

Phase I Environmental Site Assessment

Bolivar Business Park Phase I ESA

1700 S. Wommack Ave.

Bolivar, Polk County, MO

September 6, 2016

Terracon Project No. B5167038



Prepared for:

City of Bolivar, Missouri

Bolivar, Missouri

Prepared by:

Terracon Consultants, Inc.

Springfield, Missouri

terracon.com

Terracon

Environmental



Facilities



Geotechnical



Materials

September 6, 2016



City of Bolivar, Missouri
345 S. Main Ave.
Bolivar, MO 65613

Attn: Ms. Sydney Allen
E: sallen@bolivar.mo.us

Re: Phase I Environmental Site Assessment
Bolivar Business Park Phase I ESA
1700 S. Wommack Ave.
Bolivar, Polk County, Missouri
Terracon Project No. B5167038

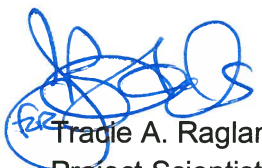
Dear Ms. Allen:

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. PB5167038 dated July 14, 2016.

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 www.terracon.com. 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.


Kameron L. Long
Field Environmental Scientist


Tracie A. Ragland
Project Scientist

Terracon Consultants Inc. 4765 W Junction St Springfield, MO 65802-1013

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EXECUTIVE SUMMARY

This Phase I Environmental Site Assessment (ESA) was performed in accordance with Terracon Proposal No. PB5167038 dated July 14, 2016, and was conducted consistent with the procedures included in ASTM E1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. The ESA was conducted under the supervision or responsible charge of James B. Fels, Environmental Professional. Kameron L. Long performed the site reconnaissance on August 30, 2016.

Findings

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

The site is an approximate 72.7 acre property located at 1700 S. Wommack Ave, Polk County, Bolivar, Missouri. The site is located north of W Tower Road and west of S Wommack Ave. The property is currently vacant land.

Historical Information

Based on review of historical documentation the site has historically been agricultural land. The site was used as a parking area for equipment when Route 13 was under construction to the east and when a water line and sanitary sewer line was installed around the perimeter of the property in the mid 2000's. Residential and agricultural properties have historically been located to the north and west to the site. The eastern properties were historically agricultural land until developed with Route 13 (or equivalent) before 1980. Residential housing with agricultural land has historically been located to the south and southwest. RECs were not identified during review of the historical information.

Records Review

Selected federal and state environmental regulatory databases as well as responses from state and local regulatory agencies were reviewed. The site and adjacent properties were not listed in the databases.

Site Reconnaissance

During the site reconnaissance Terracon observed the site to be a vacant undeveloped grassy field. A gravel road extends to the central portion of the site from E 444th Road. In the central portion of the site Terracon observed multiple piles of dirt where apparent grading had been done. According to the owner representative Ms. Tracy Slagle, the source of the dirt piles was from onsite. Terracon observed multiple fire hydrants located around the perimeter of the site and a

sewer line manhole located at the northwest corner. A lift station for a sanitary sewer is located at the southwest corner of the site and contains one aboveground propane tank and is powered by a pole mounted transformer. RECs were not observed at the site during the site visit.

Adjoining Properties

The current-day adjoining properties were observed as the following:

- E. 444th Road followed by agricultural land and a residence is located adjacent north and northeast.
- S. Wommack Avenue followed by Route 13 is located adjacent east.
- Comfort Inn is located adjacent southeast. A residence and water tower is located adjacent south on the north side of W. Tower Drive. Bolivar Christian Church, a closed restaurant, and a residential neighborhood is located south of W. Tower Drive.
- Agricultural land and a residence is located adjacent west with multiple residences located southwest on W. Tower Drive.

RECs were not observed with the adjoining properties.

Opinions and Conclusions

We have performed a Phase I ESA consistent with the procedures included in ASTM Practice E 1527-13 at Bolivar Business Park located at 1700 S. Wommack Ave., in Bolivar, Polk County, Missouri, the site. Recognized Environmental Conditions (RECs) or Controlled RECs were not identified in connection with the site.

Significant Data Gaps

Significant data gaps were not identified.

Recommendations

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

1.0 INTRODUCTION

1.1 Site Description

Site Name	Bolivar Business Park Phase I ESA
Site Location/Address	1700 S. Wommack Ave., Bolivar, Polk County, Missouri
Land Area	Approximately 72.7-acres
Site Improvements	Site is vacant land with no improvements.

The site location is depicted on Exhibit 1 of Appendix A, which was reproduced from a portion of the USGS 7.5-minute series topographic map. A Site Diagram of the site and adjoining properties 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. PB5167038 dated July 14, 2016, and was conducted consistent with the procedures included in ASTM E1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. 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 E1527-13 contains a new 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 E1527-13, the standard clarifies that the potential for vapor migration should be addressed as part of a Phase I ESA and was considered by Terracon in evaluation of RECs associated with 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.

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:

- Attempts were made to contact the Bolivar Fire Department; however, at the issuance of this report, a response from the Fire Department remains pending.
- Attempts were made to contact the Planning and Zoning Department; however, at the issuance of this report, a response from the Planning and Zoning Department remains pending.

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 City of Bolivar, Missouri. Use or reliance by any other party is prohibited without the written authorization of City of Bolivar, Missouri 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 E1527-13 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 E1527-13.

1.6 Client Provided Information

Prior to the site visit, Tracy Slagle, client's representative, was asked to provide the following user questionnaire information as described in ASTM E1527-13 Section 6.

Client Questionnaire Responses

Client Questionnaire Item	Client Did Not Respond	Client's Response	
		Yes	No
Specialized Knowledge or Experience that is material to a REC in connection with the site.			X
Actual Knowledge of Environmental Liens or Activity Use Limitations (AULs) that may encumber the site.		X	

Client Questionnaire Item	Client Did Not Respond	Client's Response	
		Yes	No
Actual Knowledge of a Lower Purchase Price because contamination is known or believed to be present at the site.			X
Commonly Known or Reasonably Ascertainable Information that is material to a REC in connection with the site.			X
Obvious Indicators of Contamination at the site.			X

The client answered yes to knowing of actual knowledge of Environmental Liens or Activity Use Limitations that may encumber the site. The client provided documents they received from the Shell Title Company & Polk County Abstract that involved the Industrial Development Authority. These documents included a title search, Waterline and Sewer easements reports, and Covenants, Conditions and Restrictions for the Bolivar Industrial Park. Environmental Liens or Activity Use Limitations were not identified in these reports. These documents can be seen in Appendix C.

2.0 PHYSICAL SETTING

Physical Setting

Physical Setting Information		Source
Topography (Refer to Appendix A for an excerpt of the Topographic Map)		
Site Elevation	Approximately 1110 to 1130 feet (NGVD)	USGS Topographic Map, Bolivar Quadrangle, 1991
Surface Runoff/ Topographic Gradient	Sloping towards the south-southwest	
Closest Surface Water	Unnamed pond, approximately 200 feet west-southwest of the site.	
Soil Characteristics		
Soil Type	Goss gravelly silt loam	Polk County, MO USGS Web Soil Survey, accessed August 2016.
Description	Typical soil profile consists of gravelly silt loam from 0 to 6 inches, extremely gravelly silt loam from 6 to 19 inches, very gravelly clay from 19 to 60 inches, and gravelly clay from 60 to 80 inches.	
Geology/Hydrogeology		
Formation	Carboniferous Mississippian-Early (Osagean)	

Physical Setting Information		Source
Description	Fine crystalline, silty, cherty dolomite, and oolitic chert with local sandstone beds.	Mineral Resources On-Line Spatial Data, accessed August 2016
Estimated Depth to First Occurrence of Groundwater	Approximately 20-30 feet below ground surface	Terracon's prior experience in the area.
*Hydrogeologic Gradient	Not known - may be inferred to be parallel to topographic gradient (primarily to the south-southwest).	

* 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 past uses for RECs. 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 Map Company 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 Map Company were requested from EDR to evaluate past uses and relevant characteristics of the site and surrounding properties. Sanborn maps were not provided by EDR.

- Topographic map: Bolivar, Missouri, published in 1884 (1:125,000)
- Topographic map: Bolivar, Missouri, published in 1892 (1:125,000)
- Topographic map: Bolivar, Missouri, published in 1961; Aerial Photo Revised 1959 (1:24,000)
- Topographic map: Cliquot/Bolivar, Missouri, published in 1981; Aerial Photo Revised 1980/1981 (1:24,000)
- Topographic map: Cliquot/Bolivar, Missouri, published in 2015 (1:24,000)
- Aerial photograph: USGS, 1950, 1"=500'
- Aerial photograph: USDA, 1953, 1"=500'
- Aerial photograph: USGS, 1980, 1"=100'
- Aerial photograph: USGS, 1984, 1"=1000'
- Aerial photograph: USGS, 1990, 1"=500'

- Aerial photograph: USGS/DOQQ, 1997, 1"=500'
- Aerial photograph: USGS/NAIP, 2005, 1"=500'
- Aerial photograph: USGS/NAIP, 2006, 1"=500'
- Aerial photograph: USGS/NAIP, 2007, 1"=500'
- Aerial photograph: USGS/NAIP, 2009, 1"=500'
- Aerial photograph: USGS/NAIP, 2010, 1"=500'
- Aerial photograph: USGS/NAIP, 2012, 1"=500'

Historical Topographic Maps, Aerial Photographs and Sanborn Maps

Direction	Description
Site	<p>Appears as vacant land with a stream ending in the southwest corner of the property (1884-1892) Appears as agricultural land with a small pond located in the central east portion of the site (1950-1953); Appears as agricultural land with apparent farmsteads located on the northern boundary road, the southern boundary road, the west central portion, and the central eastern portion of the site off a road that runs through the central portion of the site from Highway 13 (or equivalent). Ponds are apparent throughout the central and southern portions of the site (1980-1984). Farmsteads are no longer apparent and the site now appears as agricultural land with a pond located on the central east portion of the site and the southwest corner of the site (1990-1997); Appears as a north/south oriented dirt road located on the central east portion of the site, and a small apparent fenced-in area is located in the southwest corner of the site (2005); Apparent buried utility line being installed on the west boundary of the site. North/south oriented dirt road still apparent with indications of surface dirt work on the northern portion of the site (2006); Western boundary work now appears complete, site appears to be agricultural land with a north/south oriented dirt road located on the central east portion of the site (2007-2012)</p>
North	<p>Appears as vacant land (1884-1892); Appears as E 444 Rd (or equivalent) followed by agricultural land (1950-1953); Route 13 (or equivalent) now apparent to the northeast with agricultural land to the north-northeast (1980-1984); Appears as E 444 Rd (or equivalent) with a farmstead located on the north side of the street followed by agricultural land to the northwest and Route 13 to the northeast (1990-2012)</p>
East	<p>Appears as vacant land (1884-1892); Appears as a farmstead to the northeast and agricultural land to the east-southeast (1950-1953); Appears as Route 13 (or equivalent) with possible commercial development to the northeast and agricultural land to the east-southeast (1880-1984); Appears as Route 13 (or equivalent) with a pond to the east, followed by a residential neighborhood to the east-northeast, and buildings corresponding to the present day businesses to the east-southeast (1990); Apparent junkyard now located south of the residential neighborhood (1997-2007); Junkyard no longer apparent, but associated parking still visible in its place (2009-2012).</p>

Direction	Description
South	Appears as a stream to the southwest and vacant land to the southeast (1884-1892); Appears as W. Tower Road (or equivalent) with one residence located on the north side of the road and two residences located on the south side of the road followed by agricultural land (1950-1953); Appears as W. Tower Road (or equivalent) with one residence located on the north side of the road, one residence located to the southwest and one residence located to the southeast, followed by agricultural land further south (1880-1984); Appears as W. Tower Road (or equivalent) with one residence located on the north side of the road and residential neighborhood apparent to the south-southeast (1990-1997); Appears as W. Tower Road (or equivalent) with a water tower and residence located on the north side of the road followed by a residential neighborhood to the south-southeast and State Highway T (or equivalent) to the south-southwest (2005-2012); Building and associated parking that corresponds with the present day hotel is now apparent to the southeast (2006-2012).
West	Appears as vacant land (1884-1892); Appears as agricultural land with a pond located on the central north portion and a residence located on W. Tower Road (or equivalent) (1950-1984); Appears as a pond west of residence with multiple residences now located further west on W. Tower Road (or equivalent) (1990); A residence is now apparent to the west-northwest of the west boundary of the site north of the pond (1997-2012).

3.2 Historical City Directories

The Cole Information Services city directories used in this study were made available through EDR (selected years reviewed: 1992-2013) and were reviewed at approximate five-year intervals, if readily available. Since these references are copyright protected, reproductions are not provided in this report. Street listings were not available prior to 1992. The current street address for the site was identified as 1700 S. Wommack Ave.

Historical City Directories

Direction	Description
Site	Not Listed, historically vacant land.
North	1033 E 444th Rd.: L Cavin (2003); Justin Doty (2013) 1030 E 444th Rd.: Charles McGinnis (1999); Debra McGinnis (2003); Isaac McGinnis (2008); Charles McGinnis (2013) 1027 E 444th Rd: Bill Allen (2003-2008); Occupant Unknown (2013) 1008 E 444th Rd.: Adlene McGinnis (1999-2003); Michelle Webster (2008); Occupant Unknown (2013) 979 E 444th Rd.: Marion Jump (1999); Don Jump (2003)
East	Historically Route 13

Direction	Description
South	<p>2720 Tower Drive: Mike Jarman (2008) 2601 Tower Drive: Glenn Steward (2008) 2490 Tower Drive: Polk County Christian School (2013) 2451 Tower Drive: Comfort Inn (2013) 1919 S Wommack Ave: Super 8 Bolivar (2013) 1901 S Wommack Ave: Protrac Funding LLC, Remaxx Inc. (2008); Missouri (2013)</p>
West	<p>1040 State Hwy T: Occupant Unknown (1999) 1021 State Hwy T: Don Lucas (1999-2013) 1015 State Hwy T: Darrell Crites (1999); Erin Hall (2003-2008) 1013 State Hwy T: Randy Steward (1999); EJ Lockhart (2008-2013) 1011 State Hwy T: Wayne Lockhart (1999); Occupant Unknown (2003-2013) 1009 State Hwy T: Occupant Unknown (1999); Janice Miller (2003); Carl Mckinley (2008-2013) 1007 State Hwy T: Eddie Sprague (1999); Kenneth Moore (2003-2008); EJ Lockhart (2013) 1005 State Hwy T: Joe Boyd (1999); Occupant Unknown (2003); Don Pannell (2008); Kenneth Moore (2013) 1003 State Hwy T: John Welch (1999); Lois Welch (2003-2008); Kenmore Plumbing (2013)</p>

3.3 Site Ownership

Based on review of the Polk County Online Assessors records, the owner is Bolivar Industrial Development Authority.

