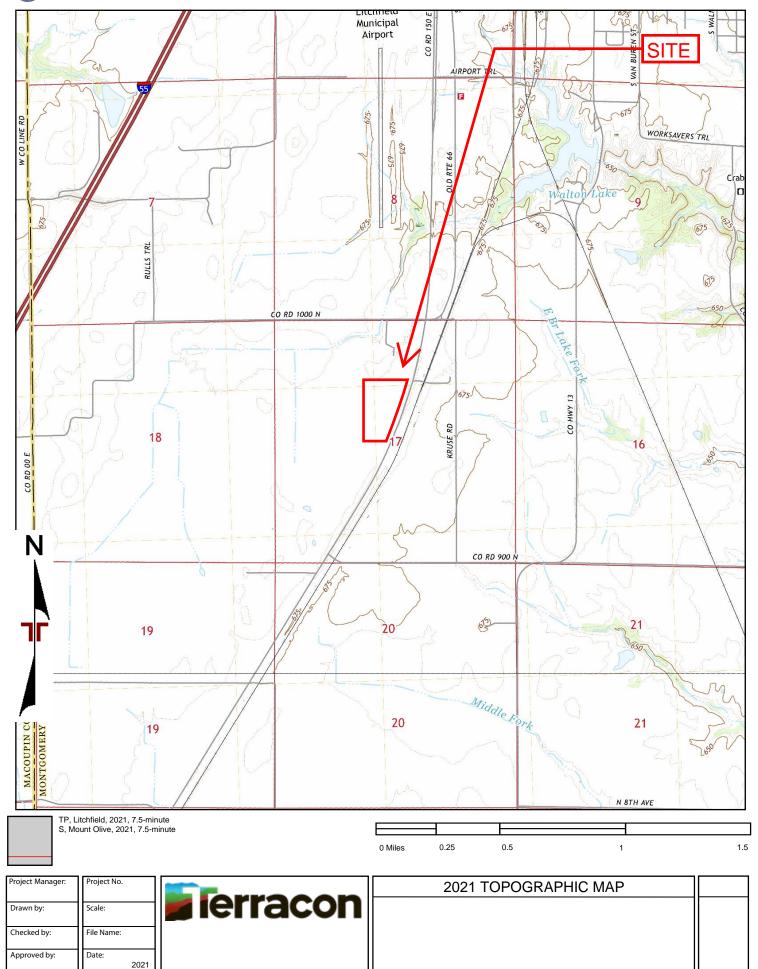


Mount Olive 1915 15-minute, 62500



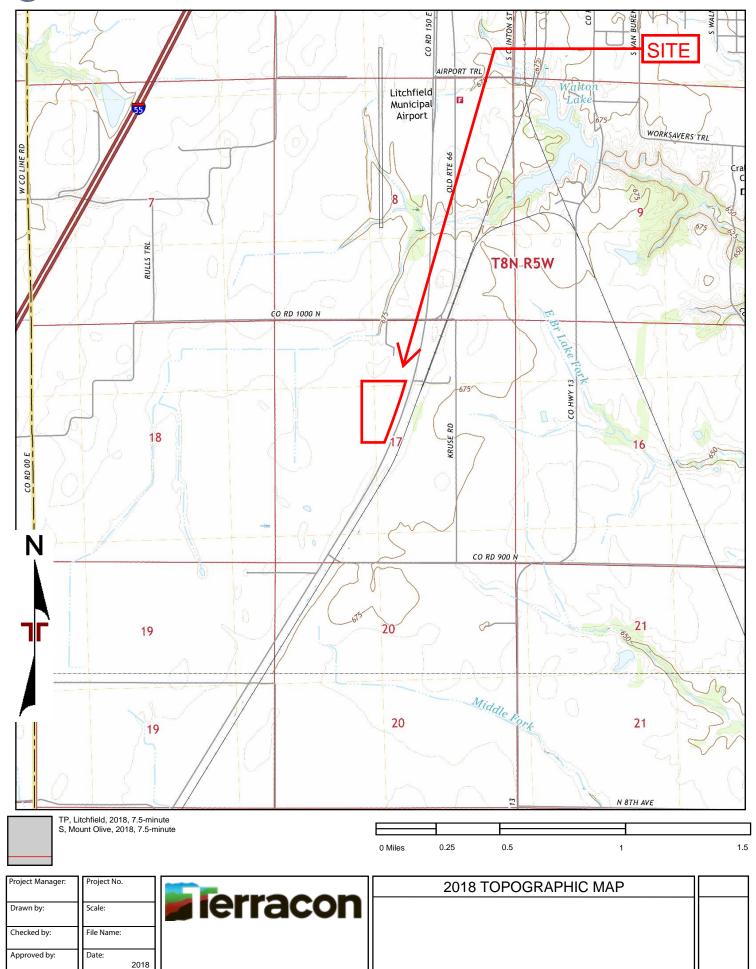
Litchfield 1974 7.5-minute, 24000 Aerial Photo Revised 1973