3.4 Title Search

A title search was provided by the client. County Deed Records were reviewed by Shell Title Company & Polk County Abstract to obtain a chain-of-title for the site. Ownership records were reviewed back to 1993. The title information is included in Appendix C.

Based on a review of the title provider's research, the current site owner is The Industrial Development Authority of the City of Bolivar who received the title from George W. Powell and Ila M. Powell on December 29, 1993. On April 20, 2002 The Industrial Development Authority of the City of Bolivar granted a General Warranty Deed to the County of Polk, and State of Missouri, acting by and through the Missouri Highway and Transportation Commission. On March 31, 2004 The Industrial Development Authority of the City of Bolivar sold the lease for 10.00 dollars to Gebhard & Gebhard, Inc. On June 29, 2007 a Special Warranty Deed was issued by The Industrial Development Authority of the City of Bolivar to The City of Bolivar, Missouri, a political subdivision of the state of Missouri.

3.5 Environmental Liens and Activity and Use Limitations

Environmental lien and activity and use limitation records recorded against the site were not provided by the client. The client provided title documents, however environmental liens were not noted in the report. 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.

While not requested by the client, 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. Based on its limited nature, this review does not constitute a review of AULs per ASTM E1527-13.

3.6 Interviews Regarding Current and Historical Site Uses

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

Interviewees

Interviewer	Interviewee/Phone #	Title	Date/Time
Kameron Long	Tracy Slagle 417-414-7457	Owner Representative	8/29/2016 3:00 P.M.

Terracon interviewed Ms. Tracy Slagle about the site in Bolivar, MO. Ms. Slagle said that the property has always been agricultural land. She stated that in the mid 2000's when Route 13 was being constructed, the property was used as equipment parking. She said in the mid 2000's a waterline easement and sewer easement were constructed on the western boundary of the site. Terracon asked about the dirt piles located in the central portion of the site and Ms. Slagle said they were natural to the site and moved by a piece of equipment.

Ms. Slagle was not aware of any pending, threatened or past environmental litigation, proceedings or notices of possible violations of environmental laws or liability or potential environmental concerns in connection with the site.

3.7 Prior Report Review

Terracon requested the client provide any previous reports they are aware of for the site. The Client provided a Title Search for the site that was prepared by the Shell Title Company & Polk County Abstract. The documents found included Copies of the Warranty deeds, Sewer and Waterline easements, and a report describing the Covenants, Conditions, and Restrictions allowed at the industrial park. These documents can be viewed in Appendix C.

4.0 RECORDS REVIEW

Regulatory database information was provided by EDR, a contract information services company. 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, and 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 down-gradient 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.

Federal Databases

Database	Description	Distance (miles)	Listings
CERCLIS	Comprehensive Environmental Response, Compensation, & Liability Information System	0.5	0
CERCLIS / NFRAP	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

State/Tribal Databases

Database	Description	Distance (miles)	Listings
AUL	Activity and Use Limitations	Site	0
Brownfields	Listing of Brownfields Sites	0.5	0
LUST	Leaking Underground Storage Tanks	0.5	0
SHWS	State Hazardous Waste Site	0.5	0
SWF/LF	Solid Waste Facilities/Landfills	0.5	0
UST	Underground Storage Tanks	Site and adjoining properties	0
VCP	Voluntary Cleanup Program Sites	0.5	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.

The following table summarizes the site-specific information provided by the database and/or gathered by this office for identified facilities. Facilities are listed in order of proximity to the site. Additional discussion for selected facilities follows the summary table.

Listed Facilities

Facility Name And Location	Estimated Distance / Direction/Gradient	Database Listings	Is a REC, CREC, or HREC to the Site
Jump Stop #2 1724 Killingsworth Ave	Approximately 800 feet / east-southeast / cross-gradient	LAST, SPILLS	No, based on distance
Tracker Marine Bolivar 1402 S Killingsworth Ave	Approximately 1200 feet / east / cross-gradient	RCRA NonGen / NLR	No, based on distance

The facilities listed in the database report do not appear to represent RECs to the site at this time based upon regulatory status, apparent topographic gradient, and/or distance 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 did not list facilities in the unmapped section.

Geocheck Physical Setting Source Map Findings

The EDR map found one well located on site. This is an active well used in the wastewater lift station at the southwest corner of the site. This well was drilled in 2000 and has a case depth of 453 feet.

4.2 Local Agency Inquiries

Agency Contacted/ Contact Method	Response
Polk County Health Center 417-326-7250	According to the Health Department, nothing has been reported for the site.
Fire Department James Ludden firechief@bolivar.mo.us	At the issuance of this report, a response has not been received from the Fire Department.
Public Works Jerry Hamby 417-327-2494	Mr. Hamby stated that the fenced in area on the southwest corner of the site was a lift station for the sewer easement located on the western boundary of the site. He stated the lift station was installed in the early to mid-2000.
Code Enforcement Officer Aric Gooch agooch@bolivar.mo.us	The code enforcement has never received any complaints about the property.
Planning and Zoning Sydney Allen sallen@bolivar.mo.org	At the issuance of this report, a response has not been received from the Planning and Zoning Department.

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. Exhibit 2 in Appendix A is a Site Diagram of the site. 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.

General Site Information

Site Reconnaissance	
Field Personnel	Kameron L. Long
Reconnaissance Date	August 30, 2016
Weather Conditions	85 degrees and clear
Site Contact/Title	Tracy Slagle / Owner Representative

5.2 Overview of Current Site Occupants

There are no current site occupants.

5.3 Overview of Current Site Operations

There are no current site operations.

5.4 Site Observations

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

Site Characteristics

Category	Item or Feature	Observed or Identified
Site Operations, Processes, and Equipment	Emergency generators	
	Elevators	
	Air compressors	
	Hydraulic lifts	
	Dry cleaning	
	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	
	Vehicle repair or maintenance	
	Pesticide/herbicide production or storage	
Printing operations		

Category	Item or Feature	Observed or Identified
	Metal finishing (e.g., electroplating, chrome plating, galvanizing, etc.)	
	Salvage operations	
	Oil, gas or mineral production	
	Other processes or equipment	X
Aboveground Chemical or Waste Storage	Aboveground storage tanks	X
	Drums, barrels and/or containers ≥ 5 gallons	
	MSDS or SDS	
Chemical or Waste Storage, Drainage or Collection Systems	Underground storage tanks or ancillary UST equipment	
	Sumps, cisterns, French drains, catch basins and/or dry wells	
	Grease traps	
	Septic tanks and/or leach fields	
	Oil/water separators, clarifiers, sand traps, triple traps, interceptors	
	Pipeline markers	
	Interior floor drains	
Electrical Transformers/PCBs	Transformers and/or capacitors	X
	Other equipment	
Releases or Potential Releases	Stressed vegetation	
	Stained soil	
	Stained pavement or similar surface	
	Leachate and/or waste seeps	
	Trash, debris and/or other waste materials	
	Dumping or disposal areas	
	Construction/demolition debris and/or dumped fill dirt	X
	Surface water discoloration, odor, sheen, and/or free floating product	
	Strong, pungent or noxious odors	
	Exterior pipe discharges and/or other effluent discharges	
Other Notable Site Features	Surface water bodies	
	Quarries or pits	
	Wastewater lagoons	
	Wells	

Site Operations, Processes, and Equipment

Other processes or equipment

The site contains a wastewater lift station for a sanitary sewer line owned and operated by the city of Bolivar located at the southwest corner of the site. At the time of the site reconnaissance, staining and odors were not observed.

Aboveground Chemical or Waste Storage

Aboveground storage tanks

One propane AST was observed on the site during the site reconnaissance associated with the lift station at the southwest corner of the site. Staining and/or releases were not observed in the vicinity of the AST during the site reconnaissance.

Electrical Transformers/PCBs

Transformers and/or capacitors

During Terracon's site visit, three pole-mounted transformers, owned and serviced by The City of Bolivar were observed at the southwest corner of the site next to the lift station however, no information with regard to PCB content of the transformer fluids was observed. Some transformers contain mineral oil which may contain PCBs.

The City of Bolivar maintains responsibility for the transformers, and if the transformers were "PCB contaminated," The City of Bolivar is not required to replace the transformer fluids until a release is identified. However, evidence of current or prior release was not observed in the vicinity of the electrical equipment during the site reconnaissance.

Releases or Potential Releases

Construction/demolition debris and/or dumped fill dirt

Dumped fill dirt was observed in the central portion of the site during the site reconnaissance. The amount of dirt was approximately 80 tons. Based upon visual surface observations, no other materials appeared within this dumped dirt. This dirt apparently was moved by a piece of equipment from the site from possible grading activities. The site owner representative said the dirt wasn't brought on the site from another source. This area is accessed by a gravel road off E 444th Rd. Notable odors were not apparent from this area at the time of the site reconnaissance.

6.0 ADJOINING PROPERTY RECONNAISSANCE

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

Adjoining Properties

Direction	Description
North	Undeveloped land adjacent north with a residence adjacent northwest.
East	S Wommack Ave followed by Route 13.
South	Comfort Inn is located adjacent southeast, and a water tower and residence is located adjacent south followed by W Tower Dr.
West	A residence is located adjacent west followed by agricultural land. Multiple residences are located southwest along State Highway T.

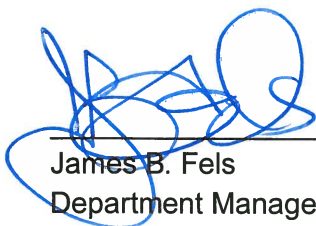
RECs were not observed with the adjoining properties.

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.

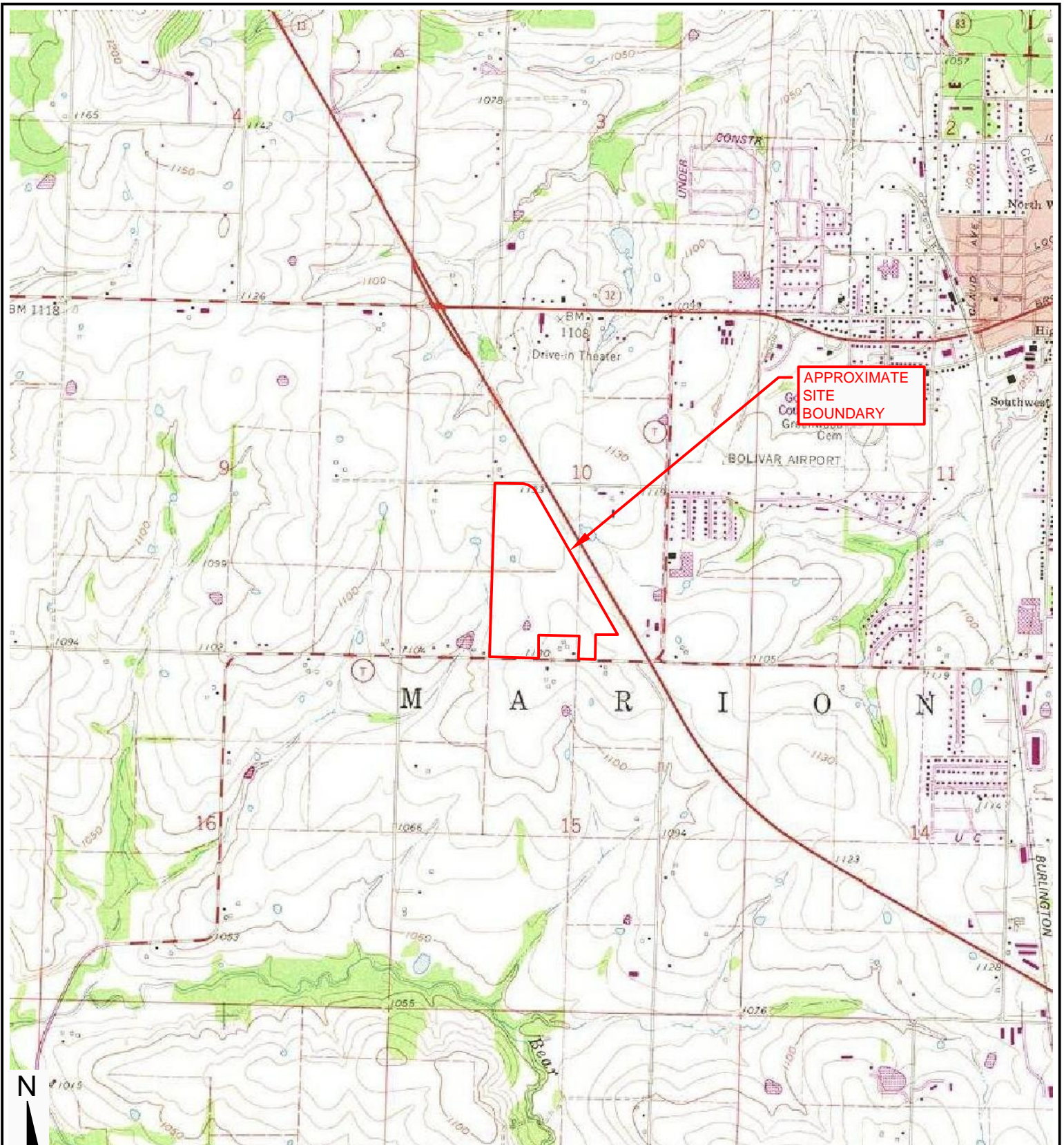
8.0 DECLARATION

I, James B. Fels, 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.