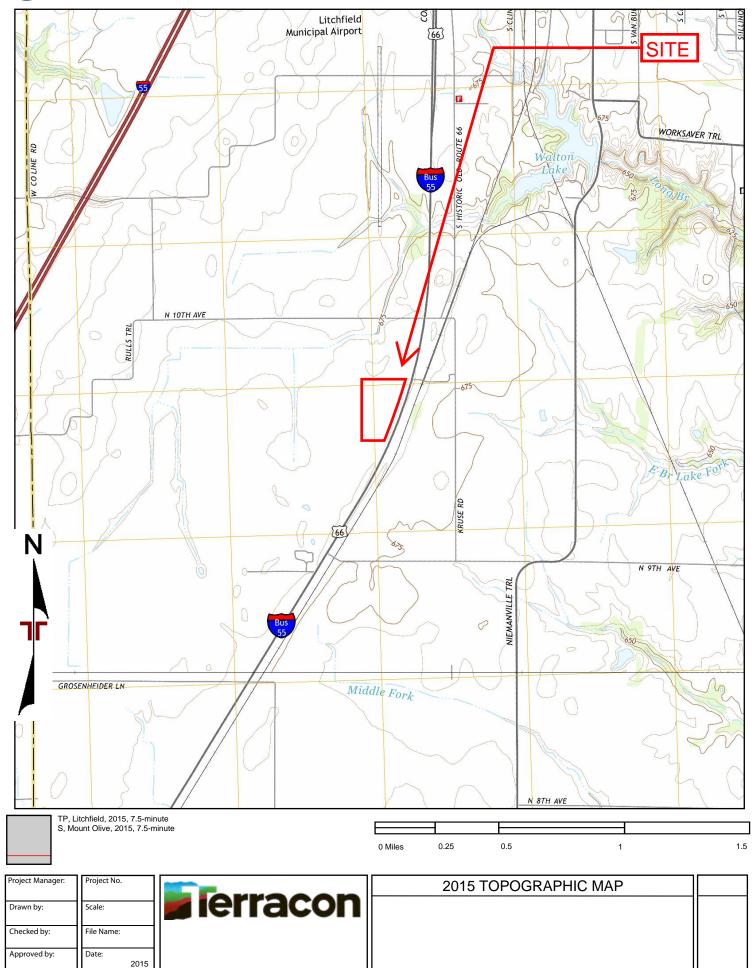


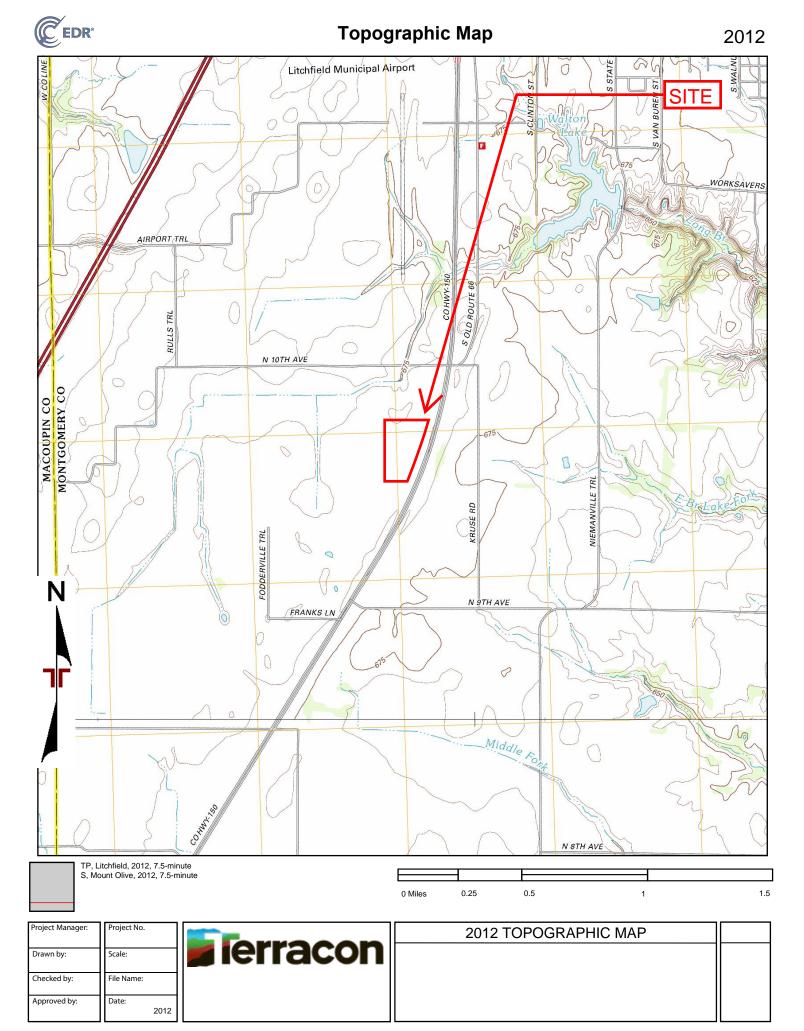


Topographic Map



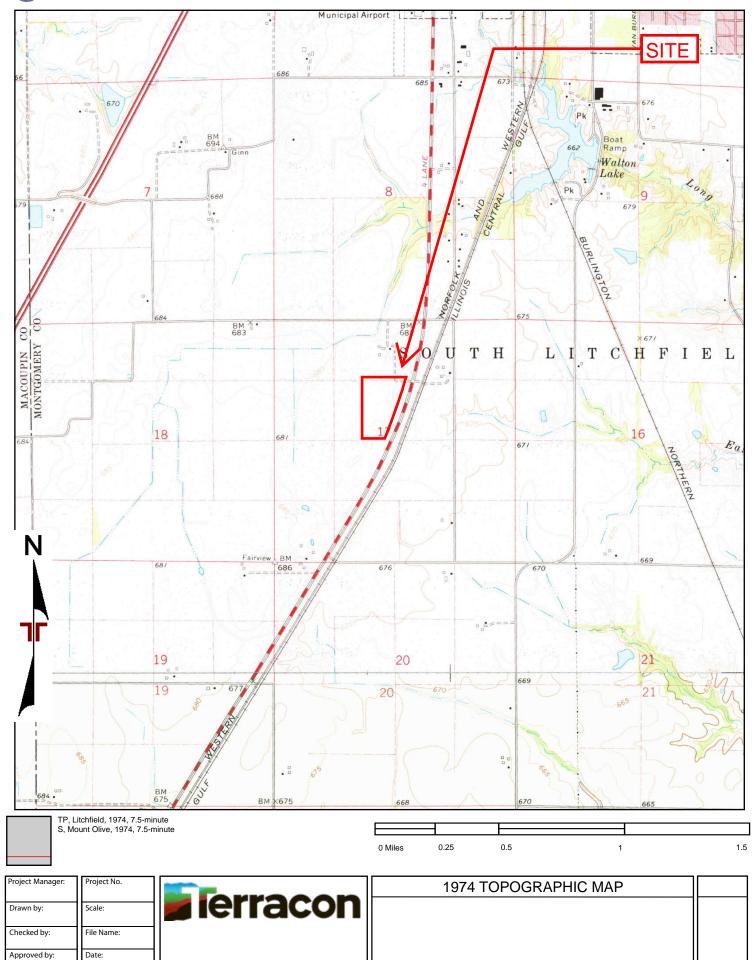


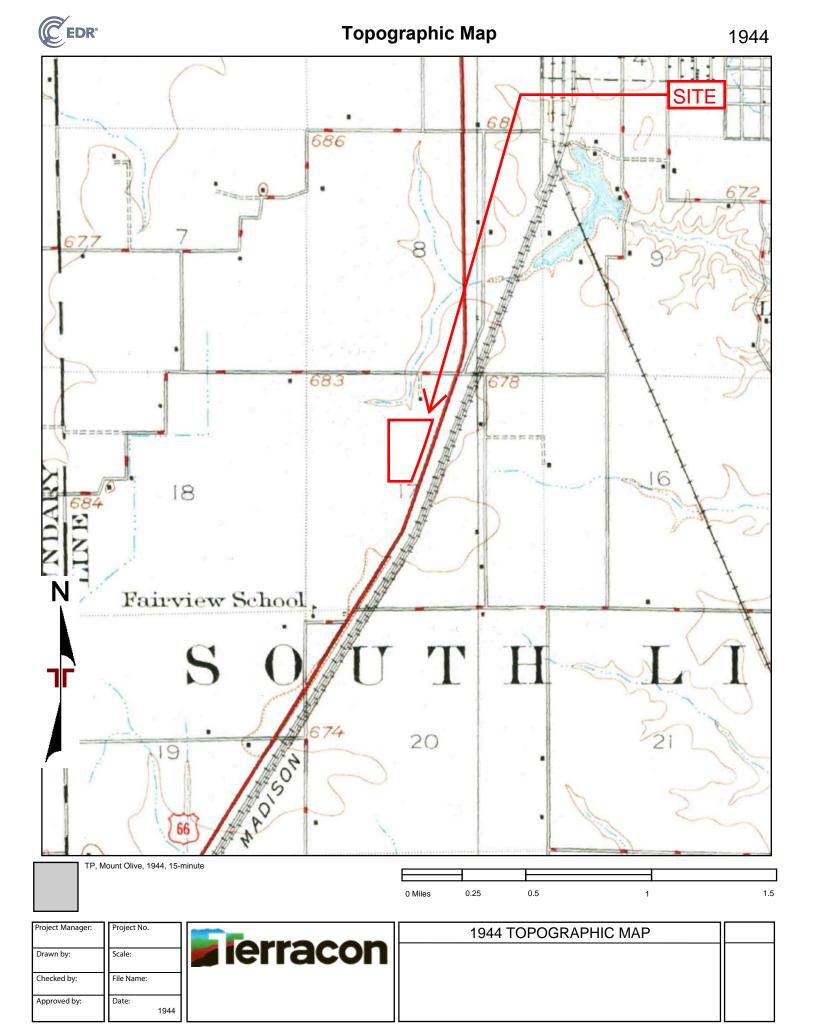




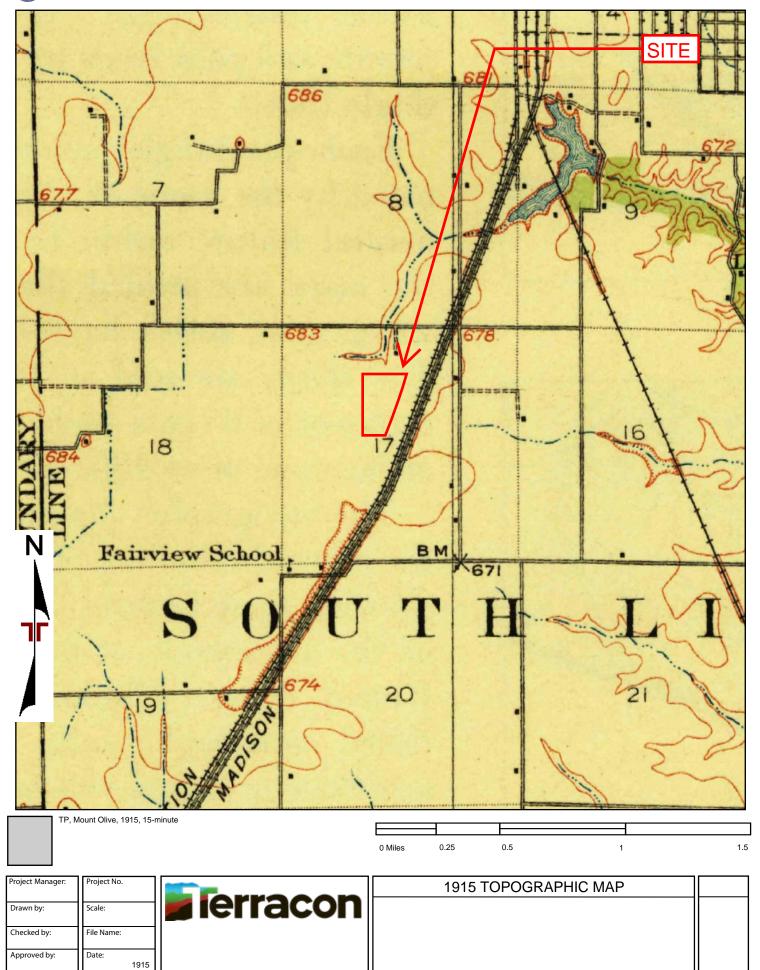


1974









Litchfield

West County Line Road Litchfield, IL 62056

Inquiry Number: 7885179.8 January 31, 2025

The EDR Aerial Photo Decade Package



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

EDR Aerial Photo Decade Package

Site Name:

Client Name:

01/31/25

Litchfield West County Line Road Litchfield, IL 62056 EDR Inquiry # 7885179.8 Terracon 15620 W. 113th Street Lenexa, KS 66219 Contact: Marci Brockett



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

Search Results:

Year	Scale	Details	Source	
2019	1"=500'	Flight Year: 2019	USDA/NAIP	
2015	1"=500'	Flight Year: 2015	USDA/NAIP	
2012	1"=500'	Flight Year: 2012	USDA/NAIP	
2009	1"=500'	Flight Year: 2009	USDA/NAIP	
2006	1"=500'	Flight Year: 2006	USDA/NAIP	
1998	1"=500'	Acquisition Date: January 01, 1998	USGS/DOQQ	
1993	1"=500'	Acquisition Date: January 01, 1993	USGS/DOQQ	
1986	1"=500'	Flight Date: March 21, 1986	USGS	
1976	1"=500'	Flight Date: May 04, 1976	USGS	
1973	1"=500'	Flight Date: February 22, 1973	USGS	
1956	1"=500'	Flight Date: April 04, 1956	USGS	
1938	1"=500'	Flight Date: October 21, 1938	USDA	

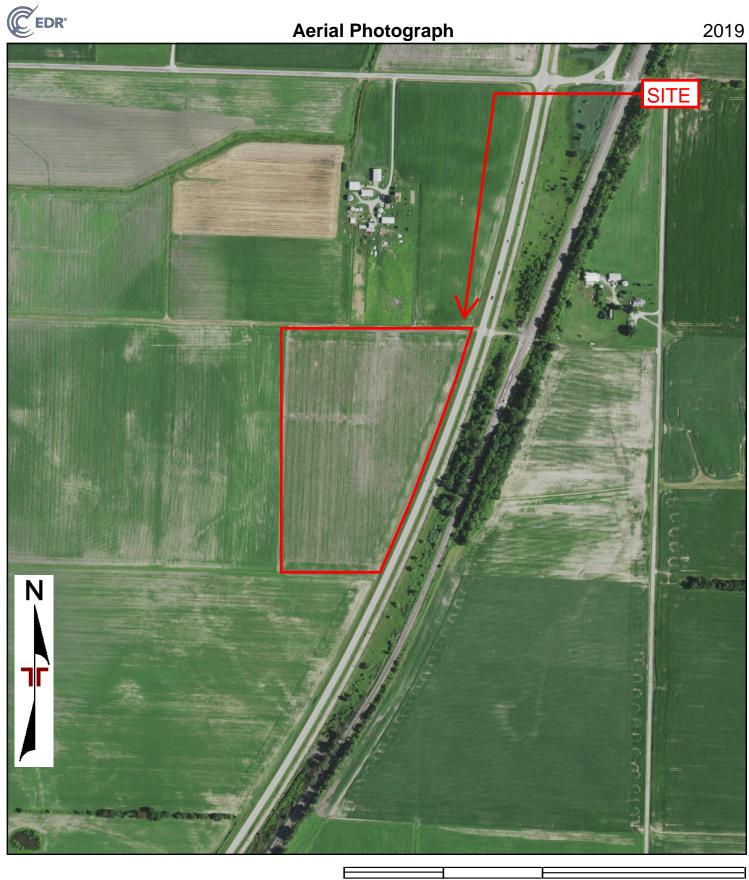
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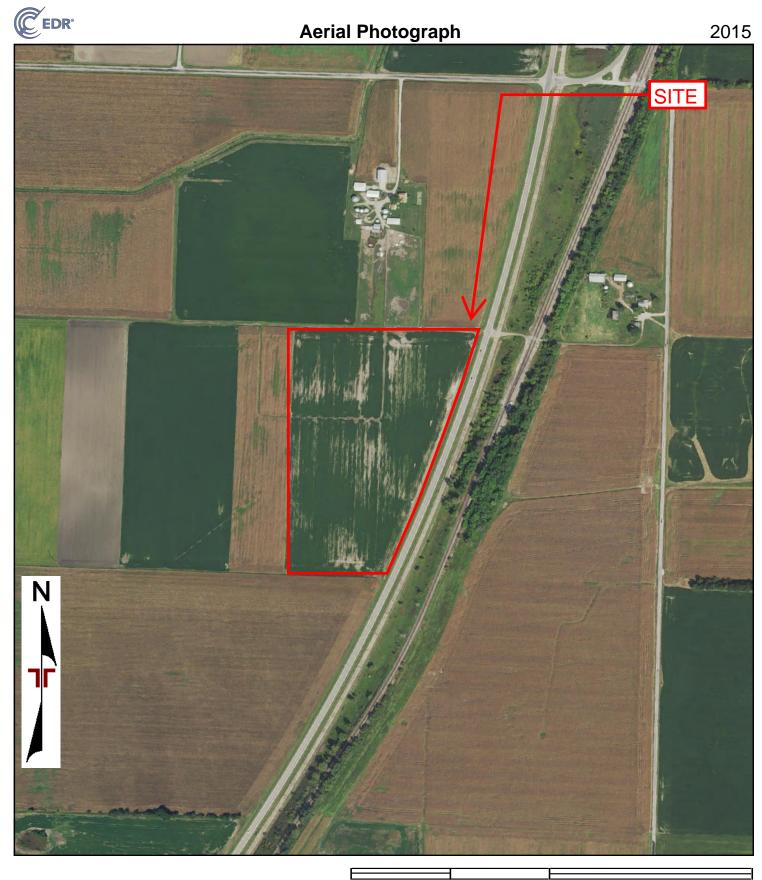
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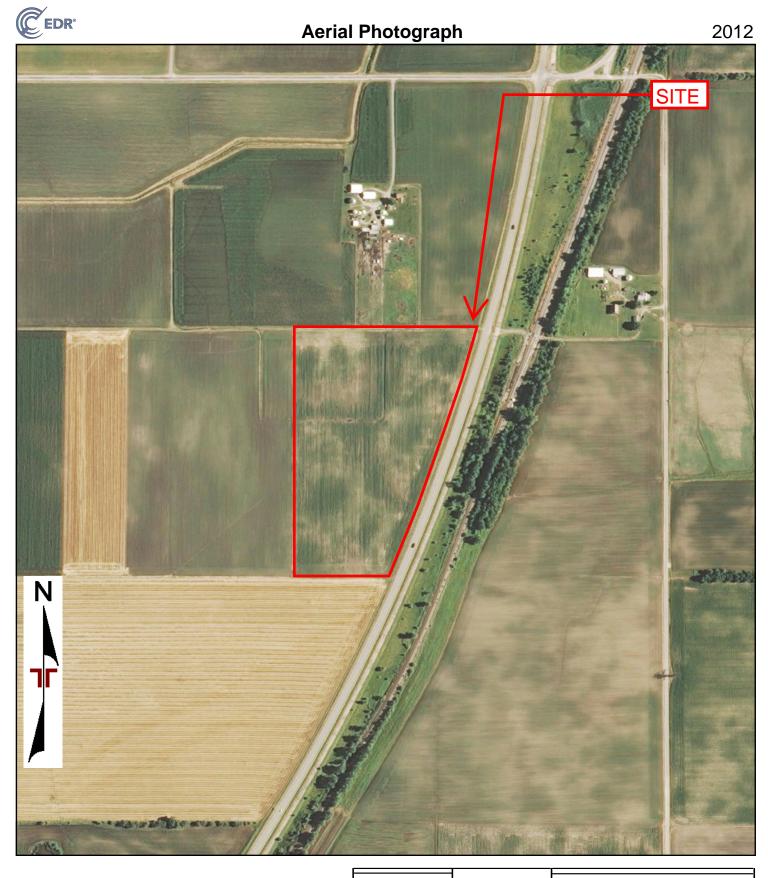
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Checked By:	File Name:					
Approved By:	Date: 2019					



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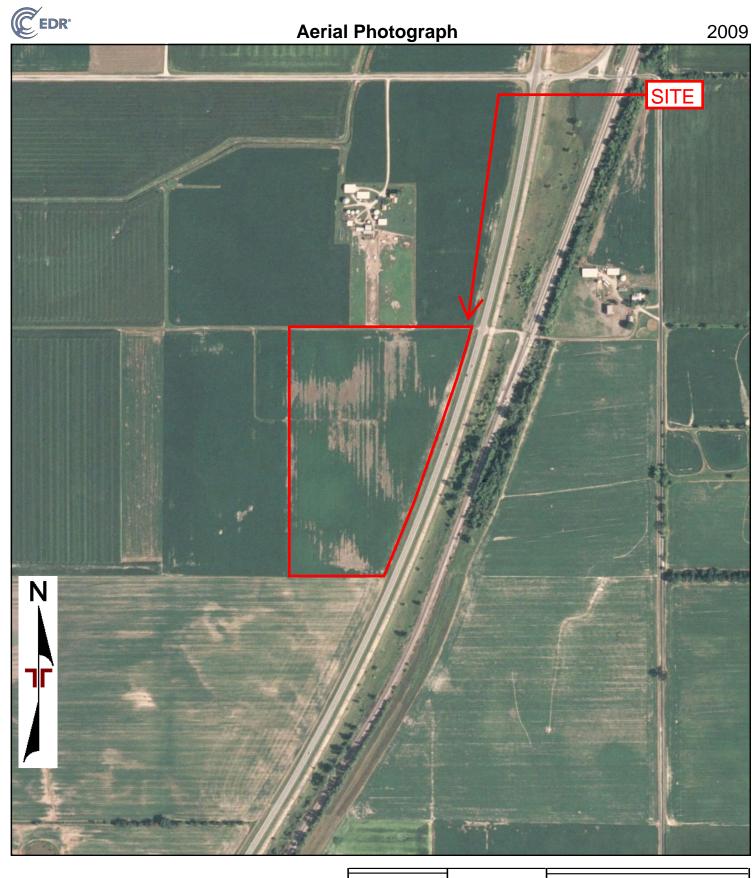