James B. Fels
Department Manager I-Professional

APPENDIX A
EXHIBIT 1 – TOPOGRAPHIC MAP
EXHIBIT 2 – SITE DIAGRAM



APPROXIMATE
SITE
BOUNDARY



U.S.G.S. 7.5 MINUTE SERIES TOPOGRAPHIC MAP

STATE OF MISSOURI QUADRANGLE
BOLIVAR 1991

0 1000' 2,000' 4,000'

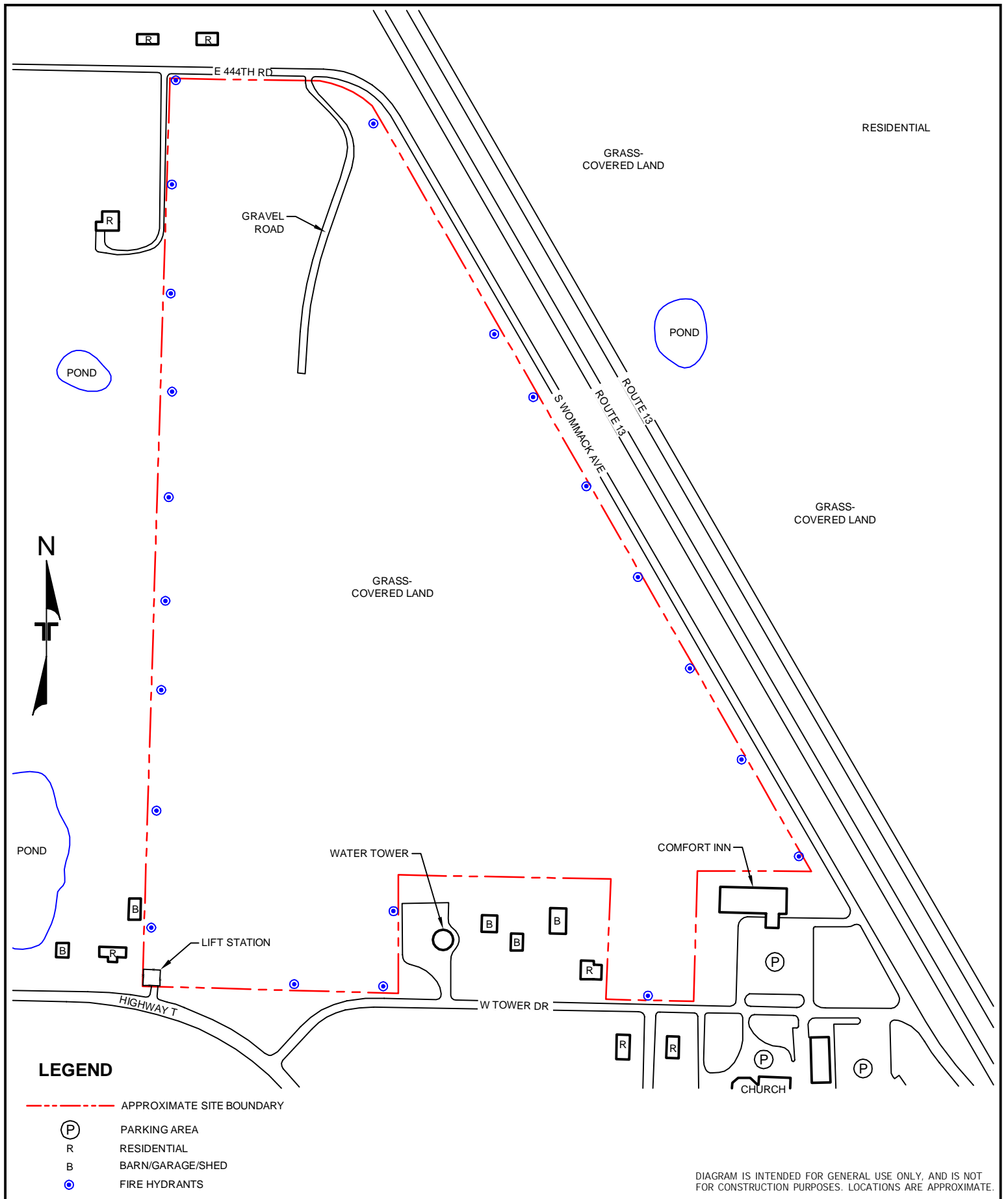
DIAGRAM IS INTENDED FOR GENERAL USE ONLY, AND IS NOT FOR CONSTRUCTION PURPOSES. LOCATIONS ARE APPROXIMATE.

Project Mng:	KLL	Project No:	B5167038
Approved By:	KLL	Scale:	1" = 2000'
Checked By:	KLL	Date:	8/31/16
Drawn By:	DBM	File No:	B5167038E1.dwg

Terracon
Consulting Engineers and Scientists
4765 W. JUNCTION STREET SPRINGFIELD, MO 65802
PH. (417) 864-5100 FAX. (417) 864-0871

TOPOGRAPHIC MAP
BOLIVAR BUSINESS PARK
1700 S. WOMMACK AVENUE
BOLIVAR, MISSOURI

EXHIBIT
1



LEGEND

- - - - - APPROXIMATE SITE BOUNDARY
- (P) PARKING AREA
- R RESIDENTIAL
- B BARN/GARAGE/SHED
- FIRE HYDRANTS

DIAGRAM IS INTENDED FOR GENERAL USE ONLY, AND IS NOT FOR CONSTRUCTION PURPOSES. LOCATIONS ARE APPROXIMATE.

Project Mng:	KLL	Project No:	B5167038
Approved By:	KLL	Scale:	NOT TO SCALE
Checked By:	KLL	Date:	8/31/16
Drawn By:	DBM	File No:	B5167038E2.dwg

Terracon
 Consulting Engineers and Scientists
 4765 W. JUNCTION STREET SPRINGFIELD, MO 65802
 PH. (417) 864-5100 FAX. (417) 864-0871

SITE DIAGRAM
BOLIVAR BUSINESS PARK
 1700 S. WOMMACK AVENUE
 BOLIVAR, MISSOURI

EXHIBIT
2

APPENDIX B
SITE PHOTOGRAPHS



Photo #1 Facing south from the center of the site.



Photo #2 Facing east from the center of the site.



Photo #3 Facing north from the center of the site.



Photo #4 Dirt pile located in the center of the site.



Photo #5 Facing west from the center of the site.



Photo #6 View of dirt piles facing the east located in the center of the site.



Photo #7 Facing south from the eastern boundary of the site.



Photo #8 Facing north from the eastern boundary of the site.



Photo #9 Facing east from the east boundary of the site.



Photo #10 Facing southwest from the east boundary of the site.



Photo #11 Facing northwest from the east boundary of the site.



Photo #12 Representative picture of fire hydrants on site.

Phase I Environmental Site Assessment – Photographic Log
Bolivar Business Park ■ Bolivar, MO
Site visit: 8/30/2016 ■ Terracon Project No. B5167038



Photo #13 Facing south from the west boundary of the site.



Photo #14 Facing north from the west boundary of the site.



Photo #15 Facing southeast from the west boundary of the site.



Photo #16 Facing northeast from the west boundary of the site.



Photo #17 Facing west from the north boundary of the site.



Photo #18 Facing east from the north boundary of the site.



Photo #19 Facing south from the gravel road entrance on the north boundary of the site.



Photo #20 Northwest adjacent property.



Photo #21 North-northwest adjacent properties.



Photo #22 North adjacent properties.



Photo #23 View of the southwest corner of the site from the Comfort Inn parking lot.



Photo #24 View of the Comfort Inn located adjacent southeast to the site.

Phase I Environmental Site Assessment – Photographic Log
Bolivar Business Park ■ Bolivar, MO
Site visit: 8/30/2016 ■ Terracon Project No. B5167038



Photo #25 View of the southwest corner of the site from the water tower located adjacent south to the south.



Photo #26 View south from the water tower.



Photo #27 View west from the south boundary of the site.



Photo #28 View east from the south boundary of the site.

Phase I Environmental Site Assessment – Photographic Log
Bolivar Business Park ■ Bolivar, MO
Site visit: 8/30/2016 ■ Terracon Project No. B5167038



Photo #29 View of the south adjacent property across Tower Drive.



Photo #30 View of the southeast adjacent property across Tower Drive.



Photo #31 Sewer line manhole located at the northwest corner of the site.



Photo #32 Lift station located at the southwest corner of the property. View of pole mounted transformer.

APPENDIX C
HISTORICAL DOCUMENTATION AND USER QUESTIONNAIRE

ASTM E1527-13 USER QUESTIONNAIRE

Proposal No: PB5167038

In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Relief and Brownfields Revitalization Act of 2001 (the "Brownfields Amendments"), the user must respond to the following questions. Failure to provide this information to the environmental professional may result in significant data gaps, which may limit our ability to identify recognized environmental conditions resulting in a determination that "all appropriate inquiry" is not complete. This form represents a type of interview and as such, the user has an obligation to answer all questions in good faith, to the extent of their actual knowledge.

Site Name: City of Bolivar Phase I ESA

Site Address: 1700 S. Wommack Ave., Bolivar, MO

1) Did a search of recorded land title records (or judicial records where appropriate) identify any environmental liens filed or recorded against the property under federal, tribal, state, or local law (40 CFR 312.25)? No Yes If yes, please explain.

2) Did a search of recorded 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 property and/or have been filed or recorded against the property under federal, tribal, state, or local law (40 CFR 312.26)? No Yes If yes, please explain.

attached

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)? No Yes If yes, please explain.

4) Do you have actual knowledge of a lower purchase price because contamination is known or believed to be present at the site (40 CFR 312.29)? No Yes

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 releases or threatened releases (40 CFR 312.30)? No Yes If yes, please explain.

6) Based on your knowledge and experience related to the site, are there any obvious indicators that point to the presence or likely presence of contamination at the site (40 CFR 312.31)? No Yes If yes, please explain.

Please return this form with the signed and completed Agreement.

ASTM E1527-13 USER QUESTIONNAIRE

Proposal No: PB5167038

Request for Information and Documentation

In addition to the specific questions outlined above, the user is requested to provide the following information and documentation, as available. ASTM requires that this information, if available, be provided to the environmental professional prior to the site visit.

Item Supplied "X"	Not Applicable, Not Available or Not Known "X"	Item Requested (See Proposal)	Contacts/Comments or Indicate Attachment
X		Point of Contact for Access	Name/Phone: Tracy Slagle 417-414-7457
X		Current Site Owner	Bolivar Industrial Development Authority Name/Phone: 417-414-7457
	X	Current Facility Operator	Name/Phone:
	X	Contacts for Prior Owners	Name/Phone:
	X	Contacts for Prior Occupants	Name/Phone:
	X	Access Restrictions	
	X	Notification of Special Requirements Regarding Confidentiality	
X		Legal Description and Diagram / Survey of Site	
X		Chain of Title with Grantor/Grantee Summary (back to 1940 or first developed use)	
X		Reasons for Conducting ESA	MD Certified Site Program

Please return this form with the signed and completed Agreement.

Bolivar Business Park

1700 S. Wommack Ave.

Bolivar, MO 65613

Inquiry Number: 4703281.4

August 17, 2016

EDR Historical Topo Map Report

with QuadMatch™



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

EDR Historical Topo Map Report

08/17/16

Site Name:

Bolivar Business Park
1700 S. Wommack Ave.
Bolivar, MO 65613
EDR Inquiry # 4703281.4

Client Name:

Terracon
4765 W. Junction St
Springfield, MO 65802
Contact: Kameron Long



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. EDR's Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:**Coordinates:**

P.O.#	B5167038	Latitude:	37.600958 37° 36' 3" North
Project:	Bolivar Business Park	Longitude:	-93.441053 -93° 26' 28" West
		UTM Zone:	Zone 15 North
		UTM X Meters:	461067.74
		UTM Y Meters:	4161633.42
		Elevation:	1129.35' above sea level

Maps Provided:

2015
1981
1961
1892
1884

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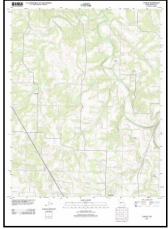
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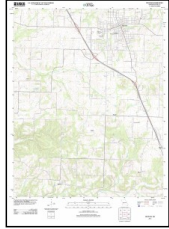
Topo Sheet Key

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

2015 Source Sheets



Cliquot
2015
7.5-minute, 24000



Bolivar
2015
7.5-minute, 24000

1981 Source Sheets

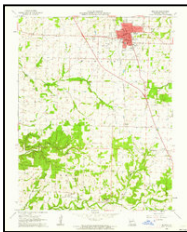


Cliquot
1981
7.5-minute, 24000
Photo Revised 1981
Aerial Photo Revised 1980



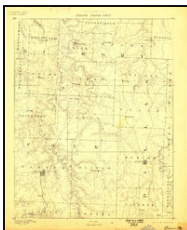
Bolivar
1981
7.5-minute, 24000
Photo Revised 1981
Aerial Photo Revised 1981

1961 Source Sheets



Bolivar
1961
7.5-minute, 24000
Aerial Photo Revised 1959

1892 Source Sheets



Bolivar
1892
30-minute, 125000

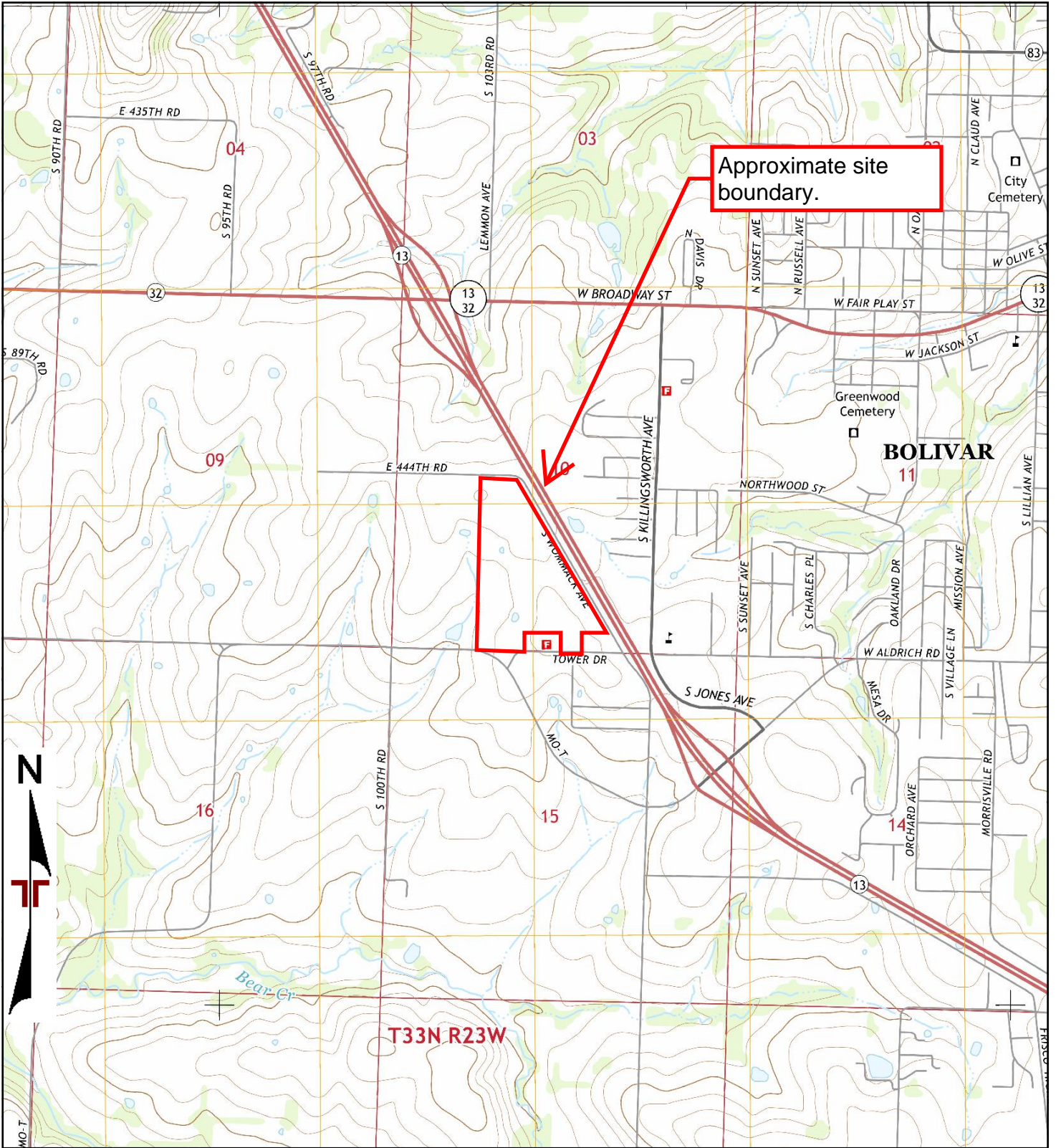
Topo Sheet Key

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

1884 Source Sheets



Bolivar
1884
30-minute, 125000

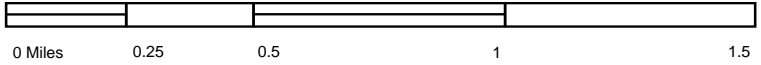


Approximate site boundary.