 Project Manager:
 Project No:
 2000

 Drawn By:
 Scale:
 2012 AERIAL PHOTOGRAPH

 Checked By:
 File Name:
 100

 Approved By:
 Date:
 2012



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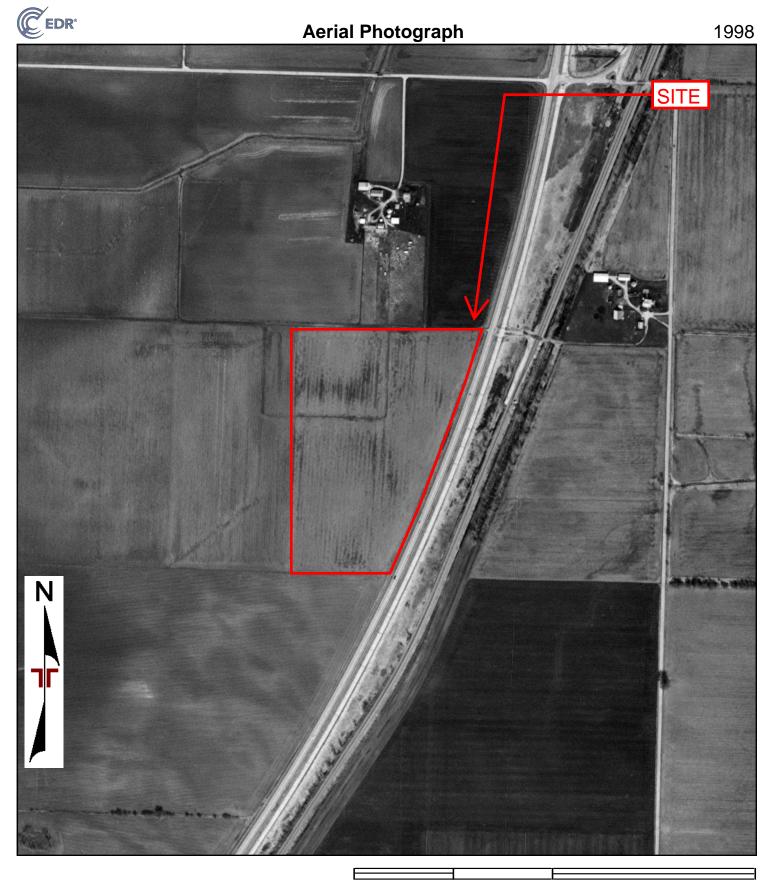
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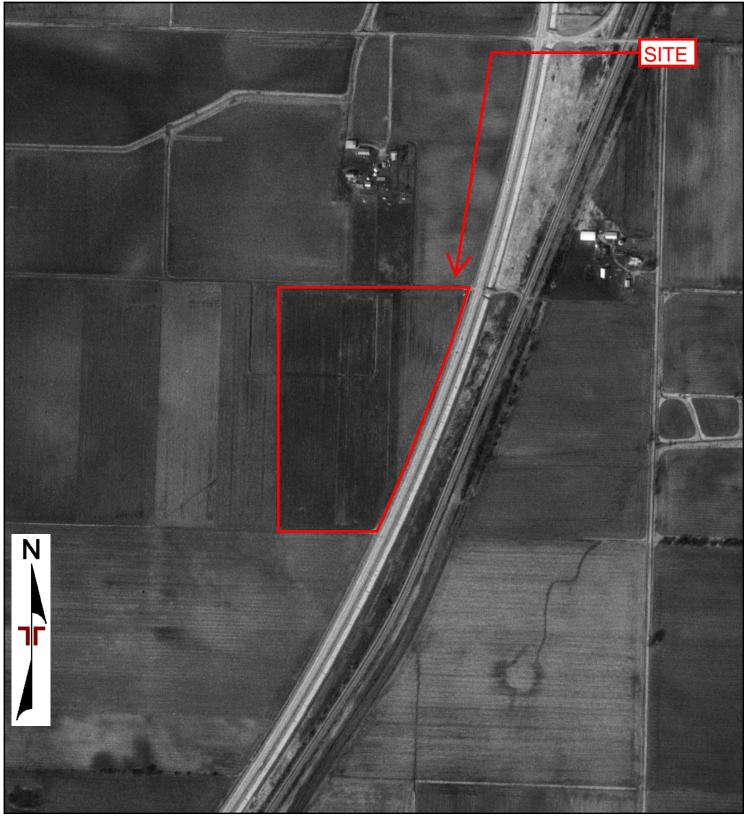
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Approved By:	Date:					
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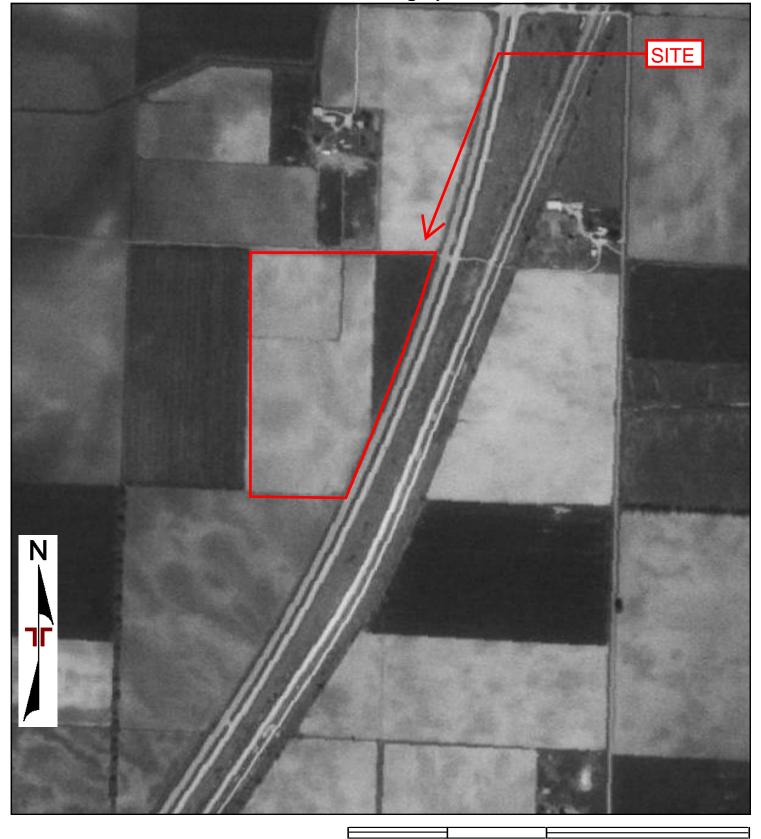


Project Manager:

Drawn By:

Checked By:

Approved By:



 Project No:
 Scale:
 1976 AERIAL PHOTOGRAPH
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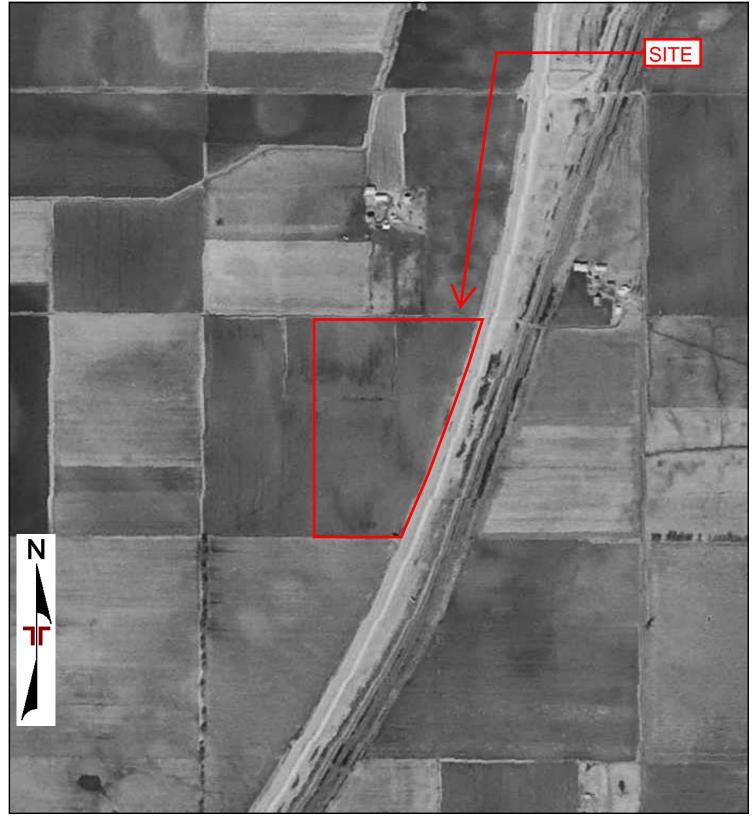
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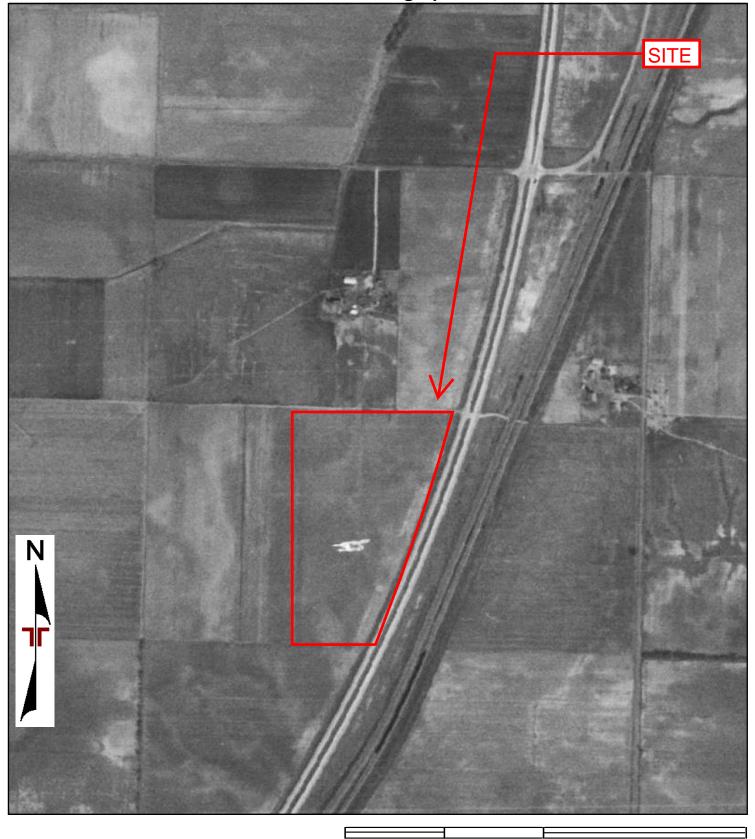
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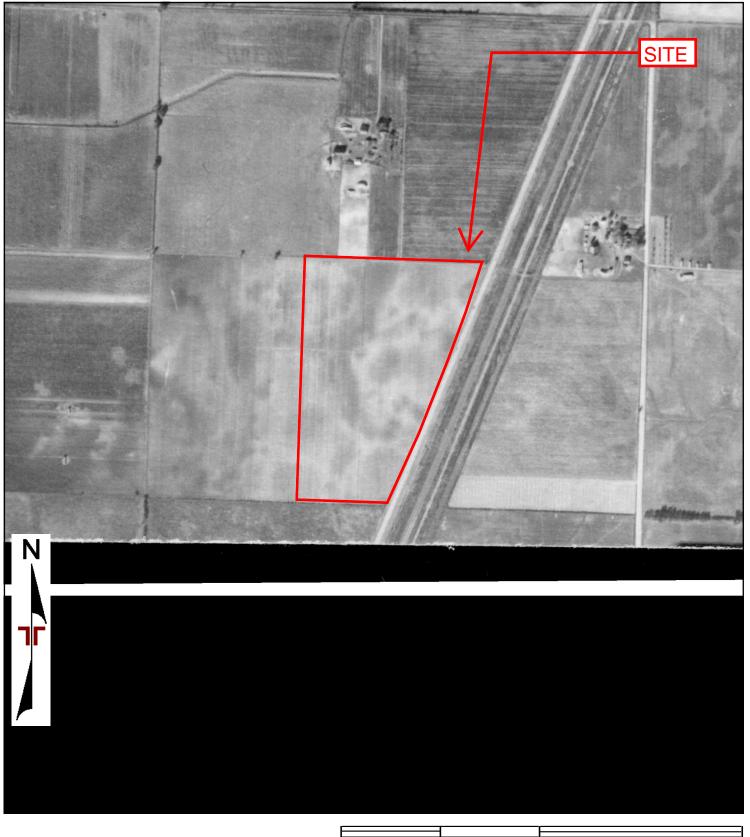
 Project Manager.
 Project No:
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 Drawn By:
 Scale:
 1956 AERIAL PHOTOGRAPH

 Checked By:
 File Name:
 1956

 Approved By:
 Date:
 1956





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Project Manager:	Project No:		1	938 AERIAL PI	HOTOGRAPH	
Drawn By:	Scale:	derracon				
Checked By:	File Name:					
Approved By:	Date: 1938					

Litchfield West County Line Road Litchfield, IL 62056

Inquiry Number: 7885179.5 February 03, 2025

The EDR-City Directory Image Report



6 Armstrong Road Shelton, CT 06484 800.352.0050 www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

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EXECUTIVE SUMMARY

DESCRIPTION

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

RECORD SOURCES

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

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RESEARCH SUMMARY

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

<u>Year</u>	<u>Target Street</u>	Cross Street	<u>Source</u>
2020	\checkmark		EDR Digital Archive
2017	\checkmark		ColeInformation
2014	\checkmark		Cole Information
2010	\checkmark		Cole Information
2005	\checkmark		ColeInformation
2000	\checkmark		Cole Information
1995			ColeInformation
1992			City Directory
1986			Haines Criss-Cross Directory
1981			Haines Criss-Cross Directory
1976			Haines Criss-Cross Directory
1966			Johnson Publishing Co
1961			Johnson Publishing Co

FINDINGS

TARGET PROPERTY STREET

West County Line Road Litchfield, IL 62056

<u>Year</u>	<u>CD Image</u>	<u>Source</u>	
FRANKS LN			
2020	pg A1	EDR Digital Archive	
2017	pg A5	ColeInformation	
2014	pg A8	Cole Information	
2010	pg A12	Cole Information	
2005	pg A16	Cole Information	
2000	pg A20	Cole Information	
1995	-	Cole Information	Target and Adjoining not listed in Source
1992	-	City Directory	Street not listed in Source
1986	-	Haines Criss-Cross Directory	Street not listed in Source
1981	-	Haines Criss-Cross Directory	Street not listed in Source
1976	-	Haines Criss-Cross Directory	Street not listed in Source
1966	-	Johnson Publishing Co	Street not listed in Source
1961	-	Johnson Publishing Co	Street not listed in Source

KRUSE RD

2020	pg A2	EDR Digital Archive	
2017	pg A6	ColeInformation	
2014	pg A9	ColeInformation	
2010	pg A13	Cole Information	
2005	pg A17	Cole Information	
2000	pg A21	Cole Information	
1995	-	Cole Information	Target and Adjoining not listed in Source
1992	-	City Directory	Street not listed in Source
1986	-	Haines Criss-Cross Directory	Street not listed in Source
1981	-	Haines Criss-Cross Directory	Street not listed in Source
1976	-	Haines Criss-Cross Directory	Street not listed in Source
1966	-	Johnson Publishing Co	Street not listed in Source

FINDINGS

<u>Year</u>	<u>CD Image</u>	Source				
1961	-	Johnson Publishing Co	Street not listed in Source			
<u>N 10TH AVE</u>						
2020	pg A3	EDR Digital Archive				
2017	pg A7	ColeInformation				
2014	pg A10	ColeInformation				
2010	pg A14	ColeInformation				
2005	pg A18	ColeInformation				
2000	pg A22	ColeInformation				
1995	-	ColeInformation	Targetand Adjoining notlisted in Source			
1992	-	City Directory	Street not listed in Source			
1986	-	Haines Criss-Cross Directory	Street not listed in Source			
1981	-	Haines Criss-Cross Directory	Street not listed in Source			
1976	-	Haines Criss-Cross Directory	Street not listed in Source			
1966	-	Johnson Publishing Co	Street not listed in Source			
1961	-	Johnson Publishing Co	Street not listed in Source			
W COUNTY LINE RD						
2020	pg A4	EDR Digital Archive				