T33N R23W

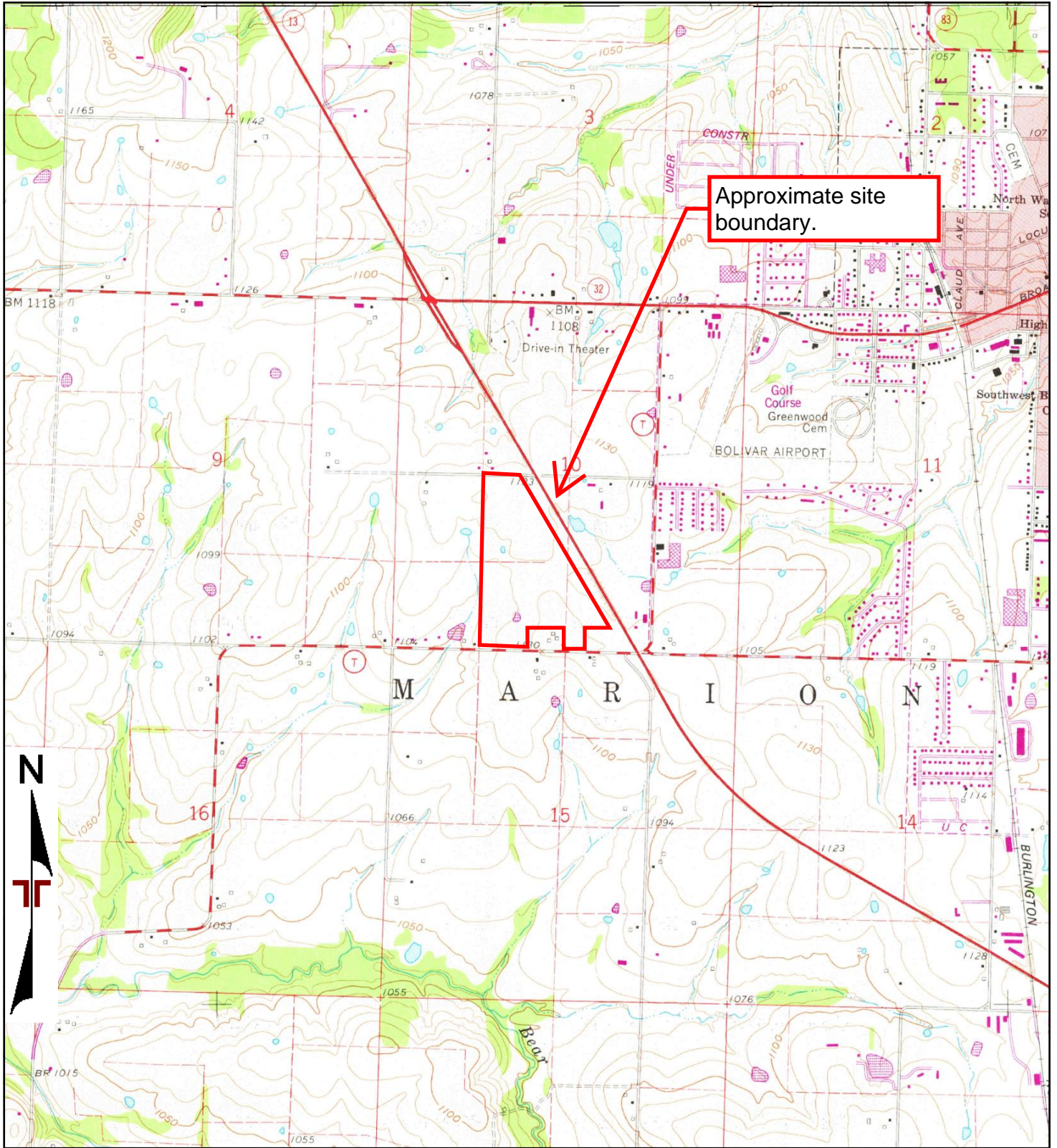
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N, Cliquot, 2015, 7.5-minute



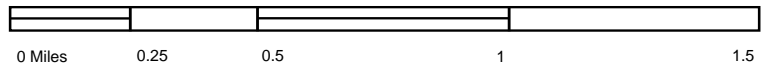
Project Manager:	Project No.
Drawn by:	Scale:
Checked by:	File Name:
Approved by:	Date: 2015



2015 TOPOGRAPHIC MAP	



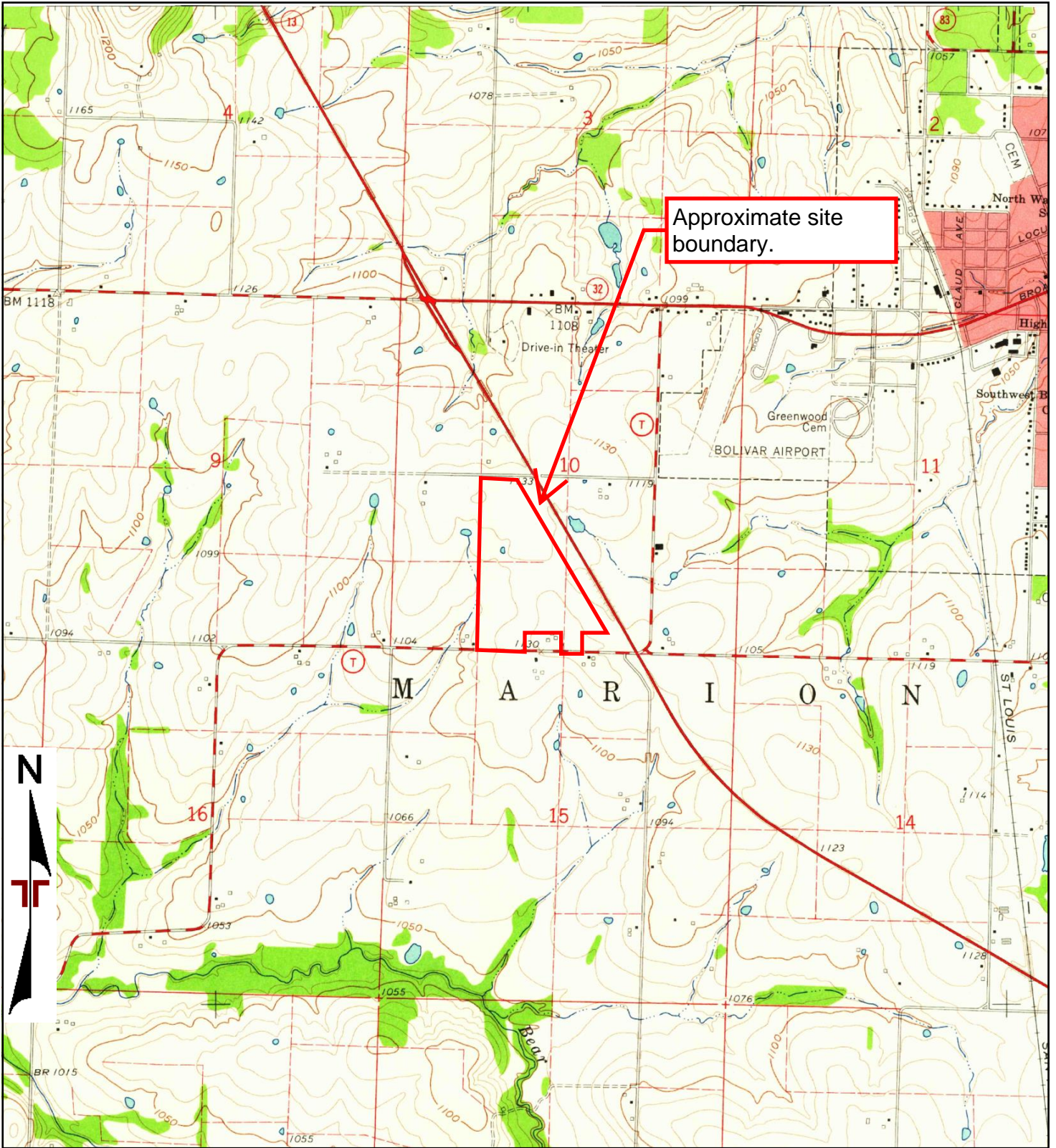
TP, Bolivar, 1981, 7.5-minute
 N, Cliquot, 1981, 7.5-minute



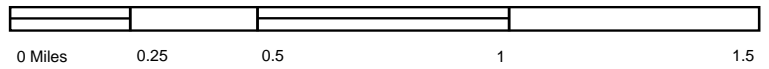
Project Manager:	Project No.
Drawn by:	Scale:
Checked by:	File Name:
Approved by:	Date: 1981



1981 TOPOGRAPHIC MAP	



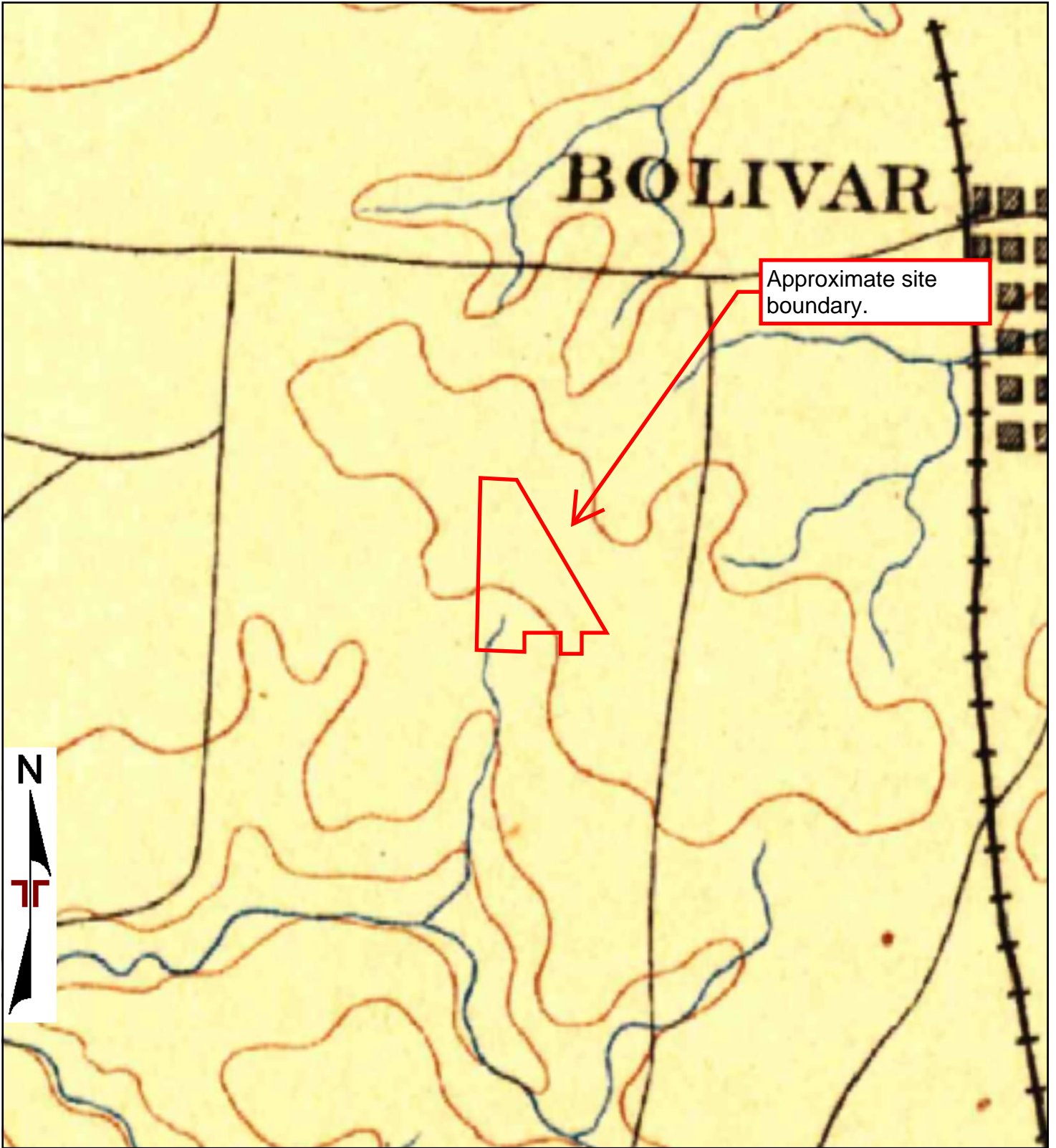
TP, Bolivar, 1961, 7.5-minute



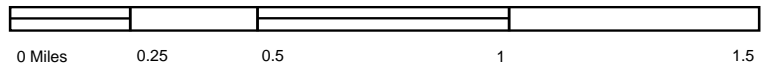
Project Manager:	Project No.
Drawn by:	Scale:
Checked by:	File Name:
Approved by:	Date: 1961



1961 TOPOGRAPHIC MAP	



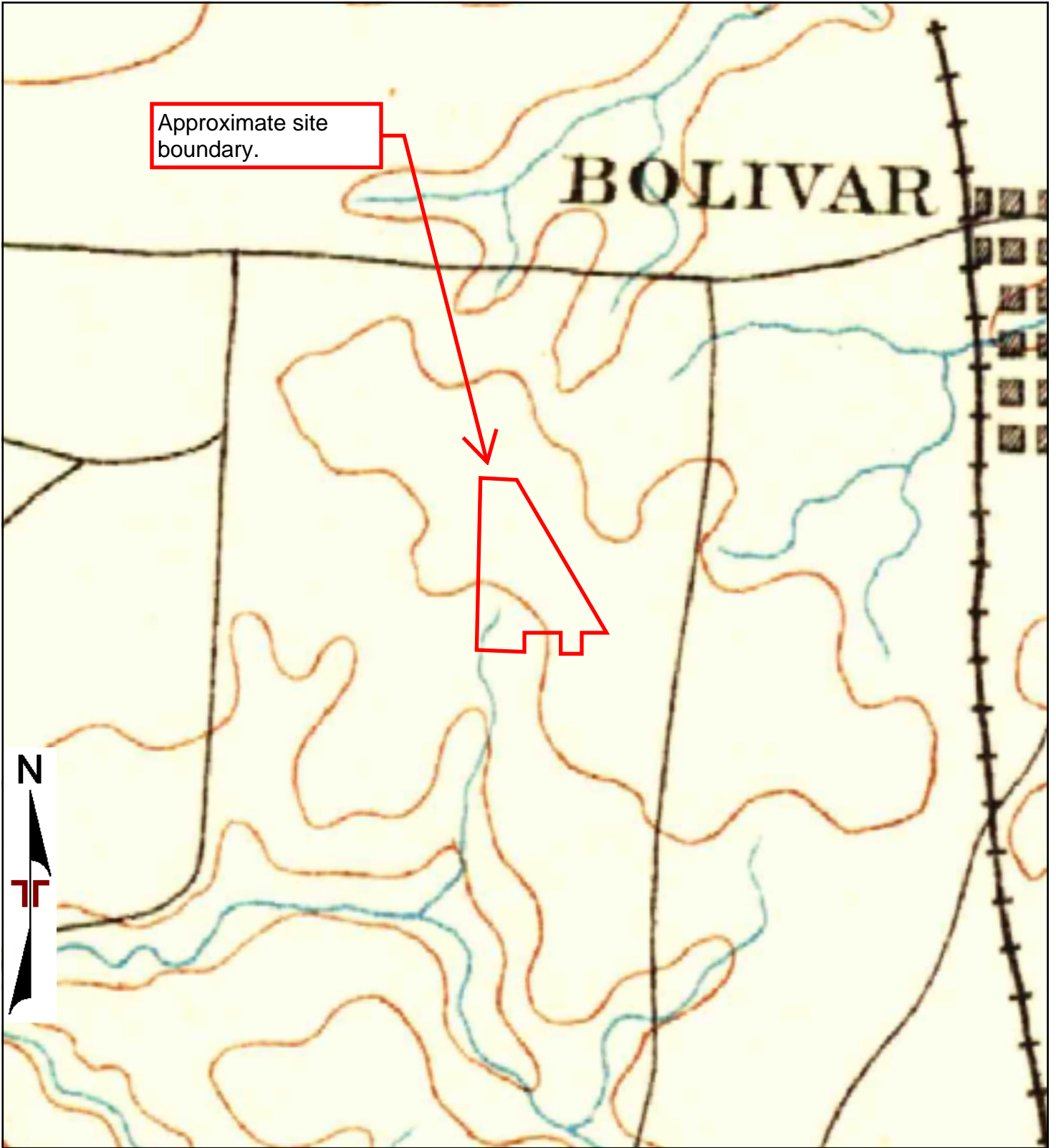
TP, Bolivar, 1892, 30-minute



Project Manager:	Project No.
Drawn by:	Scale:
Checked by:	File Name:
Approved by:	Date: 1892



1892 TOPOGRAPHIC MAP	

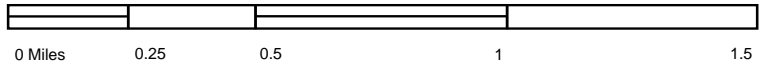


Approximate site boundary.

BOLIVAR




TP, Bolivar, 1884, 30-minute



Project Manager:	Project No.
Drawn by:	Scale:
Checked by:	File Name:
Approved by:	Date: 1884



1884 TOPOGRAPHIC MAP	



Bolivar Business Park
1700 S. Wommack Ave.
Bolivar, MO 65613

Inquiry Number: 4703281.9
August 18, 2016

The EDR Aerial Photo Decade Package



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

Site Name:

Bolivar Business Park
 1700 S. Wommack Ave.
 Bolivar, MO 65613
 EDR Inquiry # 4703281.9

Client Name:

Terracon
 4765 W. Junction St
 Springfield, MO 65802
 Contact: Kameron Long



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

Search Results:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2010	1"=500'	Flight Year: 2010	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2007	1"=500'	Flight Year: 2007	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
1997	1"=500'	Acquisition Date: March 20, 1997	USGS/DOQQ
1990	1"=500'	Flight Date: February 17, 1990	USGS
1984	1"=1000'	Flight Date: April 06, 1984	USGS
1980	1"=1000'	Flight Date: March 21, 1980	USGS
1953	1"=500'	Flight Date: September 12, 1953	USDA
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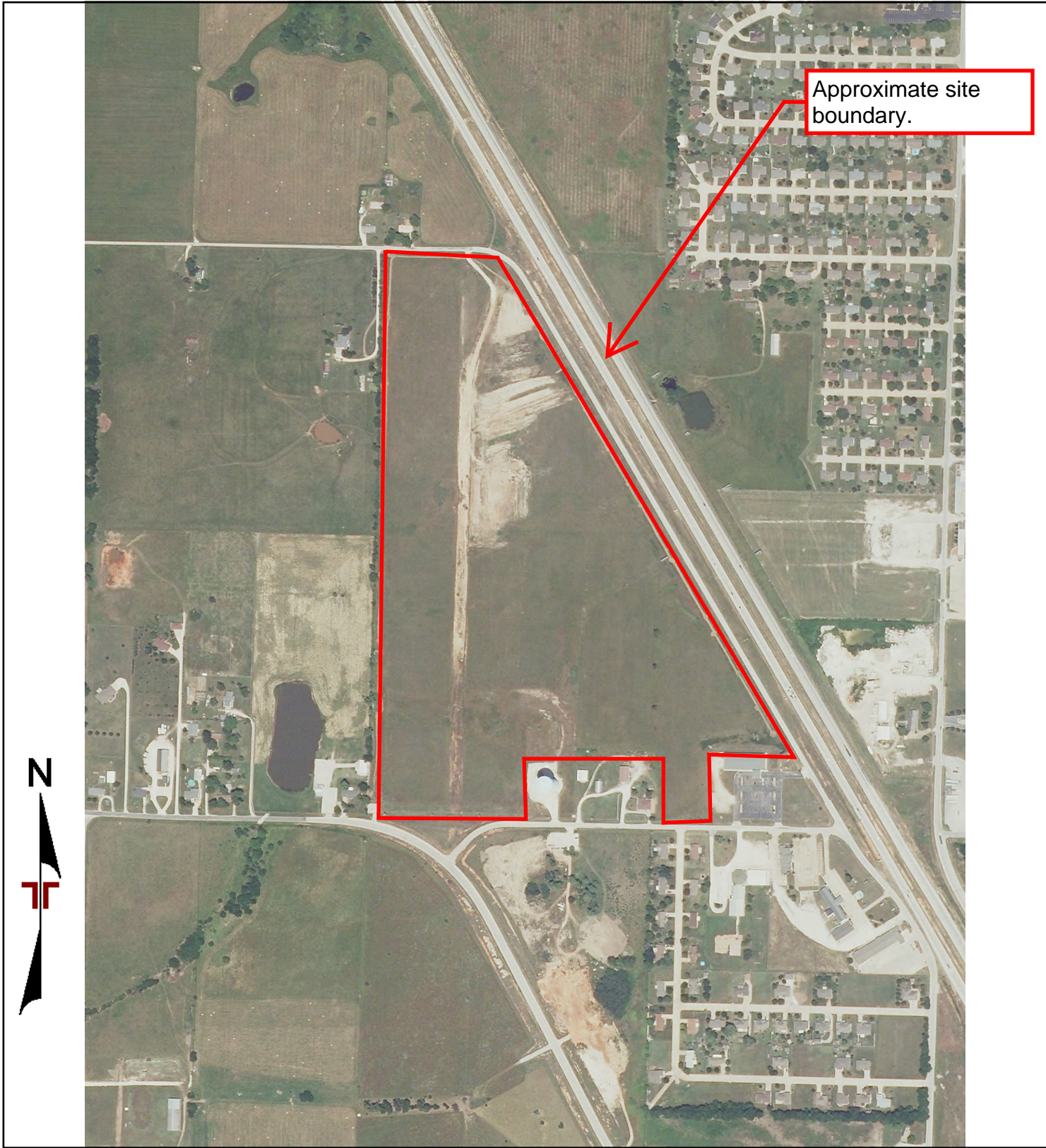
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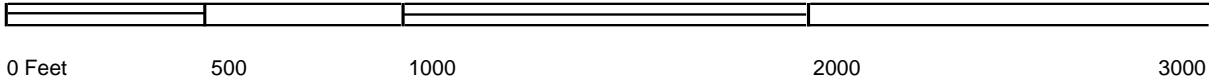
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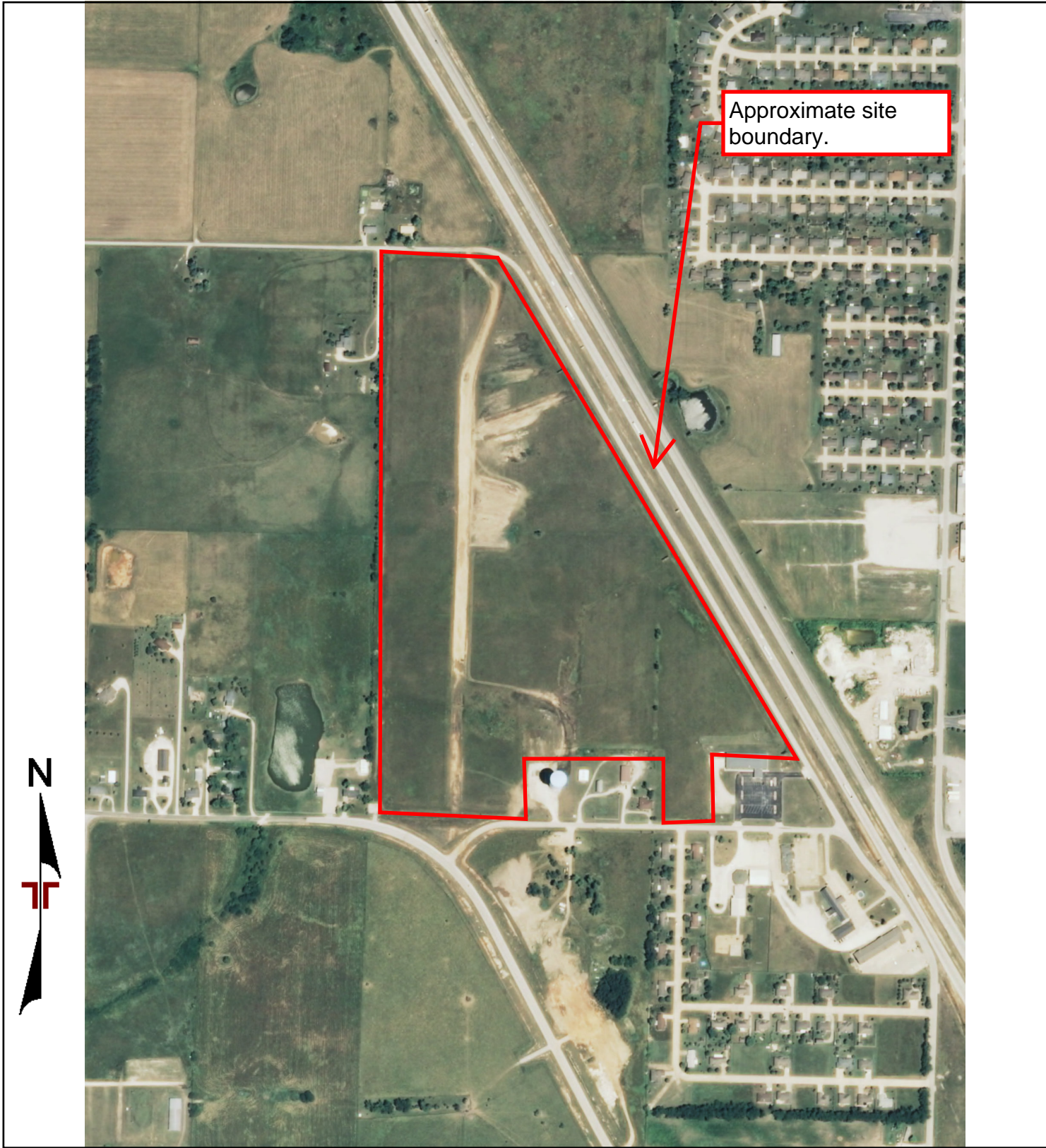
Approximate site boundary.



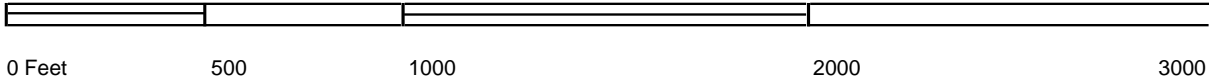
Project Manager:	Project No.
Drawn by:	Scale:
Checked by:	File Name:
Approved by:	Date: 2012



2012 AERIAL PHOTOGRAPH



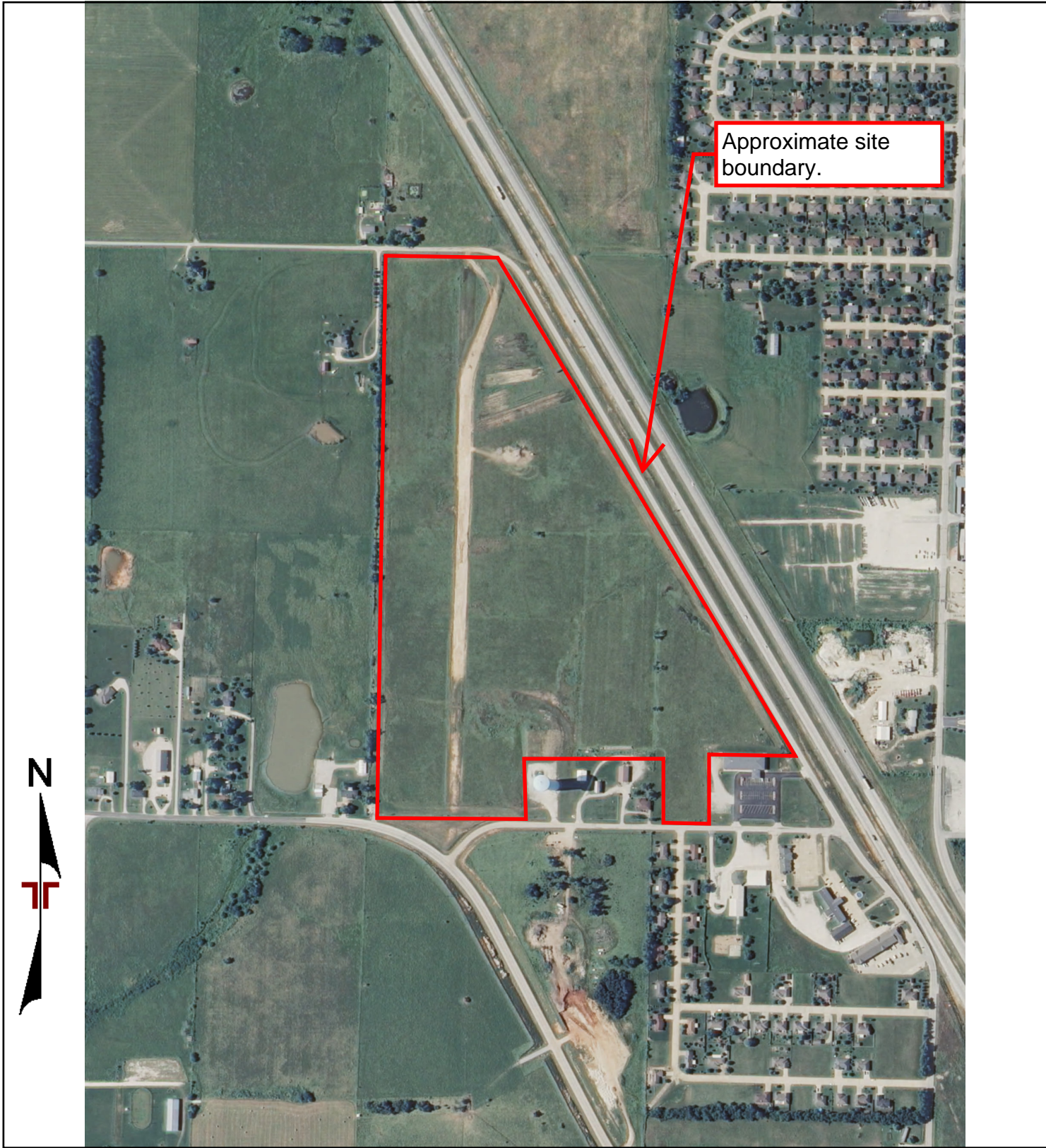
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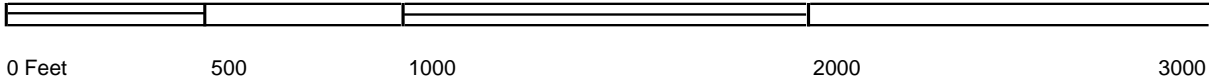
Project Manager:	Project No.
Drawn by:	Scale:
Checked by:	File Name:
Approved by:	Date: 2010