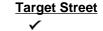
2020	pg A4	EDR Digital Archive	
2014	pg A11	ColeInformation	
2010	pg A15	ColeInformation	
2005	pg A19	ColeInformation	
2000	pg A23	ColeInformation	
1995	-	ColeInformation	Target and Adjoining not listed in Source
1992	-	City Directory	Street not listed in Source
1986	-	Haines Criss-Cross Directory	Street not listed in Source
1981	-	Haines Criss-Cross Directory	Street not listed in Source
1976	-	Haines Criss-Cross Directory	Street not listed in Source
1966	-	Johnson Publishing Co	Street not listed in Source
1961	-	Johnson Publishing Co	Street not listed in Source

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images



Cross Street

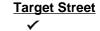
-

Source EDR Digital Archive

FRANKS LN 2020

13 CLARENCE NIEMANN OPHELIA NIEMANN

109 KEVIN KLIM



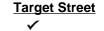
Cross Street

-

Source EDR Digital Archive

KRUSE RD 2020

9319 ERNEST LONGWELL JENNIFER LONGWELL WILLIAM ANGLIN

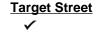


-

Source EDR Digital Archive

N 10TH AVE 2020

- 378 JOHN LEITSCHUH MARY LEITSCHUH
 1103 STEVEN GARTNER SUSAN GARTNER
- 1196 BRIAN LEITSCHUH DENELLE LEITSCHUH

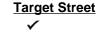


-

Source EDR Digital Archive

W COUNTY LINE RD 2020

13128	SHIRLEY ISLEY
	STACEY WHITE
13314	BONNIE HARTKE
14272	DALE VOLENTINE
	DONALD VOLENTINE
	PAMELA VOLENTINE
15055	GREENWALT EXCAVATING SVC
15300	KATIE BOWLES
17370	CALEB BEHME
	DANIEL BEHME
	JAKE BEHME
	LINDA BEHME

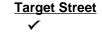


-

Source Cole Information

FRANKS LN 2017

- 13 NIEMANN, CLARENCE
- 109 KLIM, KEVIN

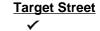


-

Source Cole Information

KRUSE RD 2017

9319 LONGWELL, ERNEST L

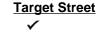


-

Source Cole Information

N 10TH AVE 2017

378 LEITSCHUH, JOHN J1103 GARTNER, STEVE A1196 LEITSCHUH, BRIAN J

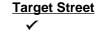


-

Source Cole Information

FRANKS LN 2014

- 13 NIEMANN, CLARENCE
- 109 OCCUPANT UNKNOWN,

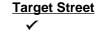


-

Source Cole Information

KRUSE RD 2014

- 9071 KRUSE, KEVIN L
- 9317 OCCUPANT UNKNOWN,
- 9319 LONGWELL, ERNEST L

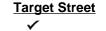


-

Source Cole Information

N 10TH AVE 2014

378 LEITSCHUH, JOHN J1103 GARTNER, STEVE A1196 MILLBURG, ESTHER L

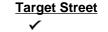


-

Source Cole Information

W COUNTY LINE RD 2014

13128 WHITE, STACEY L
13314 HARTKE, RICHARD B
14272 VOLENTINE, DON P
15300 BOOHER, BEN L
17370 BEHME, DANNIEL C

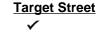


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Source Cole Information

FRANKS LN 2010

13 NIEMANN, CLARENCE

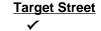


-

Source Cole Information

KRUSE RD 2010

9071 KRUSE, CHRISTY L 9319 MILLER, JENNY R

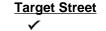


-

Source Cole Information

N 10TH AVE 2010

- 378 LEITSCHUH, JOHN J
- 1103 HENDERSON, CHARLES D
- 1196 MILLBURG, ALFRED S

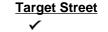


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Source Cole Information

W COUNTY LINE RD 2010

13128 WHITE, STACEY L
13314 HARTKE, RICHARD B
14272 VOLENTINE, DON P
15300 KELLEY, DANNY L
17370 BEHME, DANNIEL C

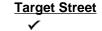


-

Source Cole Information

FRANKS LN 2005

13 NIEMANN, CLARENCE

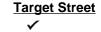


-

Source Cole Information

KRUSE RD 2005

- 9071 KRUSE, CHRISTY L
- 9317 WILSON, JEFF
- 9319 GROSENHEIDER, STEVE R

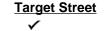


-

Source Cole Information

N 10TH AVE 2005

378 LEITSCHUH, JOHN J1196 MILLBURG, ALFRED S

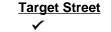


-

Source Cole Information

W COUNTY LINE RD 2005

13128 CAHILL, JERRY J14272 VOLENTINE, DON P15300 BOOHER, DANIEL L17370 BEHME, DANNIEL C

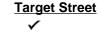


-

Source Cole Information

FRANKS LN 2000

13 NIEMANN, C

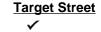


-

Source Cole Information

KRUSE RD 2000

- 9317 YOUNG, PAMELA
- 9319 GROSENHEIDER, STEVE

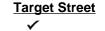


-

Source Cole Information

N 10TH AVE 2000

378 LEITSCHUH, JOHN1196 MILLBURG, ALFRED



-

Source Cole Information

W COUNTY LINE RD 2000

12733 SIES, EUGENE14272 VOLENTINE, DON17370 BEHME, DANNIEL C

Litchfield West County Line Road Litchfield, IL 62056

Inquiry Number: 7885179.3 January 30, 2025

Certified Sanborn® Map Report



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

01/30/25 Certified Sanborn® Map Report Site Name: Client Name: Litchfield Terracon 15620 W. 113th Street West County Line Road Litchfield, IL 62056 Lenexa, KS 66219 EDR Inquiry # 7885179.3 Contact: Marci Brockett

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

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

Certified Sanborn Results: Certification # 03C9-42D3-A068 PO# NA 15257027 Project

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.



Certification #: 03C9-42D3-A068

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
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University Publications of Ame	erica
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EDR Private Collection

The Sanborn Library LLC Since 1866™

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APPENDIX D

ENVIRONMENTAL DATABASE INFORMATION

Litchfield West County Line Road Litchfield, IL 62056

Inquiry Number: 7885179.2s February 03, 2025

The EDR Radius Map[™] Report with GeoCheck®



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

FORM-LBC-KXG

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Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

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Physical Setting Source Summary	A-2
Physical Setting Source Map	A-7
Physical Setting Source Map Findings	A-8
Physical Setting Source Records Searched	PSGR-1

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

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DATABASE ACRONYMS

Target Property Address: WEST COUNTY LINE ROAD LITCHFIELD, IL 62056

Click on Map ID to see full detail.

MAP ID SITE NAME

NO MAPPED SITES FOUND

ADDRESS

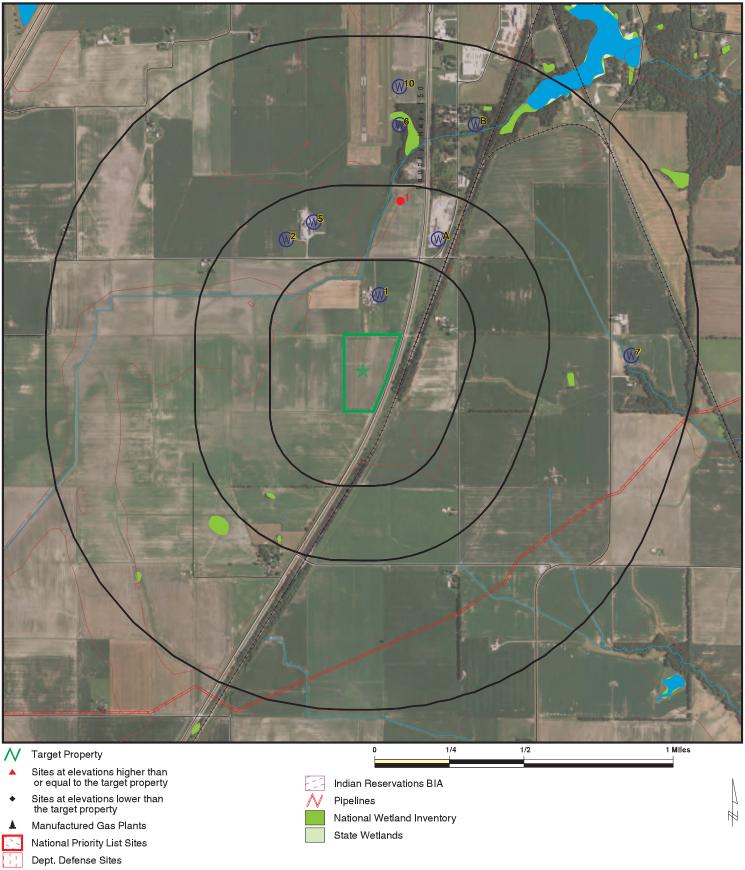
TC7885179.2s Page 1 of 1

DIST (ft. & mi.) DIRECTION

RELATIVE

ELEVATION

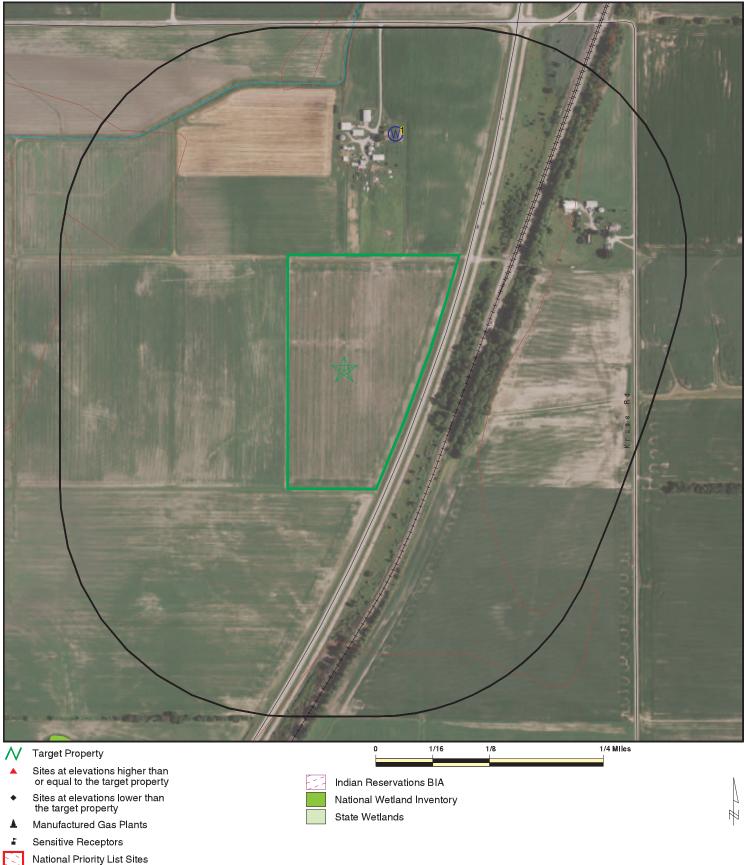
OVERVIEW MAP - 7885179.2S



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: Litchfield	CLIENT: Terracon
ADDRESS: West County Line Road	CONTACT: Marci Brockett
Litchfield IL 62056	INQUIRY #: 7885179.2s
LAT/LONG: 39.141143 / 89.672341	DATE: February 03, 2025 10:10 am

DETAIL MAP - 7885179.2S



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:	Litchfield	CLIENT:	Terracon
ADDRESS:	West County Line Road	CONTACT:	Marci Brockett
	Litchfield IL 62056	INQUIRY #:	7885179.2s
LAT/LONG:	39.141143 / 89.672341	DATE:	February 03, 2025 10:12 am

Dept. Defense Sites

Copyright © 2025 EDR, Inc. © 2015 TomTom Rel. 2015.

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMEN	TAL RECORDS							
Lists of Federal NPL (St	uperfund) site	S						
NPL Proposed NPL NPL LIENS	1.000 1.000 1.000		0 0 0	0 0 0	0 0 0	0 0 0	NR NR NR	0 0 0
Lists of Federal Delisted	d NPL sites							
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites su CERCLA removals and		rs						
FEDERAL FACILITY SEMS	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
Lists of Federal CERCL	A sites with N	FRAP						
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA f undergoing Corrective								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA	SD facilities							
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA g	enerators							
RCRA-LQG RCRA-SQG RCRA-VSQG	0.250 0.250 0.250		0 0 0	0 0 0	NR NR NR	NR NR NR	NR NR NR	0 0 0
Federal institutional con engineering controls re								
LUCIS US ENG CONTROLS US INST CONTROLS	0.500 0.500 0.500		0 0 0	0 0 0	0 0 0	NR NR NR	NR NR NR	0 0 0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
Lists of state- and tribal hazardous waste faciliti								
SSU	1.000		0	0	0	0	NR	0
Lists of state and tribal and solid waste dispose								
CCDD SWF/LF LF SPECIAL WASTE IL NIPC	0.500 0.500 0.500 0.500		0 0 0	0 0 0 0	0 0 0 0	NR NR NR NR	NR NR NR NR	0 0 0 0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted	
Lists of state and tribal	Lists of state and tribal leaking storage tanks								
LUST INDIAN LUST LUST TRUST	0.500 0.500 0.500		0 0 0	0 0 0	0 0 0	NR NR NR	NR NR NR	0 0 0	
Lists of state and tribal	registered sto	orage tanks							
FEMA UST UST AST INDIAN UST	0.250 0.250 0.250 0.250		0 0 0	0 0 0 0	NR NR NR NR	NR NR NR NR	NR NR NR NR	0 0 0 0	
State and tribal instituti control / engineering co		es							
ENG CONTROLS	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0	
Lists of state and tribal	voluntary clea	anup sites							
SRP INDIAN VCP	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0	
Lists of state and tribal	brownfield si	tes							
BROWNFIELDS	0.500		0	0	0	NR	NR	0	
ADDITIONAL ENVIRONME	NTAL RECORD	<u>s</u>							
Local Brownfield lists									
US BROWNFIELDS	0.500		0	0	0	NR	NR	0	
Local Lists of Landfill / Waste Disposal Sites	Solid								
INDIAN ODI DEBRIS REGION 9 ODI IHS OPEN DUMPS	0.500 0.500 0.500 0.500		0 0 0	0 0 0 0	0 0 0 0	NR NR NR NR	NR NR NR NR	0 0 0 0	
Local Lists of Hazardou Contaminated Sites	is waste /								
US HIST CDL CDL US CDL	TP TP TP		NR NR NR	NR NR NR	NR NR NR	NR NR NR	NR NR NR	0 0 0	
Local Land Records									
LIENS 2	TP		NR	NR	NR	NR	NR	0	
Records of Emergency	•	orts							
HMIRS SPILLS SPILLS 90	TP TP TP		NR NR NR	NR NR NR	NR NR NR	NR NR NR	NR NR NR	0 0 0	
Other Ascertainable Re	cords								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0	