2010 AERIAL PHOTOGRAPH	



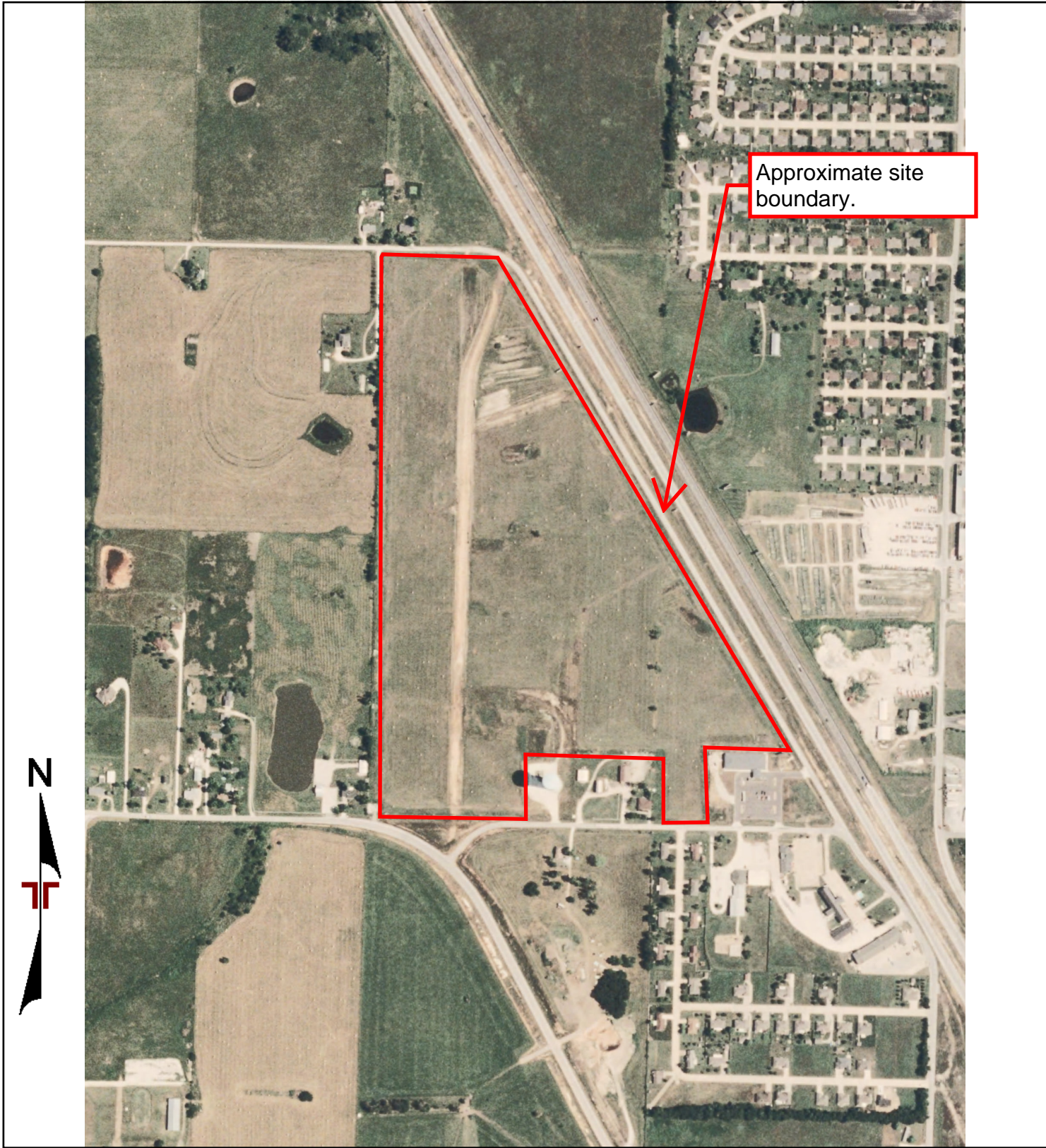
Approximate site boundary.



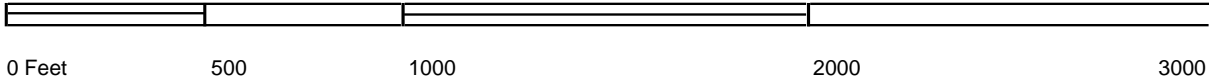
Project Manager:	Project No.
Drawn by:	Scale:
Checked by:	File Name:
Approved by:	Date: 2009



2009 AERIAL PHOTOGRAPH



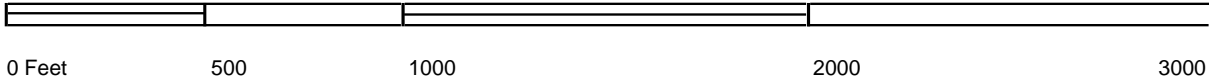
Approximate site boundary.



Project Manager:	Project No.
Drawn by:	Scale:
Checked by:	File Name:
Approved by:	Date: 2007



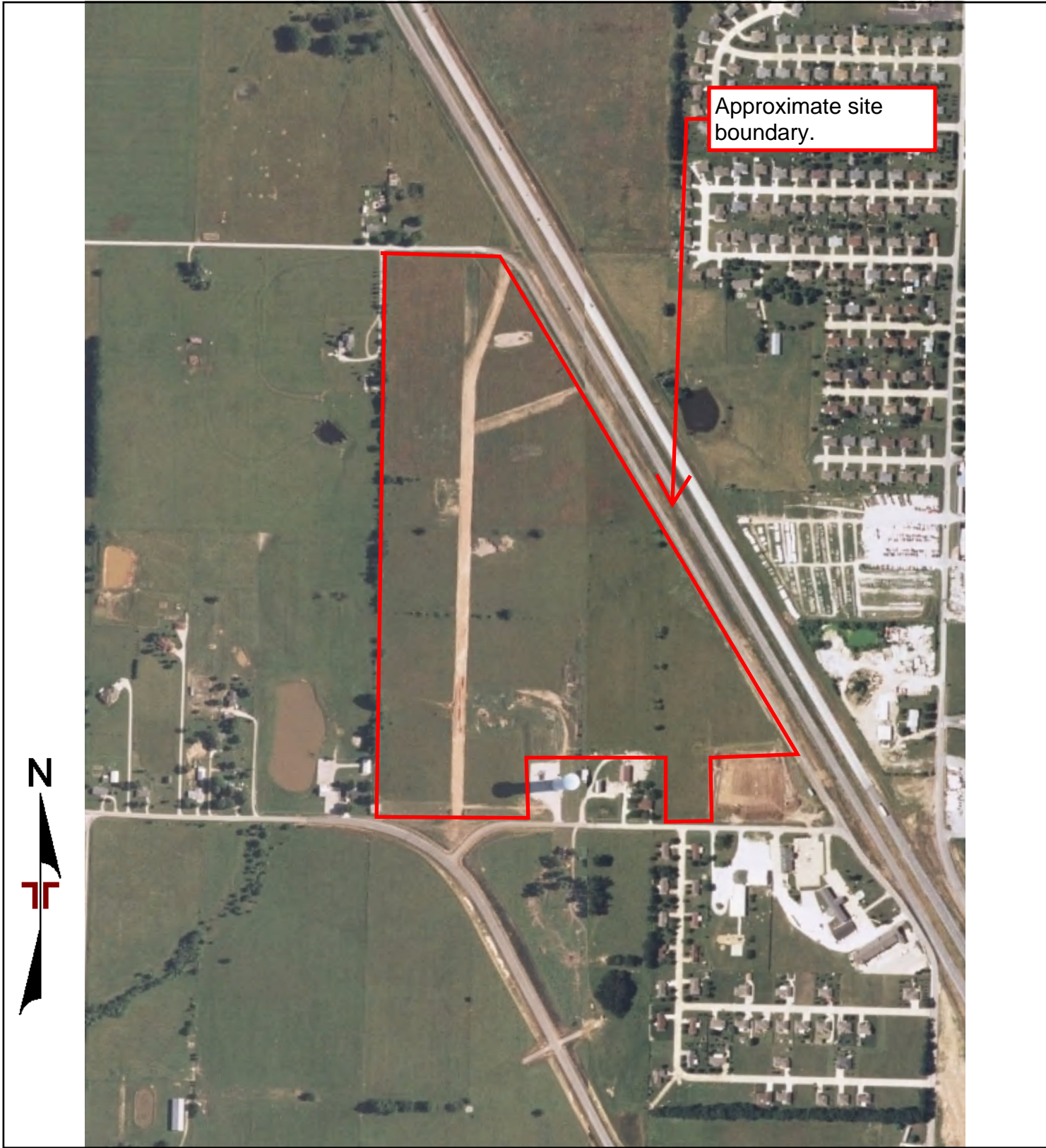
2007 AERIAL PHOTOGRAPH



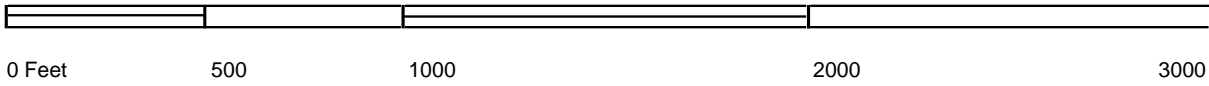
Project Manager:	Project No.
Drawn by:	Scale:
Checked by:	File Name:
Approved by:	Date: 2006



2006 AERIAL PHOTOGRAPH



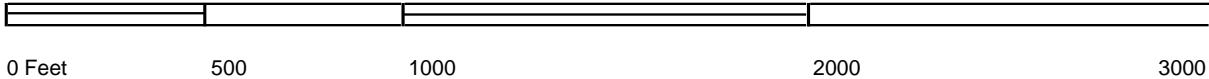
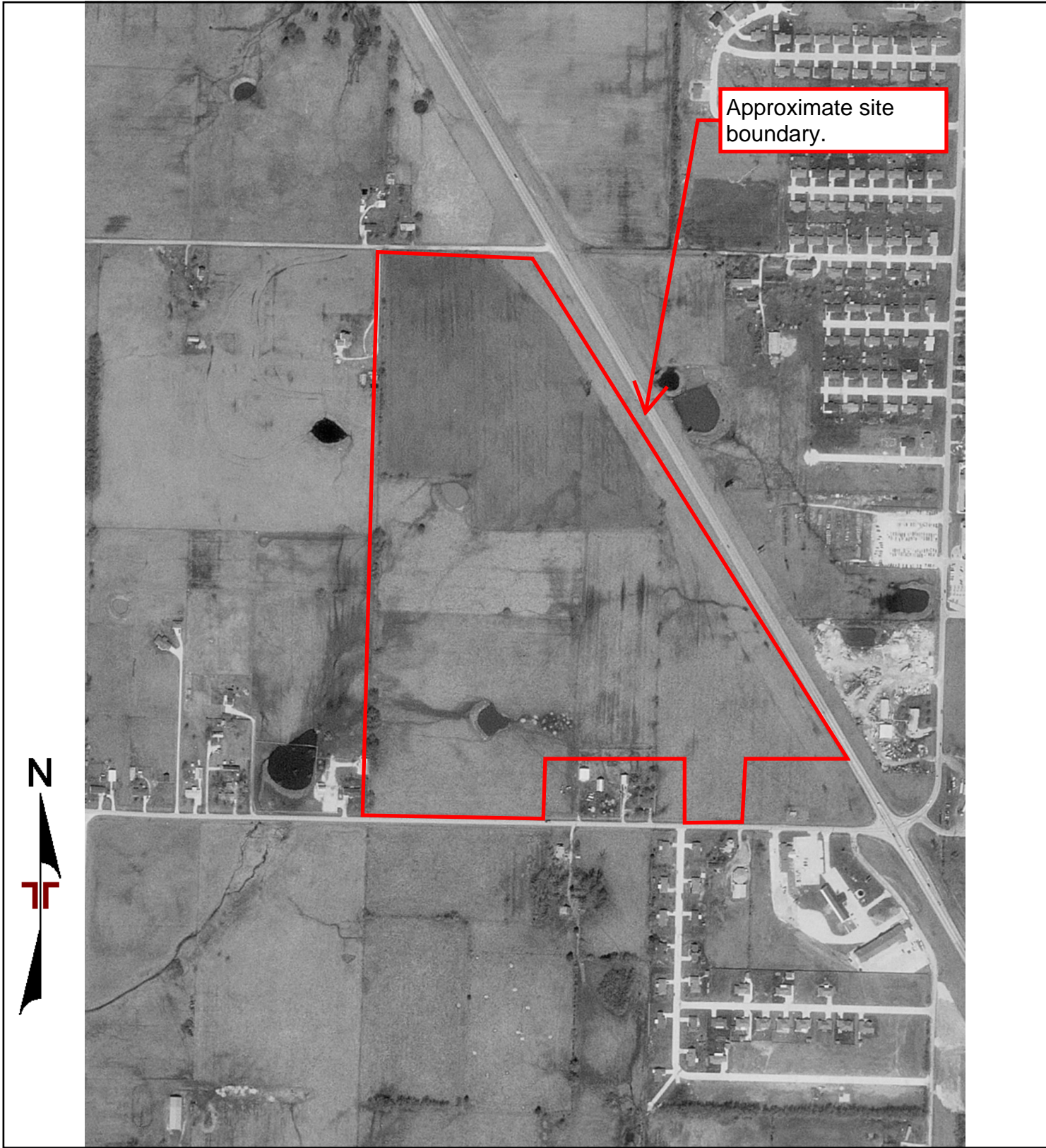
Approximate site boundary.