SearchDistanceTargetDatabase(Miles)Property< 1/81/8 - 1/41/4 - 1/21/2 - 1> 1	Total Plotted
FUDS 1.000 0 0 0 0 NR	0
DOD 1.000 0 0 0 NR	Õ
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
2020 COR ACTION 0.250 0 0 NR NR NR	0
TSCA TP NR NR NR NR NR	0
TRIS TP NR NR NR NR NR	0
SSTS TP NR NR NR NR NR	0
ROD 1.000 0 0 0 NR	0
RMP TP NR NR NR NR NR NR RAATS TP NR NR NR NR NR NR	0
RAATS TP NR NR NR NR NR NR PRP TP NR NR NR NR NR NR NR	0 0
PADS TP NR NR NR NR NR NR	0
ICIS TP NR NR NR NR NR	0
FTTS TP NR NR NR NR NR	Ő
MLTS TP NR NR NR NR NR	Õ
COAL ASH DOE TP NR NR NR NR NR	0
COAL ASH EPA 0.500 0 0 0 NR NR	0
PCB TRANSFORMER TP NR NR NR NR NR	0
RADINFO TP NR NR NR NR NR	0
HIST FTTS TP NR NR NR NR NR	0
DOT OPS TP NR NR NR NR NR	0
CONSENT 1.000 0 0 0 0 NR	0
INDIAN RESERV 1.000 0 0 0 NR	0
FUSRAP 1.000 0 0 0 NR	0
UMTRA 0.500 0 0 0 NR NR LEAD SMELTERS TP NR NR NR NR NR NR	0
US AIRS TP NR NR NR NR NR NR NR NR	0 0
US MINES 0.250 0 0 NR NR NR	0
ABANDONED MINES 0.250 0 0 NR NR NR	0
MINES MRDS 0.250 0 0 NR NR NR	Ő
FINDS TP NR NR NR NR NR	0
UXO 1.000 0 0 0 0 NR	0
ECHO TP NR NR NR NR NR	0
DOCKET HWC TP NR NR NR NR NR	0
FUELS PROGRAM0.25000NRNR	0
PFAS NPL 0.250 0 0 NR NR NR	0
PFAS FEDERAL SITES 0.250 0 0 NR NR NR	0
PFAS TRIS 0.250 0 0 NR NR NR	0
PFAS TSCA 0.250 0 0 NR NR PFAS RCRA MANIFEST 0.250 0 0 NR NR NR	0
PFAS RCRA MANIFEST 0.250 0 0 NR NR PFAS ATSDR 0.250 0 0 NR NR NR	0 0
PFAS WQP 0.250 0 0 NR NR NR	0
PFAS NPDES 0.250 0 0 NR NR NR	Ő
PFAS PROJECT 0.250 0 0 NR NR NR	Ő
PFAS ECHO 0.250 0 0 NR NR NR	Õ
PFAS ECHO FIRE TRAIN 0.250 0 0 NR NR NR	0
PFAS PT 139 AIRPORT 0.250 0 0 NR NR NR	0
AQUEOUS FOAM NRC 0.250 0 0 NR NR	0
BIOSOLIDS TP NR NR NR NR NR	0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
UST FINDER	0.250		0	0	NR	NR	NR	0
UST FINDER RELEASE	0.500		0	0	0	NR	NR	0
E MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS	0.250		0	0	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
ASBESTOS	TP		NR	NR	NR	NR	NR	0
BOL	TP		NR	NR	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
HWAR	TP		NR	NR	NR	NR	NR	0
IMPDMENT	0.500		0	0	0	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
PIMW	0.250		0	0	NR	NR	NR	0
TIER 2	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICA	L RECORDS							
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERN	MENT ARCHI	/ES						
Exclusive Recovered Go	vt. Archives							
RGA HWS	TP		NR	NR	NR	NR	NR	0
RGA LF	TP		NR	NR	NR	NR	NR	0
RGALUST	TP		NR	NR	NR	NR	NR	0
								0
- Totals		0	0	0	0	0	0	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID Direction Distance Elevation Site MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

NO SITES FOUND

Count: 1 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
LITCHFIELD	U004319545	LITCHFIELD AIRPORT AUTHORITY	1201 US ROUTE 66 SOUTH P.O. BO	62056	UST

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
IL	AIRS	Air Inventory Listing	Illinois EPA	10/17/2024	10/22/2024	01/09/2025
IL	ASBESTOS	Asbestos Notification Tracker Information	Illinois EPA	10/17/2024	10/22/2024	01/09/2025
IL	AST	Above Ground Storage Tanks	State Fire Marshal	08/08/2024	08/13/2024	10/29/2024
IL	BOL	Bureau of Land Inventory Database	Illinois Environmental Protection Agency	10/16/2023	04/23/2024	07/16/2024
IL	BROWNFIELDS	Redevelopment Assessment Database	Illinois Environmental Protection Agency	10/15/2024	10/16/2024	01/03/2025
IL	BROWNFIELDS	Municipal Brownfields Redevelopment Grant Program Project De	Illinois Environmental Protection Agency	02/11/2010	07/31/2014	09/08/2014
IL	CCDD	Clean Construction or Demolition Debris	Illinois EPA	03/28/2024	07/02/2024	09/24/2024
IL	CDL	Meth Drug Lab Site Listing	Department of Public Health	09/26/2024	10/03/2024	12/17/2024
IL	COAL ASH	Coal Ash Site Listing	Illinois EPA	10/01/2011	03/09/2012	04/10/2012
IL	DRYCLEANERS	Illinois Licensed Drycleaners	Drycleaner Environmental Response Trust Fund	07/02/2024	08/12/2024	10/29/2024
IL	ENG CONTROLS	Sites with Engineering Controls	Illinois Environmental Protection Agency	09/23/2024	09/24/2024	12/09/2024
IL	FIN ASSURANCE	Financial Assurance Information Listing	Illinois Environmental Protection Agency	08/28/2024	09/12/2024	11/25/2024
IL	HWAR	Hazard Waste Annual Report	Illinois EPA	12/31/2019	05/11/2021	08/02/2021
IL	IEMA SPILLS	Illinois Emergency Management Agency Spills	Illinois Emergency Management Agency	10/21/2024	10/22/2024	01/09/2025
IL	IL NIPC	Solid Waste Landfill Inventory	Northeastern Illinois Planning Commission	08/01/1988	04/07/2022	07/01/2022
IL	IMPDMENT	Surface Impoundment Inventory	Illinois Waste Management & Research Center	12/31/1980	03/08/2002	06/03/2002
IL	Inst Control	Institutional Controls	Illinois Environmental Protection Agency	09/23/2024	09/24/2024	12/09/2024
IL	LF SPECIAL WASTE	Special Waste Site List	Illinois EPA	01/01/1990	06/17/2009	07/15/2009
IL	LF WMRC	Waste Management & Research Center Landfill Database	Department of Natural Resources	12/31/2001	10/06/2006	11/06/2006
IL	LUST	Leaking Underground Storage Tank Sites	Illinois Environmental Protection Agency	10/15/2024	10/16/2024	01/03/2025
IL	LUST TRUST	Underground Storage Tank Fund Payment Priority List	Illinois EPA	06/06/2016	07/27/2016	10/18/2016
IL	NPDES	A Listing of Active Permits	Illinois EPA	04/16/2014	04/18/2014	05/20/2014
IL	PFAS	PFAS Sampling Listing	Illinois Environmental Protection Agency	12/15/2023	12/27/2023	12/29/2023
IL	PIMW	Potentially Infectious Medical Waste	Illinois EPA	09/09/2024	09/11/2024	11/19/2024
IL	RGA HWS	Recovered Government Archive State Hazardous Waste Facilitie	Department of Natural Resources		07/01/2013	12/30/2013
IL	RGA LF	Recovered Government Archive Solid Waste Facilities List	Illinois Environmental Protection Agency		07/01/2013	01/10/2014
IL	RGA LUST	Recovered Government Archive Leaking Underground Storage Tan	Illinois Environmental Protection Agency		07/01/2013	12/30/2013
IL	SPILLS	State spills	Illinois EPA	09/11/2024	10/17/2024	01/06/2025
IL	SPILLS 90	SPILLS90 data from FirstSearch	FirstSearch	07/18/2012	01/03/2013	03/15/2013
IL	SRP	Site Remediation Program Database	Illinois Environmental Protection Agency	09/23/2024	09/24/2024	12/09/2024
IL	SSU	State Sites Unit Listing	Illinois Environmental Protection Agency	01/31/2024	01/31/2024	02/13/2024
IL	SWF/LF	Available Disposal for Solid Waste in Illinois - Solid Waste	Illinois Environmental Protection Agency	12/31/2023	10/16/2024	01/03/2025
IL	TIER 2	Tier 2 Information Listing	Illinois Emergency Management Agency	12/31/2023	05/07/2024	08/01/2024
IL	UIC	Underground Injection Wells	Illinois EPA	02/15/2024	05/22/2024	08/19/2024
IL	UST	Underground Storage Tank Facility List	Illinois State Fire Marshal	10/15/2024	10/16/2024	01/03/2025
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	09/30/2017	05/08/2018	07/20/2018
US	ABANDONED MINES	Abandoned Mines	Department of Interior	09/10/2024	09/11/2024	11/19/2024
US	AQUEOUS FOAM NRC	Aqueous Foam Related Incidents Listing	Environmental Protection Agency	12/30/2024	01/02/2025	01/10/2025
US	BIOSOLIDS	ICIS-NPDES Biosolids Facility Data	Environmental Protection Agency	10/13/2024	10/16/2024	10/23/2024
US	BRS	Biennial Reporting System	EPA/NTIS	12/31/2021	03/09/2023	03/20/2023
US	COAL ASH DOE	Steam-Electric Plant Operation Data	Department of Energy	12/31/2023	10/16/2024	01/14/2025
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	01/12/2017	03/05/2019	11/11/2019
	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	09/30/2024	10/09/2024	01/10/2025
	CORRACTS	Corrective Action Report	EPA	09/16/2024	09/17/2024	12/06/2024
	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009
US	DOCKET HWC	Hazardous Waste Compliance Docket Listing	Environmental Protection Agency	05/06/2021	05/21/2021	08/11/2021
	DOD	Department of Defense Sites	USGS	06/07/2021	07/13/2021	03/09/2022

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	DOT OPS	Incident and Accident Data	Department of Transporation, Office of Pipeli	10/04/2024	10/16/2024	12/06/2024
US	Delisted NPL	National Priority List Deletions	EPA	12/19/2024	01/02/2025	01/21/2025
US	E MANIFEST	Hazardous Waste Electronic Manifest System	Environmental Protection Agency	09/16/2024	09/17/2024	12/20/2024
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	12/21/2024	12/27/2024	01/10/2025
US	EDR Hist Auto	EDR Exclusive Historical Auto Stations	EDR, Inc.			
US	EDR Hist Cleaner	EDR Exclusive Historical Cleaners	EDR, Inc.			
US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
US	EPA WATCH LIST	EPA Watch List	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US	ERNS	Emergency Response Notification System	National Response Center, United States Coast	06/11/2024	06/17/2024	09/04/2024
US	FEDERAL FACILITY	Federal Facility Site Information listing	Environmental Protection Agency	11/20/2024	12/18/2024	12/20/2024
US	FEDLAND	Federal and Indian Lands	U.S. Geological Survey	04/02/2018	04/11/2018	11/06/2019
US	FEMA UST	Underground Storage Tank Listing	FEMA	08/12/2024	10/30/2024	01/14/2025
US	FINDS	Facility Index System/Facility Registry System	EPA	08/13/2024	08/20/2024	08/28/2024
	FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA/Office of Prevention, Pesticides and Toxi	04/09/2009	04/16/2009	05/11/2009
US	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA	04/09/2009	04/16/2009	05/11/2009
US	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	10/01/2024	11/12/2024	01/21/2025
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	11/08/2024	11/08/2024	01/14/2025
US	FUSRAP	Formerly Utilized Sites Remedial Action Program	Department of Energy	03/03/2023	03/03/2023	06/09/2023
US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	06/14/2024	06/17/2024	06/24/2024
US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	11/18/2016	11/23/2016	02/10/2017
US	IHS OPEN DUMPS	Open Dumps on Indian Land	Department of Health & Human Serivces, Indian	02/07/2024	11/13/2024	11/19/2024
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	05/07/2024	05/30/2024	08/28/2024
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	05/07/2024	05/30/2024	08/28/2024
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	05/07/2024	05/30/2024	08/28/2024
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	04/11/2024	05/30/2024	08/28/2024
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	05/07/2024	05/30/2024	08/28/2024
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	05/07/2024	05/30/2024	08/28/2024
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	05/07/2024	05/30/2024	08/28/2024
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	05/07/2024	05/30/2024	08/28/2024
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2014	07/14/2015	01/10/2017
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	05/14/2024	05/30/2024	08/28/2024
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	05/14/2024	05/30/2024	08/28/2024
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	05/14/2024	05/30/2024	08/28/2024
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	04/11/2024	05/30/2024	08/28/2024
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	05/14/2024	05/30/2024	08/28/2024
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	05/14/2024	05/30/2024	08/28/2024
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	05/14/2024	05/30/2024	08/28/2024
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	05/14/2024	05/30/2024	08/28/2024
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016
US	INDIAN VCP R7	Voluntary Cleanup Priority Lisitng	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	12/19/2024	01/02/2025	01/21/2025
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	12/19/2024	01/02/2025	01/21/2025
US	LUCIS	Land Use Control Information System	Department of the Navy	07/15/2024	07/17/2024	10/09/2024