Project Manager:	Project No.
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Approved by:	Date: 2005



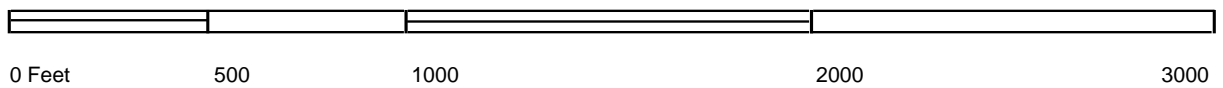
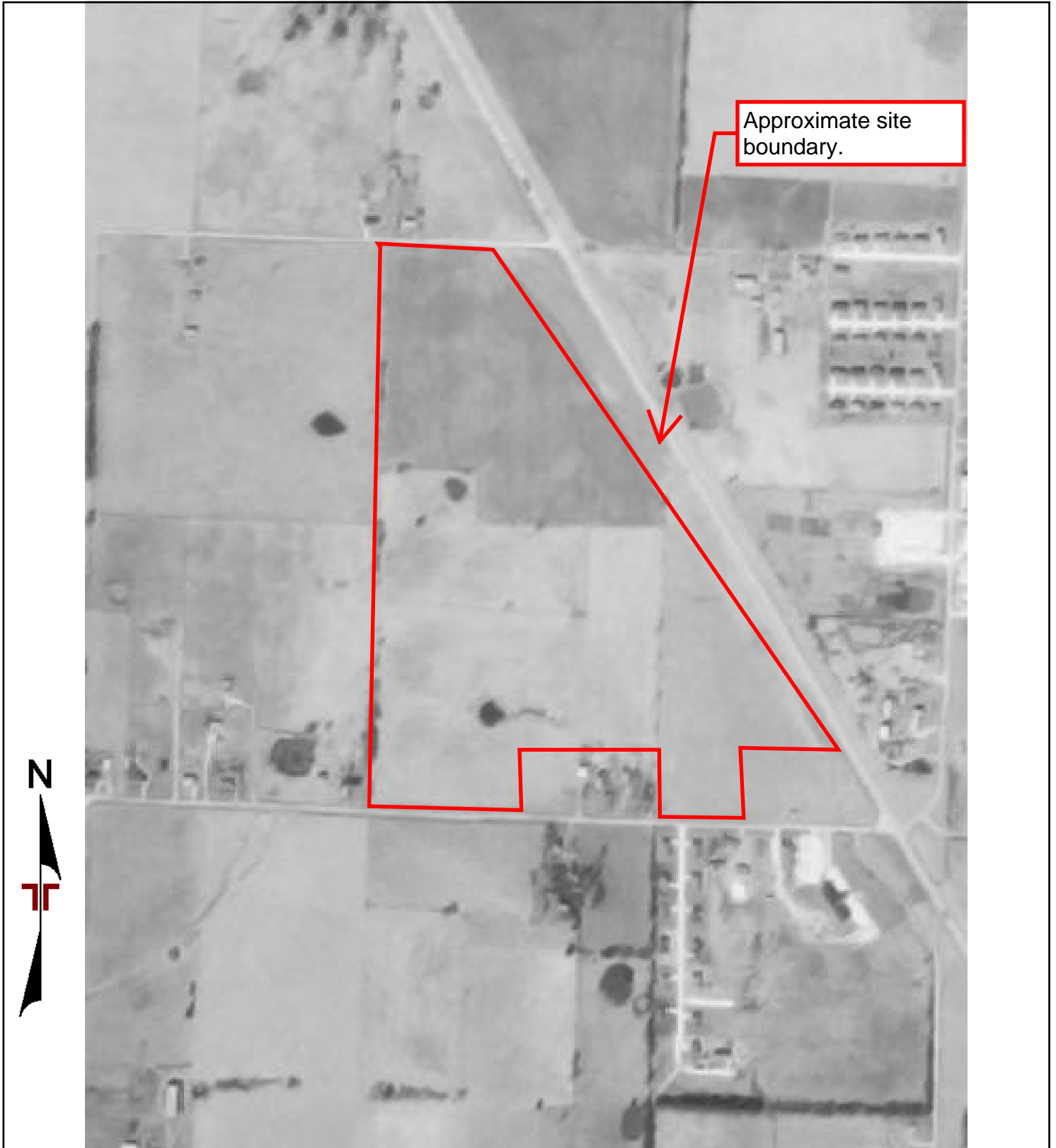
2005 AERIAL PHOTOGRAPH



Project Manager:	Project No.
Drawn by:	Scale:
Checked by:	File Name:
Approved by:	Date: 1997

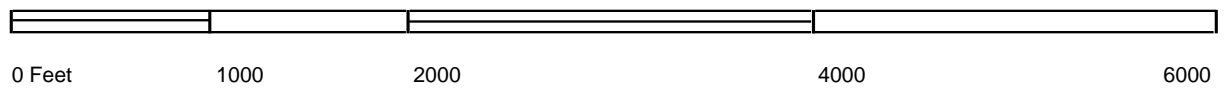


1997 AERIAL PHOTOGRAPH	



Project Manager:	Project No.		1990 AERIAL PHOTOGRAPH	
Drawn by:	Scale:			
Checked by:	File Name:			
Approved by:	Date: 1990			

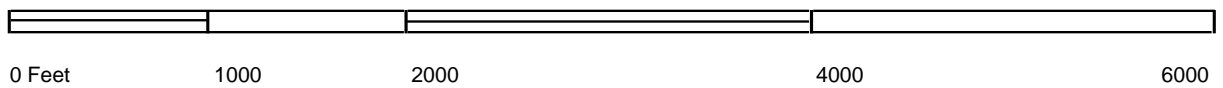
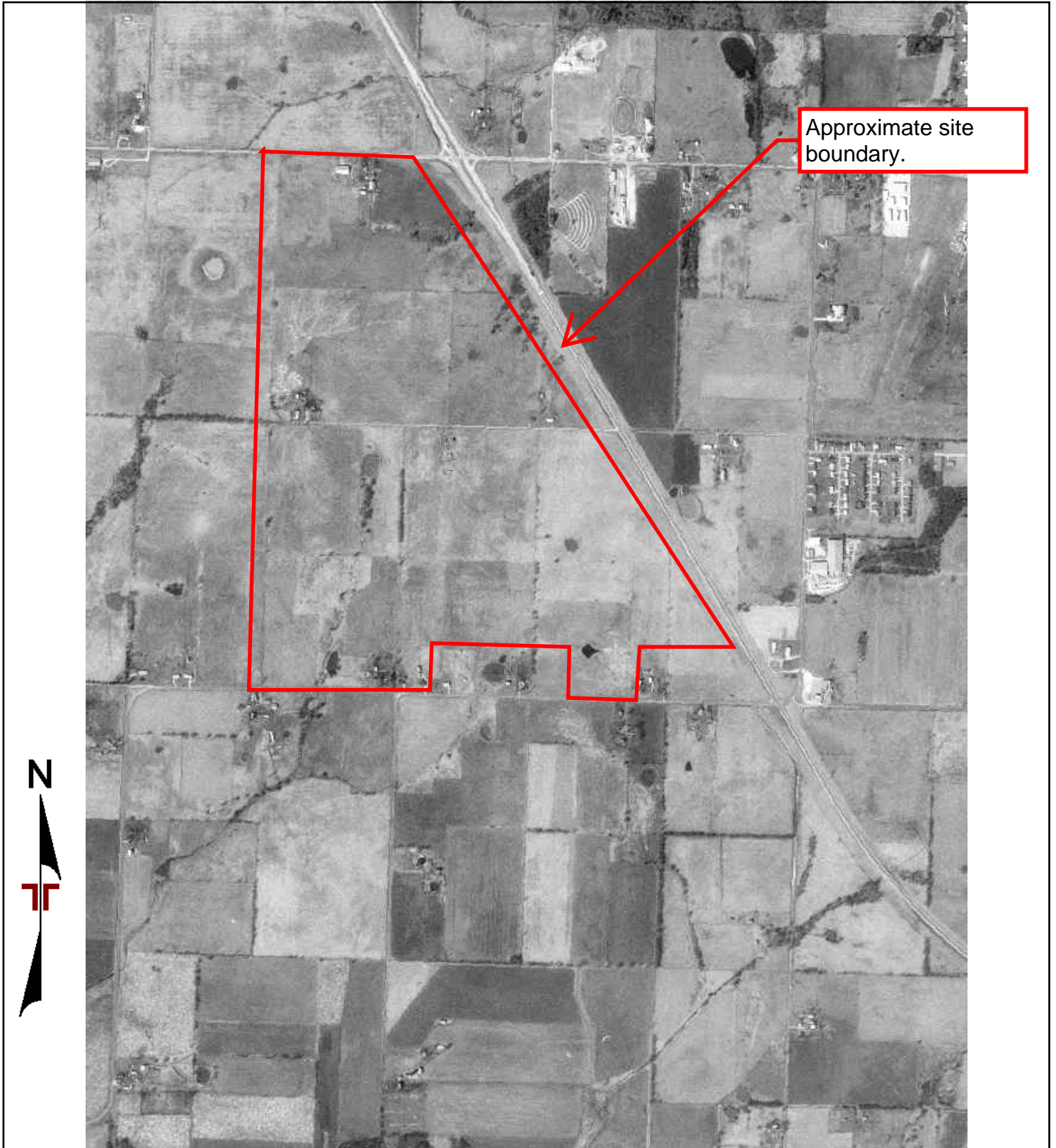
Approximate site boundary.



Project Manager:	Project No.
Drawn by:	Scale:
Checked by:	File Name:
Approved by:	Date: 1984



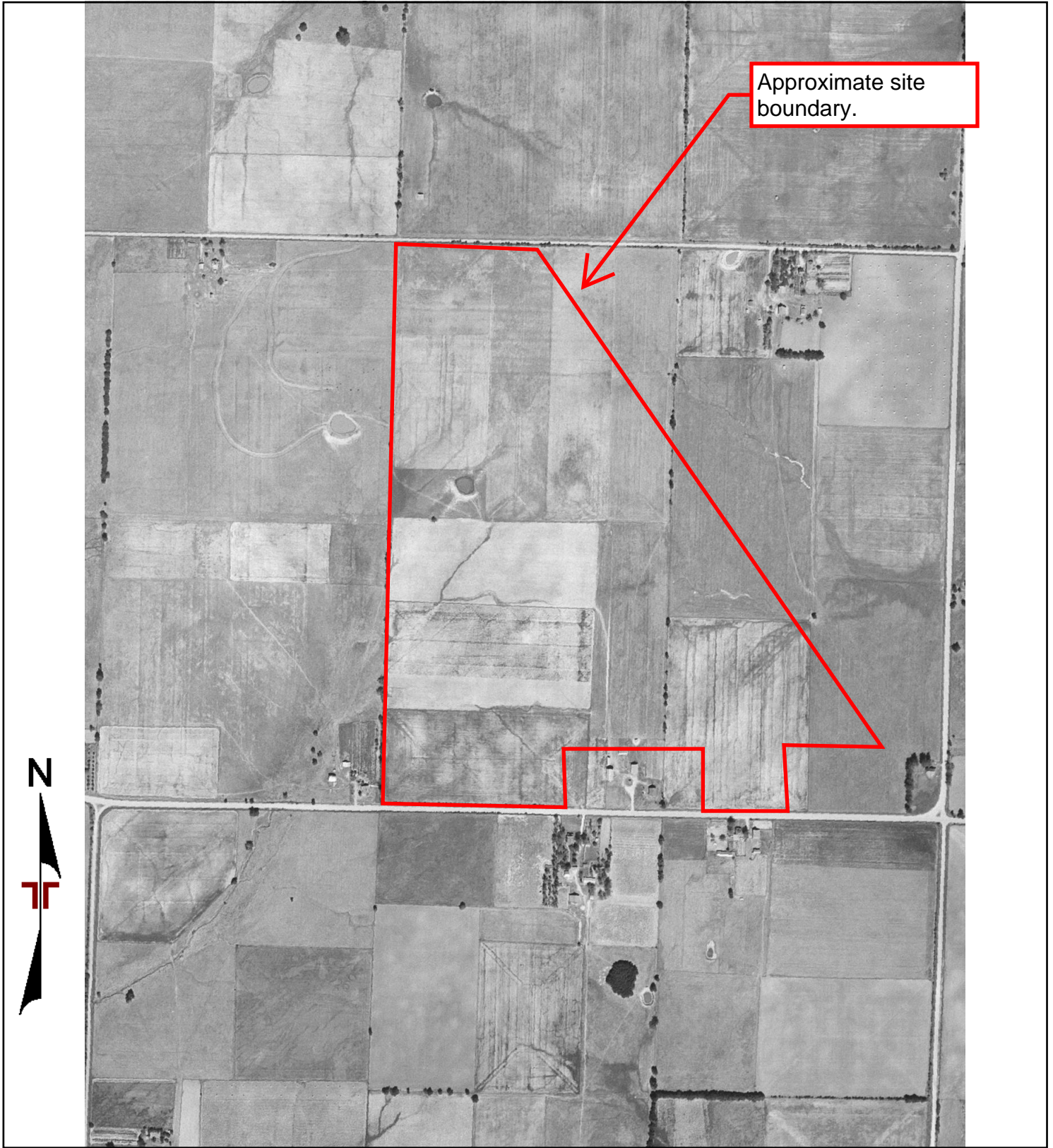
1984 AERIAL PHOTOGRAPH	



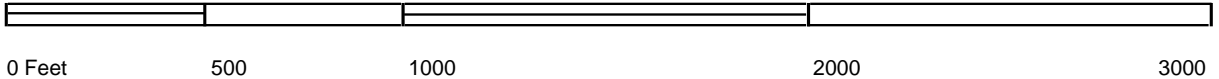
Project Manager:	Project No.
Drawn by:	Scale:
Checked by:	File Name:
Approved by:	Date: 1980