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	MINES MRDS	Mineral Resources Data System	USGS	08/23/2022	11/22/2022	02/28/2023
US	MINES VIOLATIONS	MSHA Violation Assessment Data	DOL, Mine Safety & Health Admi	10/01/2024	10/02/2024	10/09/2024
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	10/12/2024	10/17/2024	11/19/2024
US	NPL	National Priority List	EPA	12/19/2024	01/02/2025	01/21/2025
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	PADS	PCB Activity Database System	EPA	07/01/2024	10/02/2024	01/10/2025
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	09/13/2019	11/06/2019	02/10/2020
US	PCS	Permit Compliance System	EPA, Office of Water	12/16/2016	01/06/2017	03/10/2017
US	PCS ENF	Enforcement data	EPA	12/31/2014	02/05/2015	03/06/2015
US	PFAS ATSDR	PFAS Contamination Site Location Listing	Department of Health & Human Services	06/24/2020	03/17/2021	11/08/2022
US	PFAS ECHO	Facilities in Industries that May Be Handling PFAS Listing	Environmental Protection Agency	12/30/2024	01/02/2025	01/10/2025
US	PFAS ECHO FIRE TRAIN	Facilities in Industries that May Be Handling PFAS Listing	Environmental Protection Agency	12/30/2024	01/02/2025	01/10/2025
US	PFAS FEDERAL SITES	Federal Sites PFAS Information	Environmental Protection Agency	12/30/2024	01/02/2025	01/10/2025
US	PFAS NPDES	Clean Water Act Discharge Monitoring Information	Environmental Protection Agency	12/30/2024	01/02/2025	01/14/2025
US	PFAS NPL	Superfund Sites with PFAS Detections Information	Environmental Protection Agency	12/30/2024	01/02/2025	01/10/2025
US	PFAS PROJECT	NORTHEASTERN UNIVERSITY PFAS PROJECT	Social Science Environmental Health Research	05/19/2023	04/05/2024	06/06/2024
US	PFAS PT 139 AIRPORT	All Certified Part 139 Airports PFAS Information Listing	Environmental Protection Agency	12/30/2024	01/02/2025	01/10/2025
US	PFAS RCRA MANIFEST	PFAS Transfers Identified In the RCRA Database Listing	Environmental Protection Agency	12/30/2024	01/02/2025	01/10/2025
US	PFAS TRIS	List of PFAS Added to the TRI	Environmental Protection Agency	12/30/2024	01/02/2025	01/10/2025
US	PFAS TSCA	PFAS Manufacture and Imports Information	Environmental Protection Agency	12/30/2024	01/02/2025	01/10/2025
US	PFAS WQP	Ambient Environmental Sampling for PFAS	Environmental Protection Agency	12/13/2024	01/02/2025	01/10/2025
US	PRP	Potentially Responsible Parties	EPA	09/19/2023	10/03/2023	10/19/2023
US	Proposed NPL	Proposed National Priority List Sites	EPA	12/19/2024	01/02/2025	01/21/2025
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RADINFO	Radiation Information Database	Environmental Protection Agency	07/01/2019	07/01/2019	09/23/2019
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	Environmental Protection Agency	09/16/2024	09/17/2024	12/06/2024
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	09/16/2024	09/17/2024	12/06/2024
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	09/16/2024	09/17/2024	12/06/2024
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	09/16/2024	09/17/2024	12/06/2024
US	RCRA-VSQG	RCRA - Very Small Quantity Generators (Formerly Conditionall	Environmental Protection Agency	09/16/2024	09/17/2024	12/06/2024
US	RMP	Risk Management Plans	Environmental Protection Agency	10/01/2024	10/23/2024	01/14/2025
US	ROD	Records Of Decision	EPA	10/24/2024	11/01/2024	11/19/2024
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	07/30/2021	02/03/2023	02/10/2023
US	SEMS	Superfund Enterprise Management System	EPA	12/19/2024	01/02/2025	01/21/2025
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	12/19/2024	01/02/2025	01/21/2025
US	SSTS	Section 7 Tracking Systems	EPA	10/15/2024	10/16/2024	01/14/2025
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2022	11/13/2023	02/07/2024
US	TSCA	Toxic Substances Control Act	EPA	12/31/2020	06/14/2022	03/24/2023
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	05/08/2024	08/14/2024	08/28/2024
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (EPA	10/12/2016	10/26/2016	02/03/2017
US	US AIRS MINOR	Air Facility System Data	EPA	10/12/2016	10/26/2016	02/03/2017
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	09/09/2024	09/11/2024	12/06/2024
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	05/20/2024	08/19/2024	10/09/2024
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	07/24/2024	08/08/2024	08/15/2024
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	09/16/2024	09/17/2024	12/20/2024
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	05/20/2024	08/19/2024	10/09/2024

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	US INST CONTROLS	Institutional Controls Sites List	Environmental Protection Agency	07/24/2024	08/08/2024	08/15/2024
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	08/06/2024	08/14/2024	08/15/2024
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	USGS	05/02/2024	08/20/2024	10/09/2024
US	US MINES 3	Active Mines & Mineral Plants Database Listing	USGS	04/14/2011	06/08/2011	09/13/2011
US	UST FINDER	UST Finder Database	Environmental Protection Agency	06/08/2023	10/04/2023	01/18/2024
US	UST FINDER RELEASE	UST Finder Releases Database	Environmental Protecton Agency	06/08/2023	10/31/2023	01/18/2024
US	UXO	Unexploded Ordnance Sites	Department of Defense	09/06/2023	09/13/2023	12/11/2023
СТ	CT MANIFEST	Hazardous Waste Manifest Data	Department of Energy & Environmental Protecti	11/04/2024	11/05/2024	01/27/2025
NJ	NJ MANIFEST	Manifest Information	Department of Environmental Protection	12/31/2018	04/10/2019	05/16/2019
NY	NY MANIFEST	Facility and Manifest Data	Department of Environmental Conservation	12/31/2019	11/30/2023	12/01/2023
PA	PA MANIFEST	Manifest Information	Department of Environmental Protection	06/30/2018	07/19/2019	09/10/2019
RI	RI MANIFEST	Manifest information	Department of Environmental Management	12/31/2020	11/30/2021	02/18/2022
WI	WI MANIFEST	Manifest Information	Department of Natural Resources	05/31/2018	06/19/2019	09/03/2019
US	AHA Hospitals	Sensitive Receptor: AHA Hospitals	American Hospital Association, Inc.			
US	Medical Centers	Sensitive Receptor: Medical Centers	Centers for Medicare & Medicaid Services			
US	Nursing Homes	Sensitive Receptor: Nursing Homes	National Institutes of Health			
US	Public Schools	Sensitive Receptor: Public Schools	National Center for Education Statistics			
US	Private Schools	Sensitive Receptor: Private Schools	National Center for Education Statistics			
IL	Daycare Centers	Sensitive Receptor: Homes & Centers Listing	Department of Children & Family Services			
US	Flood Zones	100-year and 500-year flood zones	Emergency Management Agency (FEMA)			
US	NWI	National Wetlands Inventory	U.S. Fish and Wildlife Service			
1	State Wetlands	Wetland Inventory	Illinois State Geological Survey			
US	Topographic Map	Current USGS 7.5 Minute Topographic Map	U.S. Geological Survey			
US	Oil/Gas Pipelines		Endeavor Business Media			
US	Electric Power Transmission Line D	Data	Endeavor Business Media			

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

LITCHFIELD WEST COUNTY LINE ROAD LITCHFIELD, IL 62056

TARGET PROPERTY COORDINATES

Latitude (North):	39.141143 - 39° 8' 28.11"
Longitude (West):	89.672341 - 89° 40' 20.43''
Universal Tranverse Mercator:	Zone 16
UTM X (Meters):	269034.6
UTM Y (Meters):	4335632.5
Elevation:	684 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	24212051 LITCHFIELD, IL
Version Date:	2021
South Map:	24212061 MOUNT OLIVE, IL
Version Date:	2021

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

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

- Groundwater flow direction, and
 Groundwater flow velocity.

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

GROUNDWATER FLOW DIRECTION INFORMATION

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

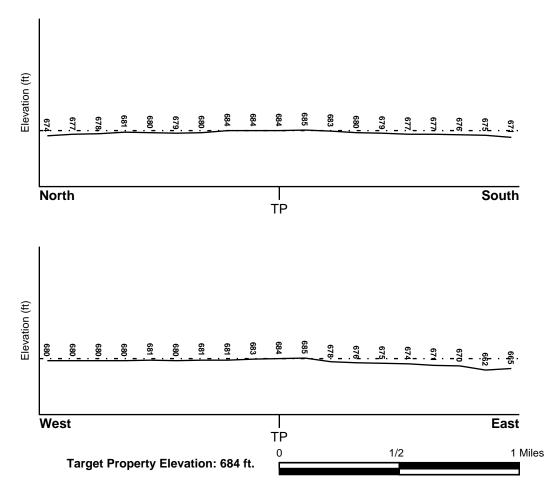
TOPOGRAPHIC INFORMATION

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

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General ESE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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

HYDROLOGIC INFORMATION

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

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

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
Not Reported	
Additional Panels in search area:	FEMA Source Type
Not Reported	
NATIONAL WETLAND INVENTORY	
NWI Quad at Target Property LITCHFIELD	NWI Electronic <u>Data Coverage</u> YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

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

Site-Specific Hydrogeological Data*:				
Search Radius:	1.25 miles			
Status:	Not found			

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.

MAP ID Not Reported LOCATION

FROM TP

GENERAL DIRECTION GROUNDWATER FLOW

GROUNDWATER FLOW VELOCITY INFORMATION

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

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

ROCK STRATIGRAPHIC UNIT

GEOLOGIC AGE IDENTIFICATION

Sequence

Era:	Paleozoic	Category:	Stratifed
System:	Pennsylvanian	0	
Series:	Missourian Series		
Code:	PP3 (decoded above as Era, System & Serie	es)	

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).

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. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name:	HERRICK
Soil Surface Texture:	silt loam
Hydrologic Group:	Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.
Soil Drainage Class:	Somewhat poorly. Soils commonly have a layer with low hydraulic conductivity, wet state high in profile, etc. Depth to water table is 1 to 3 feet.
Hydric Status: Soil does not meet the	requirements for a hydric soil.

Corrosion	Potential -	Uncoated Steel:	HIGH
-----------	-------------	-----------------	------

Depth to Bedrock Min:	> 60 inches
Depth to Bedrock Min:	> 60 inche

Depth to Bedrock Max: > 60 inches

Soil Layer Information							
	Bou	Indary		Classi	fication		
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	15 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 2.00 Min: 0.60	Max: 7.30 Min: 5.10
2	15 inches	35 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 0.60 Min: 0.20	Max: 6.00 Min: 4.50
3	35 inches	58 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.60 Min: 0.20	Max: 7.30 Min: 5.60
4	58 inches	62 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.60 Min: 0.20	Max: 8.40 Min: 5.60

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: silty clay loam

Surficial	Soil	Types:	silty	y clay loam

- Shallow Soil Types: silt loam
- Deeper Soil Types: silty clay loam clay loam

LOCAL / REGIONAL WATER AGENCY RECORDS

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

WELL SEARCH DISTANCE INFORMATION

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

FEDERAL USGS WELL INFORMATION

		LOCATION
MAP ID	WELL ID	FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

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

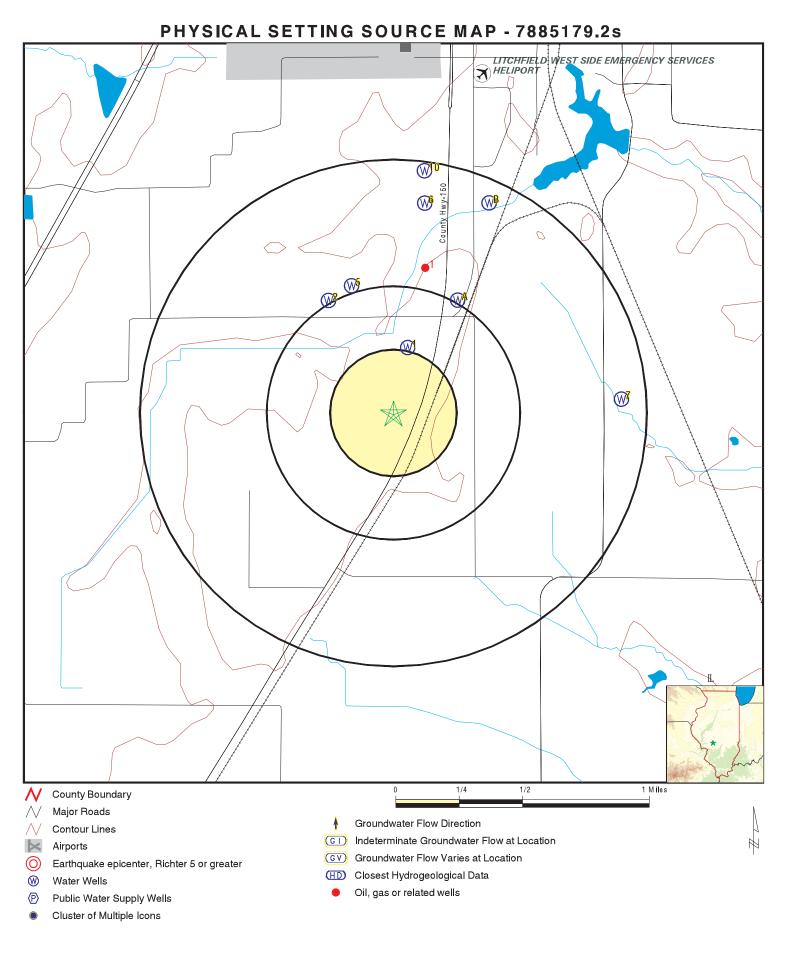
STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	ILSG40000261527	1/4 - 1/2 Mile NNE
2	ILSG40000261410	1/2 - 1 Mile NNW
A3	ILSG40000260866	1/2 - 1 Mile NNE
A4	ILSG40000261279	1/2 - 1 Mile NNE
5	ILSG40000261526	1/2 - 1 Mile NNW
6	ILSG40000259713	1/2 - 1 Mile North
7	ILSG40000261071	1/2 - 1 Mile East
B8	ILSG40000259872	1/2 - 1 Mile NNE
B9	ILSG40000261064	1/2 - 1 Mile NNE
10	ILSG40000259732	1/2 - 1 Mile North

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	ILOG30000135218	1/2 - 1 Mile NNE



SITE NAME ADDRESS: LAT/LONG:	West County Line Road	CLIENT: Terracon CONTACT: Marci Brockett INQUIRY #: 7885179.2s DATE: February 03, 2025 10:12 am
		Canadalata (* 2025 EDD) Ina (* 2015 Tana Tana Dali 2015

Map ID Direction Distance				
Elevation			Database	EDR ID Number
1 NNE 1/4 - 1/2 Mile Higher			IL WELLS	ILSG40000261527
WELLS SGS:				
Database: IL SWSP #: Date Drilled: Well Name: Elevation: Total Depth: Top of Formation (ft): Pump Flow (gpm): URL:	Water Well Records 475456 20131002050000 Not Reported 0 41 0 0 https://isgs-oas.isgs.illinois.ed	API #: Status: Farm Name: Driller: Elevation Reference: Lithologic Formation: Bottom of Formation (ft): du/reports/rwservlet?watersummary	Wate Not I Berg Not I Not I 0	352421500 er Well Reported J Well & Pump Reported Reported
2 NNW 1/2 - 1 Mile Higher			IL WELLS	ILSG40000261410
WELLS SGS:				
Database: IL SWSP #: Date Drilled: Well Name: Elevation: Total Depth: Top of Formation (ft): Pump Flow (gpm): URL:	Water Well Records 361696 20040709050000 1 0 42 11 0 https://isgs-oas.isgs.illinois.ed	API #: Status: Farm Name: Driller: Elevation Reference: Lithologic Formation: Bottom of Formation (ft): du/reports/rwservlet?watersummary	Wate 1 Walt Not Iaye 17	352405700 er Well ers, Steven Reported red sand
A3 NNE 1/2 - 1 Mile Higher			IL WELLS	ILSG40000260866

WELLS SGS:

Database:	Water Well Records	API #:	121352341300
IL SWSP #:	0	Status:	Water Well
Date Drilled:	19940616050000	Farm Name:	Not Reported
Well Name:	Not Reported	Driller:	Walters, Steven
Elevation:	0	Elevation Reference:	Not Reported
Total Depth:	36	Lithologic Formation:	gravelly clay/sand
Top of Formation (ft):	13	Bottom of Formation (ft):	36
Pump Flow (gpm):	0		
URL:	https://isgs-oas.isgs.illinois.edu	u/reports/rwservlet?watersummary&12	1352341300

Map ID Direction Distance Elevation			Database	EDR ID Number
A4 NNE 1/2 - 1 Mile Higher			IL WELLS	ILSG40000261279
WELLS SGS:				
Database: IL SWSP #: Date Drilled: Well Name: Elevation: Total Depth: Top of Formation (ft): Pump Flow (gpm): URL:	Water Well Records 314899 19991213060000 1 0 23 10 0 https://isgs-oas.isgs.illinois.ed	API #: Status: Farm Name: Driller: Elevation Reference: Lithologic Formation: Bottom of Formation (ft): du/reports/rwservlet?watersummary	Wate 1 Walt Not I sand 12	952392000 er Well ers, Steven Reported ly gravelly clay
5 NNW 1/2 - 1 Mile Higher			IL WELLS	ILSG40000261526
WELLS SGS:				
Database: IL SWSP #: Date Drilled: Well Name: Elevation: Total Depth: Top of Formation (ft): Pump Flow (gpm): URL:	Water Well Records 475457 20130709050000 Not Reported 0 49 0 0 0 https://isgs-oas.isgs.illinois.ed	API #: Status: Farm Name: Driller: Elevation Reference: Lithologic Formation: Bottom of Formation (ft): du/reports/rwservlet?watersummary	Wate Not I Berg Not I Not I 0	952421400 er Well Reported I Well & Pump Reported Reported
6 North 1/2 - 1 Mile Lower			IL WELLS	ILSG40000259713
WELLS SGS:				
Database: IL SWSP #:	Water Well Records	API #: Status:		350172800 er Well

- Database: IL SWSP #: Date Drilled: Well Name: Elevation: Total Depth: Top of Formation (ft): Pump Flow (gpm): URL:
- Status: Water Well 0 19710204060000 Farm Name: Not Reported Not Reported Driller: owner 0 Elevation Reference: Not Reported 23 Lithologic Formation: clay 0 Bottom of Formation (ft): 0 0 https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&121350172800

Map ID Direction				
Distance Elevation			Database	EDR ID Number
7 East 1/2 - 1 Mile Lower			IL WELLS	ILSG40000261071
WELLS SGS:				
Database: IL SWSP #: Date Drilled: Well Name: Elevation: Total Depth: Top of Formation (ft): Pump Flow (gpm): URL:	Water Well Records 0 19950322050000 Not Reported 0 47 12 0 https://isgs-oas.isgs.illinois.ed	API #: Status: Farm Name: Driller: Elevation Reference: Lithologic Formation: Bottom of Formation (ft): du/reports/rwservlet?watersummar	Wate Not I Walt Not I sand 35	852366700 er Well Reported ers, Steven Reported ly gravel & clay
B8 NNE 1/2 - 1 Mile Lower			IL WELLS	ILSG40000259872
WELLS SGS:				
Database: IL SWSP #: Date Drilled: Well Name: Elevation: Total Depth: Top of Formation (ft): Pump Flow (gpm): URL:	Water Well Records 0 19751121060000 Not Reported 0 40 39 0 https://isgs-oas.isgs.illinois.ed	API #: Status: Farm Name: Driller: Elevation Reference: Lithologic Formation: Bottom of Formation (ft): du/reports/rwservlet?watersummar	Wate Not I Link, Not I grav 40	
B9 NNE 1/2 - 1 Mile Lower			IL WELLS	ILSG40000261064
WELLS SGS:				
Database: IL SWSP #: Date Drilled: Well Name:	Water Well Records 0 19941018050000 Not Reported	API #: Status: Farm Name: Driller:	Wate Not I	352366000 er Well Reported nen, Clarence

Not Reported Driller: Kohnen, Clarence Elevation Reference: Not Reported 0 sand & gravel 56 Lithologic Formation: Top of Formation (ft): 42 Bottom of Formation (ft): 48 Pump Flow (gpm): 0 https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&121352366000

Elevation:

URL:

Total Depth:

TC7885179.2s Page A-10

Map ID Direction Distance Elevation			Database	EDR ID Number
10 North 1/2 - 1 Mile Lower			IL WELLS	ILSG40000259732
WELLS SGS:				
Database: IL SWSP #: Date Drilled:	Water Well Records 0 19740713050000	API #: Status: Farm Name:	Wate	50177100 er Well
Well Name: Elevation:	Not Reported 0	Driller: Elevation Reference:	Beas Not F	Reported Iley, Eugene B. Reported
Total Depth: Top of Formation (ft): Pump Flow (gpm):	40 30 0	Lithologic Formation: Bottom of Formation (ft):		
URL:	https://isgs-oas.isgs.illinois.edu	ı/reports/rwservlet?watersummar	y&1213501771	00

Map ID	
Direction	
Distance	

Database

EDR ID Number

NNE I/2 - 1 Mile			OIL_GAS	ILOG30000135218
API #:	121350025300	Permit ID:	Not Report	ed
Permit Date:	Not Reported	Well Status:	Dry and Ab	andoned, No Shows
Max Depth:	823	Date Completed:	193902010	060000
Formation:	St Louis	Company Name:	Erie Drlg C	o
Well Name:	Schroeder	Well #:	1	
Elevation:	667	Elevation Reference:	Not Report	ted
Logs:	GT			
ILStrat URL:	https://isgs.illinois.edu/ilstrat/index.php/StLouis_Limestone			
URL:	https://isgs-oas.isgs.illinois.edu/reports/rwservlet?oilsummary&121350025300			

AREA RADON INFORMATION

State Database: IL Radon

Radon Test Results

Zipcode Result

62056 0.7

Federal EPA Radon Zone for MONTGOMERY County: 2

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

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Federal Area Radon Information for Zip Code: 62056

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	2.000 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	1.400 pCi/L	100%	0%	0%

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

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

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

HYDROLOGIC INFORMATION

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

Source: FEMA Telephone: 877-336-2627 Date of Government Version: 2003, 2015

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

State Wetlands Data: Wetland Inventory

Source: Illinois State Geological Survey Telephone: 217-333-4747

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.

OTHER STATE DATABASE INFORMATION

Oil and Gas Wells Listing Source: Illinois State Geological Survey Telephone: 217-333-5109 Oil and gas wells location points from the Illinois State Geological Survey database.

Water Well Records Source: Illinois Geological Survey Telephone: 217-333-4747

Illinois Private Well Database and PICS (Public, Industrial, Commercial Survey) Source: Illinois State Water Survey Telephone: 217-333-9043

Water Well Location Information Source: Illinois Environmental Protection Agency Telephone: 217-782-0810

RADON

State Database: IL Radon Source: Department of Nuclear Safety Telephone: 217-785-9958 County Radon 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.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

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

STREET AND ADDRESS INFORMATION

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APPENDIX E CREDENTIALS

Colleen Wittenberg

Senior Staff Scientist

PROFESSIONAL EXPERIENCE

Colleen Wittenberg is currently a Senior Staff Scientist for the St. Louis Terracon Office. She is responsible for conducting Phase I Environmental Site Assessments (ESA).

Additionally, Ms. Wittenberg has experience conducting site visits and writing reports associated with Phase II ESAs, Indoor Air Quality Assessments, Soil and Groundwater Management Plans, Migratory Bird Evaluations, and Asbestos Surveys for commercial and telecommunication sites.

PROJECT EXPERIENCE

Emerald Solar – White Hall, IL (2024)

Conducted a Phase I ESA of 280 acres of vacant agricultural land and two small creeks running through the property lines for Azimuth Renewables LLC. Acquired land history information through the land user and a regulatory database review. Conducted historical and physical records review; interviews, including local government inquiries; and visual noninvasive reconnaissance of the site and adjoining properties.

100 Grenache Blanc Drive, US Bank - Saint Peters, MO (2024)

Conducted a Phase I ESA at a 35-acre, garden style residential apartment complex with 460 units across 24 11,200 square-foot buildings. The site also included a 10,700 square-foot clubhouse building with a swimming pool and a 950 square-foot maintenance shed. Assessment included historical records review, interviews with the current owner and owner's representative, and visual noninvasive reconnaissance.

Cargill Animal Nutrition Facility – Montgomery City, MO (2024)

Conducted Phase I at a 6.61-acre animal feed production facility, which consisted of a warehouse, office, grain silos and elevators, and aboveground and underground storage tanks. During operations grain and other liquid ingredients, such as soy oil, animal fat, and molasses, are delivered to the site via truck and are processed into feed pellets in the northern warehouse area. Assessment included historical records review, interviews with the current owner and owner's representative, and visual noninvasive reconnaissance. Recognized Environmental Conditions (REC) were identified and further investigation was recommended.



EDUCATION Bachelor of Science, Environmental Science-Biology, Southeast Missouri State University, 2016

REGISTRATIONS/ CERTIFICATIONS

Certified Asbestos Building Inspector for Indiana

PROFESSIONAL TRAINING

OSHA 40-Hour HAZWOPER

Work History

Terracon Consultants, Inc.; Senior Staff Scientist; 2024present

Trileaf Corporation, Project Manager, 2018-2024

Monsanto, Greenhouse Technician, 2017-2018



Tracie A. Ragland

PROFESSIONAL EXPERIENCE

Ms. Ragland is a Senior Scientist and Authorized Project Reviewer in Terracon's Lenexa, KS office. Ms. Ragland has over 20 years of environmental due diligence experience and performs various duties including Phase I Environmental Site Assessments (Phase I ESAs) and limited asbestos inspections. Ms. Ragland has management responsibility of Phase I ESAs within the Environmental Due Diligence Group (DDG) at Terracon. Duties include oversight of projects, technical review of client deliverables, and mentoring of Phase I ESA personnel. Ms. Ragland is an Environmental Professional (as defined in 40 CFR 312) for Phase I ESAs, and has also served as Acting Group Manager of the DDG on several occasions. Ms. Ragland's primary responsibilities include conducting all aspects of Phase I ESAs including proposal/scope preparation, field work, interpretation of Phase I ESA research, and production of client deliverables. Ms. Ragland has also conducted wetland delineations and has assisted in National Environmental Policy Act (NEPA) Reviews/Environmental Assessments (EAs) and Limited Site Investigations (LSIs).

Phase I ESAs: Ms. Ragland has conducted and managed numerous Phase I ESAs for over 20 years throughout the continental US on properties ranging from less than 1 acre to 8,000 acres in size, including undeveloped land, farmland, communications towers, multi-family residential structures, medical facilities, large-scale commercial developments, gasoline stations, vehicle maintenance facilities, industrial/manufacturing sites, printing facilities, dry cleaners, agricultural cooperatives, offices/warehouses, and Brownfields Assessment sites.

Asbestos Inspections and Sampling: In conjunction with Phase I ESAs, Ms. Ragland has conducted limited asbestos inspections and sampling of properties including multi-family residential structures, office buildings, retail malls, commercial developments, and heavy industrial sites in KS and MO. Ms. Ragland has also served as site monitor on asbestos school abatement projects in KS performing air monitoring sampling and observation services during asbestos removal activities, including non-friable visual clearance inspections.

Wetland Delineations: Ms. Ragland has conducted and managed wetland delineation and assisted in permitting projects in KS and MO, including: coordination with the US Army Corps of Engineers (USACE), report preparation for Section 404 Clean Water Act (CWA) regulatory permitting, wetland mitigation site construction observation, and wetland mitigation monitoring. Ms. Ragland has delineated sites from 1 to 8,000 acres utilizing mandatory technical criteria and field indicators established by regional supplements to the USACE delineation manual.

NEPA Reviews/EAs: Ms. Ragland has conducted NEPA Reviews for existing and proposed communications towers and a fiber optic cable corridor. Ms. Ragland has assisted with preparation of EAs for a proposed marina at a USACE lake, two USDA Natural Resources Conservation Service (NRCS) dam reconstruction sites, a Dept. of Energy (DOE)-sponsored proposed battery/energy storage facility, and a Dept. of Veterans Affairs (VA) cemetery expansion. Ms. Ragland was responsible for field work, contact with federal, state, and local government agencies, coordination of Cultural Resource Investigations, and production of client deliverables. Ms. Ragland has also completed HUD Form 4128 "Environmental Assessment and Compliance Finding for Related Laws" documenting compliance with NEPA for residential properties during preparation of Phase I ESAs.

LSIs/Preliminary Assessment (PA)/Site Inspection (SI): Ms. Ragland has conducted and managed LSIs including a PA/SI on a former government WWII facility. Responsibilities included preparation of work scopes, collection of soil and groundwater samples, interpretation of analytical results, and preparation of client deliverables.

EDUCATION

Bachelor of Arts, Honors in Environmental Studies, University of Kansas, 1997

Bachelor of Science in Biology, Cellular Biology, University of Kansas, 1992

CERTIFICATIONS

40-Hour Hazardous Waste Site Operations Training

AHERA, Asbestos Inspector: KS

Certified Asbestos Inspector: MO

AFFILIATIONS

Society of Wetland Scientists (SWS), 1999-2016

- University of Kansas (Edwards Campus) Professional Science Masters – Environmental Assessment External Advisory Board Member, 2012-2018
- University of Kansas (Edwards Campus) Environmental Industry Board Member, 2019-2022

WORK HISTORY

Terracon Consultants, Inc., Senior Scientist: 2019-present Project Scientist: 2016-2019 Project Manager: 2008-2016 Environmental Scientist: 1998-2008

- University of Kansas, Research Assistant, 1994-98
- University of Minnesota, Graduate Research Assistant, 1993-94

Oklahoma State University, Laboratory Technician, 1992-93

ADDITIONAL COURSES

- ASTM Training on Phase I & II ESAs for Commercial Real Estate 2017, ASTM
- Regional Supplement Seminar, Wetland Training Institute (WTI), 2008
- Nationwide Permits, WTI, 2008; SWS, 2000
- Dormant Season Wetland Plant Identification, Institute of
- Botanical Training, LLC, 2007 Wetland Construction and
- Restoration, WTI, 2001 Wetland Plant Identification, Biotic Consultants, Inc., 2000
- Basic Processes in Hydric Soils, North Carolina State University, 2000
- 38-Hour Army Corps of Engineers Wetland Delineation & Management Training Program, Richard Chinn Environmental Training, Inc., 1998



DESCRIPTION OF TERMS AND ACRONYMS

APPENDIX F

Term/Acrony m	Description
	Asbestos Containing Material. Asbestos is a naturally occurring mineral, three varieties of which (chrysotile, amosite, crocidolite) have been commonly used as fireproofing or binding agents in construction materials. Exposure to asbestos, as well as ACM, has been documented to cause lung diseases including asbestosis (scarring of the lung), lung cancer and mesothelioma (a cancer of the lung lining).
ACM	Regulatory agencies have generally defined ACM as a material containing greater that one (1) percent asbestos, however some states (e.g. California) define ACM as materials having 0.1% asbestos. In order to define a homogenous material as non-ACM, a minimum number of samples must be collected from the material dependent upon its type and quantity. Homogenous materials defined as non-ACM must either have 1) no asbestos identified in all of its samples or 2) an identified asbestos concentration below the appropriate regulatory threshold. Asbestos concentrations are generally determined using polarized light microscopy or transmission electron microscopy. Point counting is an analytical method to statistically quantify the percentage of asbestos in a sample. The asbestos component of ACM may either be friable or non-friable. Friable materials, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure and have a higher potential for a fiber release than non-friable ACM. Non-friable ACM are materials that are firmly bound in a matrix by plastic, cement, etc. and, if handled carefully, will not become friable.
	Federal and state regulations require that either all suspect building materials be presumed ACM or that an asbestos survey be performed prior to renovation, dismantling, demolition, or other activities that may disturb potential ACM. Notifications are required prior to demolition and/or renovation activities that may impact the condition of ACM in a building. ACM removal may be required if the ACM is likely to be disturbed or damaged during the demolition or renovation. Abatement of friable or potentially friable ACM must be performed by a licensed abatement contractor in accordance with state rules and NESHAP. Additionally, OSHA regulations for work classification, worker training and worker protection will apply.
AHERA	Asbestos Hazard Emergency Response Act

Term/Acrony m	Description
AST	Aboveground Storage Tanks. ASTs are generally described as storage tanks less than 10% of which are below ground (i.e., buried). Tanks located in a basement, but not buried, are also considered ASTs. Whether, and the extent to which, an AST is regulated, is determined on a case-by-case basis and depends upon tank size, its contents and the jurisdiction of its location.
BGS	Below Ground Surface
Brownfields	State and/or tribal listing of Brownfield properties addressed by Cooperative Agreement Recipients or Targeted Brownfields Assessments.
BTEX	Benzene, Toluene, Ethylbenzene, and Xylenes. BTEX are VOC components found in gasoline and commonly used as analytical indicators of a petroleum hydrocarbon release.
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act (a.k.a. Superfund). CERCLA is the federal act that regulates abandoned or uncontrolled hazardous waste sites. Under this Act, joint and several liability may be imposed on potentially responsible parties for cleanup-related costs.
CERCLIS	Comprehensive Environmental Response, Compensation and Liability Information System. An EPA compilation of sites having suspected or actual releases of hazardous substances to the environment. CERCLIS also contains information on site inspections, preliminary assessments and remediation of hazardous waste sites. These sites are typically reported to EPA by states and municipalities or by third parties pursuant to CERCLA Section 103.
CESQG	Conditionally Exempt Small Quantity Generators
CFR	Code of Federal Regulations

Term/Acrony m	Description
CREC	Controlled Recognized Environmental Condition is defined in ASTM E2247-23 as "a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). A condition considered by the environmental professional to be a controlled recognized environmental condition shall be listed in the findings section of the Phase I Environmental Site Assessment report, and as a recognized environmental condition in the conclusions section of the Phase I Environmental Site Assessment report."
DOT	U.S. Department of Transportation
EPA	U.S. Environmental Protection Agency
ERNS	Emergency Response Notification System. An EPA-maintained federal database which stores information on notifications of oil discharges and hazardous substance releases in quantities greater than the applicable reportable quantity under CERCLA. ERNS is a cooperative data-sharing effort between EPA, DOT, and the National Response Center.
ESA	Environmental Site Assessment
FRP	Fiberglass Reinforced Plastic

Term/Acrony m	Description
Hazardous Substance	As defined under CERCLA, this is (A) any substance designated pursuant to section 1321(b)(2)(A) of Title 33, (B) any element, compound, mixture, solution, or substance designated pursuant to section 9602 of this title; (C) any hazardous waste having characteristics identified under or listed pursuant to section 3001 of the Solid Waste Disposal Act (with some exclusions); (D) any toxic pollutant listed under section 1317(a) of Title 33; (E) any hazardous air pollutant listed under section 112 of the Clean Air Act; and (F) any imminently hazardous chemical substance or mixture with respect to which the EPA Administrator has taken action under section 2606 of Title 15. This term does not include petroleum, including crude oil or any fraction thereof which is not otherwise listed as a hazardous substance under subparagraphs (A) through (F) above, and the term include natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas).
Hazardous Waste	This is defined as having characteristics identified or listed under section 3001 of the Solid Waste Disposal Act (with some exceptions). RCRA, as amended by the Solid Waste Disposal Act of 1980, defines this term as a "solid waste, or combination of solid wastes, which because of its quantity, concentration, or physical, chemical, or infectious characteristics may (A) cause, or significantly contribute to an increase in mortality or an increase in serious irreversible, or incapacitating reversible illness; or (B) pose a substantial present or potential hazard to human health or the environment when improperly treated, stored, transported, or disposed of, or otherwise managed."
HREC	Historical Recognized Environmental Condition is defined in ASTM E2247-23 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 (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). Before calling the past release a historical recognized environmental condition, the environmental professional must determine whether the past release is a recognized environmental condition at the time of the Phase I Environmental Site Assessment is conducted (for example, if there has been a change in the regulatory criteria). If the EP considers the past release to be a recognized environmental condition."

Term/Acrony m	Description
IC/EC	A listing of sites with institutional and/or engineering controls in place. IC 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. EC 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.
ILP	Innocent Landowner/Operator Program
LQG	Large Quantity Generators
LUST	Leaking Underground Storage Tank. This is a federal term set forth under RCRA for leaking USTs. Some states also utilize this term.
MCL	Maximum Contaminant Level. This Safe Drinking Water concept (and also used by many states as a ground water cleanup criteria) refers to the limit on drinking water contamination that determines whether a supplier can deliver water from a specific source without treatment.
MSDS	Material Safety Data Sheets. Written/printed forms prepared by chemical manufacturers, importers and employers which identify the physical and chemical traits of hazardous chemicals under OSHA's Hazard Communication Standard.
NESHAP	National Emissions Standard for Hazardous Air Pollutants (Federal Clean Air Act). This part of the Clean Air Act regulates emissions of hazardous air pollutants.
NFRAP	Facilities where there is "No Further Remedial Action Planned," as more particularly described under the Records Review section of this report.

Term/Acrony m	Description
NOV	Notice of Violation. A notice of violation or similar citation issued to an entity, company or individual by a state or federal regulatory body indicating a violation of applicable rule or regulations has been identified.
NPDES	National Pollutant Discharge Elimination System (Clean Water Act). The federal permit system for discharges of polluted water.
NPL	The NPL is the EPA's database of uncontrolled or abandoned hazardous waste facilities that have been listed for priority remedial actions under the Superfund Program.
OSHA	Occupational Safety and Health Administration or Occupational Safety and Health Act
РАСМ	Presumed Asbestos-Containing Material. A material that is suspected of containing or presumed to contain asbestos but which has not been analyzed to confirm the presence or absence of asbestos.
РСВ	Polychlorinated Biphenyl. A halogenated organic compound commonly in the form of a viscous liquid or resin, a flowing yellow oil, or a waxy solid. This compound was historically used as dielectric fluid in electrical equipment (such as electrical transformers and capacitors, electrical ballasts, hydraulic and heat transfer fluids), and for numerous heat and fire sensitive applications. PCB was preferred due to its durability, stability (even at high temperatures), good chemical resistance, low volatility, flammability, and conductivity. PCBs, however, do not break down in the environment and are classified by the EPA as a suspected carcinogen. 1978 regulations, under the Toxic Substances Control Act, prohibit manufacturing of PCB-containing equipment; however, some of this equipment may still be in use today.
pCi/L	picoCuries per Liter of Air. Unit of measurement for Radon and similar radioactive materials.
PLM	Polarized Light Microscopy (see ACM section of the report, if included in the scope of services)

Term/Acrony m	Description
PST	Petroleum Storage Tank. An AST or UST that contains a petroleum product.
Radon	A radioactive gas resulting from radioactive decay of naturally-occurring radioactive materials in rocks and soils containing uranium, granite, shale, phosphate, and pitchblende. Radon concentrations are measured in picoCuries per Liter of Air. Exposure to elevated levels of radon creates a risk of lung cancer; this risk generally increases as the level of radon and the duration of exposure increases. Outdoors, radon is diluted to such low concentrations that it usually does not present a health concern. However, radon can accumulate in building basements or similar enclosed spaces to levels that can pose a risk to human health. Indoor radon concentrations depend primarily upon the building's construction, design and the concentration of radon in the underlying soil and ground water. The EPA recommended annual average indoor "action level" concentration for residential structures is 4.0 pCi/l.
RCRA	Resource Conservation and Recovery Act. Federal act regulating solid and hazardous wastes from point of generation to time of disposal ('cradle to grave"). 42 U.S.C. 6901 et seq.
RCRA Generators	The RCRA Generators database, maintained by the EPA, lists facilities that generate hazardous waste as part of their normal business practices. Generators are listed as either large (LQG), small (SQG), or conditionally exempt (CESQG). LQG produce at least 1000 kg/month of non-acutely hazardous waste or 1 kg/month of acutely hazardous waste. SQG produce 100-1000 kg/month of non-acutely hazardous waste. CESQG are those that generate less than 100 kg/month of non-acutely hazardous waste.
RCRA CORRACTS/TS Ds	The USEPA maintains a database of RCRA facilities associated with treatment, storage, and disposal (TSD) of hazardous materials which are undergoing "corrective action". A "corrective action" order is issued when there is a release of hazardous waste or constituents into the environment from a RCRA facility.
RCRA Non- CORRACTS/TS Ds	The RCRA Non-CORRACTS/TSD Database is a compilation by the USEPA of facilities which report storage, transportation, treatment, or disposal of hazardous waste. Unlike the RCRA CORRACTS/TSD database, the RCRA Non-CORRACTS/TSD database does not include RCRA facilities where corrective action is required.

Term/Acrony m	Description
RCRA Violators List	RAATS. RCRA Administrative Actions Taken. RAATS information is now contained in the RCRIS database and includes records of administrative enforcement actions against facilities for noncompliance.
RCRIS	Resource Conservation and Recovery Information System, as defined in the Records Review section of this report.
REC	Recognized Environmental Conditions are defined by ASTM E2247-23 as "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. De minimis conditions are not recognized environmental conditions."
SCL	State "CERCLIS" List (see SPL /State Priority List, below).
SPCC	Spill Prevention, Control and Countermeasures. SPCC plans are required under federal law (Clean Water Act and Oil Pollution Act) for any facility storing petroleum in tanks and/or containers of 55-gallons or more that when taken in aggregate exceed 1,320 gallons. SPCC plans are also required for facilities with underground petroleum storage tanks with capacities of over 42,000 gallons. Many states have similar spill prevention programs, which may have additional requirements.
SPL	State Priority List. State list of confirmed sites having contamination in which the state is actively involved in clean up activities or is actively pursuing potentially responsible parties for clean up. Sometimes referred to as a State "CERCLIS" List.
SQG	Small Quantity Generator
SWF/LF	State and/or Tribal database of Solid Waste/Landfill facilities. The database information may include the facility name, class, operation type, area, estimated operational life, and owner.

Term/Acrony m	Description
ТРН	Total Petroleum Hydrocarbons
TRI	Toxic Release Inventory. Routine EPA report on releases of toxic chemicals to the environment based upon information submitted by entities subject to reporting under the Emergency Planning and Community Right to Know Act.
TSCA	Toxic Substances Control Act. A federal law regulating manufacture, import, processing and distribution of chemical substances not specifically regulated by other federal laws (such as asbestos, PCBs, lead-based paint and radon). 15 U.S.C 2601 et seq.
USACE	United States Army Corps of Engineers
USC	United States Code
USGS	United States Geological Survey
USNRCS	United States Department of Agriculture-Natural Resource Conservation Service
UST	Underground Storage Tank. Most federal and state regulations, as well as ASTM E2247-23, define this as any tank, incl., underground piping connected to the tank, that is or has been used to contain hazardous substances or petroleum products and the volume of which is 10% or more beneath the surface of the ground (i.e., buried).
VCP	State and/or Tribal facilities included as Voluntary Cleanup Program sites.
VOC	Volatile Organic Compound

Term/Acrony m	Description
	Areas that are typically saturated with surface or ground water that creates an environment supportive of wetland vegetation (i.e., swamps, marshes, bogs). The <u>Corps of Engineers Wetlands Delineation Manual</u> (Technical Report Y-87-1) defines wetlands as areas inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. For an area to be considered a jurisdictional wetland, it must meet the following criteria: more than 50 percent of the dominant plant species must be categorized as Obligate, Facultative Wetland, or Facultative on lists of plant species that occur in wetlands; the soil must be hydric; and, wetland hydrology must be present.
Wetlands	
	The federal Clean Water Act which regulates "waters of the US," also regulates wetlands, a program jointly administered by the USACE and the EPA. Waters of the U.S. are defined as: (1) waters used in interstate or foreign commerce, including all waters subject to the ebb and flow of tides; (2) all interstate waters including interstate wetlands; (3) all other waters such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds, etc., which the use, degradation, or destruction could affect interstate/ foreign commerce; (4) all impoundments of waters otherwise defined as waters of the U. S., (5) tributaries of waters identified in 1 through 4 above; (6) the territorial seas; and (7) wetlands adjacent to waters identified in 1 through 6 above. Only the USACE has the authority to make a final wetlands jurisdictional determination.