1980 AERIAL PHOTOGRAPH	



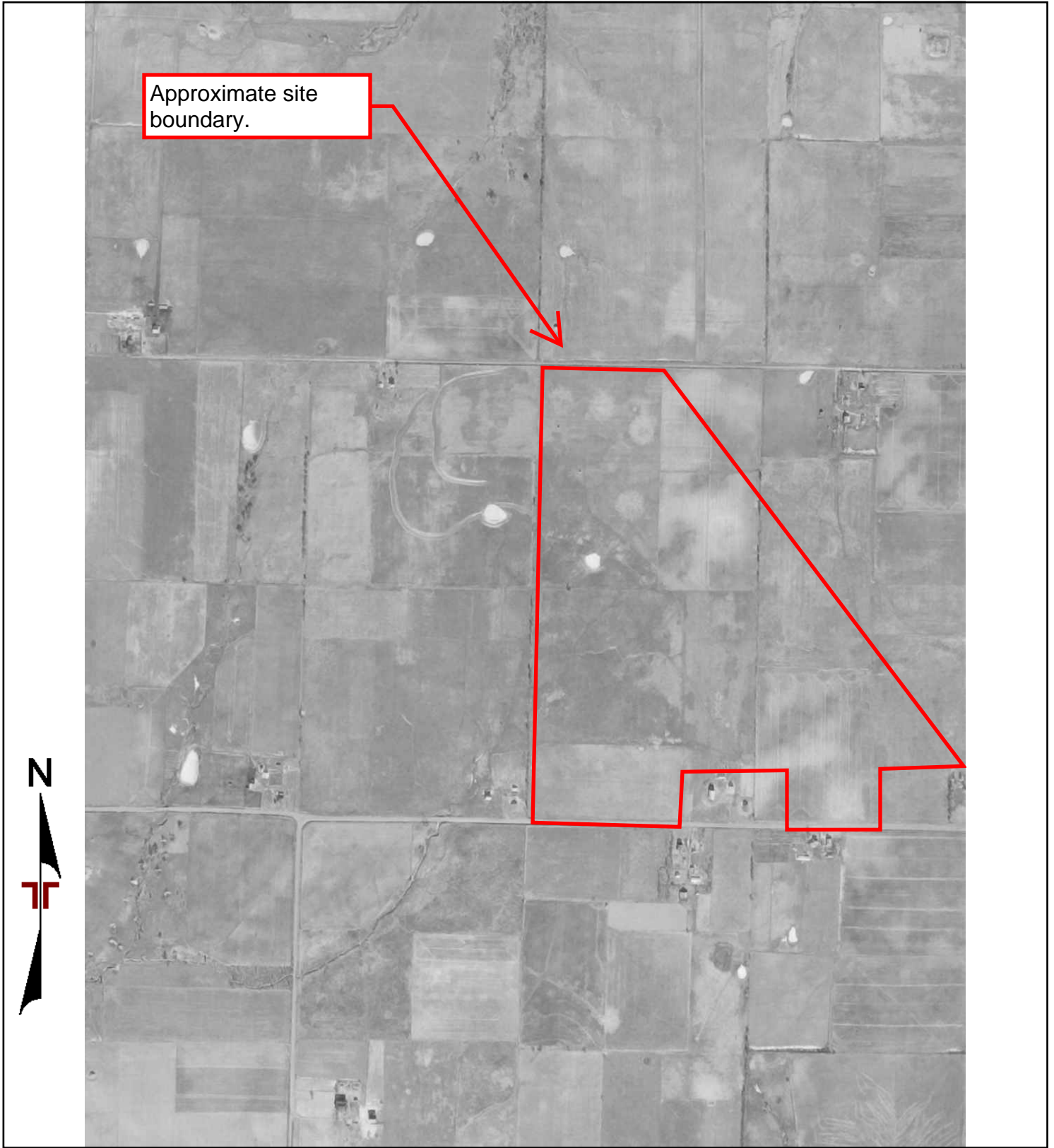
Approximate site boundary.



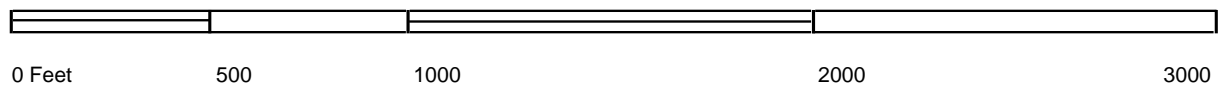
Project Manager:	Project No.
Drawn by:	Scale:
Checked by:	File Name:
Approved by:	Date: 1953



1953 AERIAL PHOTOGRAPH	



Approximate site boundary.



Project Manager:	Project No.
Drawn by:	Scale:
Checked by:	File Name:
Approved by:	Date: 1950



1950 AERIAL PHOTOGRAPH

TITLE INSURANCE
ABSTRACTS
CLOSINGS
FAX NUMBER
(417) 326-6160

**SHELL TITLE COMPANY &
POLK COUNTY ABSTRACT**

Serving Polk County since 1870
P.O. Box 24: 818 S. Springfield Avenue
BOLIVAR, MO 65613

(417) 326-LAND (417) 326-4331



To: Sidney Allen
LOCATION: _____
E-Mail: _____
FAX No. _____

FROM: Janet
LOCATION: Shell Title Co.
E-Mail: jstalker@shelltitle.com
FAX NUMBER: 417-326-6160
TELEPHONE: 417-326-4331

NOTES: TR copies for Industrial Dev. Authority

DATE: 8-8-16
Number of pages including cover sheet 38.

Closing contact EMAIL: bpearson@shelltitle.com

SHELL TITLE CO.
818 S. Springfield Ave., P.O. Box 24
Bolivar, Mo. 65613
Ph. 417-326-4331
Fax 417-326-6160
EMAIL: bpearson@shelltitle.com

DATE: August 8, 2016

To: City of Bolivar
Attn: Sidney Allen

Re: Industrial Development Authority
Pt. 10-33-23

File #1607-061

Title Report \$150.00

TOTAL : \$150.00

STATEMENT

TITLE INSURANCE
ABSTRACTS
CLOSINGS
FAX NUMBER
(417) 326-6160

**SHELL TITLE COMPANY &
POLK COUNTY ABSTRACT**

Serving Polk County since 1870

109 EAST BROADWAY
BOLIVAR, MO 65613

(417) 326-LAND (417) 326-4331



TO: City of Bolivar
Attn: Sidney Allen

\$150.00
File #1607-061

IN RE: See Attached Legal Description in Warranty Deed recorded in Book 562, Page 1086; less & except Book 614, Page 1439; less & except Book 675, Page 317; less & except Book 734, Page 256.

We have searched the records in Polk County, Missouri, and do hereby certify that we find the following in regard to the described land and the purported record owners thereof;

PURPORTED OWNERS:

SUBJECT:

1. **Waterline Easement in Book 605, Page 369.**
2. **Sewer Easement in Book 605, Page 371.**
3. **Survey in Survey Book 2, Page 20.**
4. **Survey in Survey Book 8, Page 115.**
5. **Survey in Survey Book 11, Page 10.**
6. **Warranty Deed in Book 614, Page 1439. (Sell-off)**
7. **Covenants, Conditions & Restrictions in Book 645, Page 991.**
8. **Amendment Number One to Covenants, Conditions & Restrictions in Book 675, Page 66.**
9. **Warranty Deed in Book 675, Page 317. (Sell-off)**
10. **Warranty Deed in Book 734, Page 256. (Sell-off)**

COPIES ATTACHED.

REQUEST FOR NOTICE OF SALE: NONE

JUDGMENTS: NONE

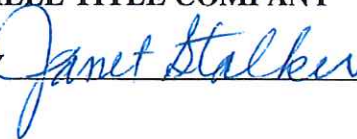
TAX LIENS: NONE

TAXES: TAX EXEMPT

SPECIAL NOTE: Since no search has been made as to whether the grantors in the instruments referred to above actually owned the property attempted to be conveyed, nor as to whether the above instruments are a valid conveyance, this certificate cannot be relied upon as establishing Ownership, but is only intended to show the names of the person(s) presently appearing to claim ownership as reflected by the above records, and the encumbrances above described. THIS SHOULD NOT BE CONSTRUED AS A TITLE OPINION. Liability of the Company under this certificate is limited to the amount paid for the same. This certificate extends from December 29, 1993 at 3:40 p.m. to July 27, 2016 at 8:00 a.m..

SHELL TITLE COMPANY

BY

A handwritten signature in blue ink, reading "Janet Stalker", is written over a horizontal line.

This certificate does not include financing statements filed in compliance with the Commercial Code when said statements are not recorded in the real estate volumes, however we found none in the time period above described unless otherwise shown above. Judgments are certified to a three year period preceding July 27, 2016 at 8:00 a.m. and included in the search was:

Industrial Development Authority of the City of
Bolivar

562/1086

01086

WARRANTY DEED

THIS INDENTURE, made on the 29th day of December, 1993, by and between GEORGE W. POWELL, Individually and as Trustee of the George W. Powell Trust and ILA M. POWELL, Individually and as Trustee of the Ila M. Powell Trust, as parties of the first part, whether one or more, and THE INDUSTRIAL DEVELOPMENT AUTHORITY OF THE CITY OF BOLIVAR, a Missouri Industrial Development Corporation, of the County of Polk, in the State of Missouri, hereinafter referred to as party of the second part, whether one or more. Mailing address of said first named grantee is P O Box 9, Bolivar MO 65613.

WITNESSETH, that the said parties of the first part, in consideration of the sum of Ten and No/100 Dollars (\$10.00) and other good and valuable consideration to them paid by the said party of the second part, the receipt of which is hereby acknowledged, do by these presents, GRANT, BARGAIN, AND SELL, CONVEY, AND CONFIRM, unto the said party of the second part, its successors and assigns, the following described lots, tracts or parcels of land, lying, being and situate in the County of Polk and State of Missouri, to-wit:

Tract I: (As owned by Grantors individually) All that part of the West Half of the Southeast Quarter of Section 10, Township 33 North, Range 23 West lying South and West of State Highway Route 13 as now located, except any part off the South side thereof for public road and highway and less and except the abutter's right of direct access between said Route 13 and the abutting land in the West Half of the Southeast Quarter of Section 10, Township 33 North, Range 23 West as provided in the Report of Commissioner's recorded in Book 274, Page 244;

Tract II: (As owned by Grantor Trusts) All that part of the East Half of the Southwest Quarter of Section 10, Township 33 North, Range 23 West, which lies West of State Highway Route 13 as now located,

Less and Except the abutter's right of direct access between said Route 13 and the abutting land in the Northeast Quarter of the Southwest Quarter of Section 10, Township 33 North, Range 23 West as provided in the Right of Way Deed to the State of Missouri recorded in Book 267, Page 601. Subject to public road along the North side thereof;

Also except a tract of land in the Southeast Quarter of the Southwest Quarter of Section 10, Tbnwship 33 North, Range 23 West described as beginning at the Southeast Corner of said Southeast Quarter of the Southwest Quarter, thence 349.5 feet, thence West 162.0 feet, thence South 349.5 feet, thence East 162.0 feet to the point of beginning, less that part for public right of way;

Also except a tract of land in the Southeast Quarter of the Southwest Quarter of Section 10, Tbnwship 33 North, Range 23 West described as commencing at the Southeast Corner of said Southeast Quarter of the Southwest Quarter, thence North 88 degrees 08 minutes 52 seconds West along the South line of said

Quarter-Quarter a distance of 162.0 feet; thence North 2 degrees 17 minutes 43 seconds East and parallel to the East line of said Southwest Quarter a distance of 30.05 feet to a point on the North Right of Way of "T" Highway and the true point of beginning of the tract to be herein described; thence North 2 degrees 17 minutes 43 seconds East a distance of 246.08 feet; thence North 88 degrees 18 minutes 10 seconds West a distance of 198.32 feet; thence South 1 degree 36 minutes 42 seconds West a distance of 245.13 feet to a point on said Right of Way; thence South 88 degrees 18 minutes 10 seconds East along said Right of Way a distance of 195.28 feet to the true point of beginning.

Subject to easements and restrictions and situate in Polk County, Missouri.

TO HAVE AND TO HOLD the premises aforesaid, with all and singular the rights, privileges, appurtenances, and immunities thereto belonging, or in anywise appertaining, unto the said party of the second part, and unto its successors and assigns forever; the said parties of the first part each separately covenanting that they are lawfully seized of an indefeasible estate in fee in the tracts noted above; that they have good right to convey the tracts noted above; that the said premises are free and clear of any encumbrances done or suffered by them or those under whom they claim and that they will warrant and defend the title to the said tracts noted above unto the said party of the second part and unto its successors and assigns forever, against the lawful claims and demands of all persons whomsoever.

AND THE SAID PARTIES OF THE FIRST PART FURTHER COVENANT AND WARRANT that the terms and provisions of the aforesaid Trust Agreement grant to the Trustee them full power and authority to sell, convey, mortgage, or otherwise deal in and with real estate in their capacities of Trustees.

AND IT IS FURTHER COVENANTED AND AGREED that there are no other provisions of the Trust Agreement which limit, restrict, or require the approval of any third person to exercise the power to sell and convey said real estate.

Reference herein to the masculine singular shall refer to all parties that the context shall require, whether masculine, feminine, or neuter, and whether one or more.

IN WITNESS WHEREOF, this deed has been executed the day and year first above written.

George W. Powell
George W. Powell, Individually and as
Trustee of the George W. Powell Trust.

Ila M. Powell
Ila M. Powell, Individually and as
Trustee of the Ila M. Powell Trust.

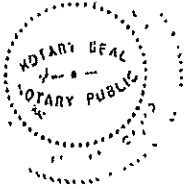
01088

STATE OF MISSOURI)
) ss.
COUNTY OF POLK)

On this 29th day of December, 1993, before me personally appeared George W. Powell, Individually, and George W. Powell as Trustee of the George W. Powell Trust and Ila M. Powell, Individually, and Ila M. Powell as Trustee of the Ila M. Powell Trust, to me known to be the persons described in and who executed the foregoing instrument, and did say that they are the Trustee of their respective Trust, that said Trusts remain fully effective, that they have full power and authority under said Trust Agreements to sell or convey the premises herein described, and the said George W. Powell and Ila M. Powell, both individually and as Trustees each acknowledged that they executed the same as their free act and deed as such Trustees.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal, at my office in Bolivar, Missouri the day and year first above written.

My term of office as a Notary Public will expire 4/18/1996



Brenda Pearson
Brenda Pearson, Notary Public

5982
STATE OF MISSOURI)
COUNTY OF POLK)

Filed for record 29th day of December, 1993
at 3 o'clock 40 minutes P m and duly
recorded in book 562 at page 1086-1088

Witness my hand and official seal this day and year
above written
Sharon Payne Deputy
Vesta Seiner, Recorder

WATERLINE EASEMENT

KNOW ALL MEN BY THESE PRESENTS:

That in consideration of One Dollar (\$1.00) and other good and valuable consideration paid to INDUSTRIAL DEVELOPMENT AUTHORITY OF THE CITY OF BOLIVAR, MISSOURI, hereinafter referred to as GRANTOR, by the City of Bolivar, Missouri, P.O. Box 9, Bolivar, Missouri 65613, hereinafter referred to as GRANTEE, the receipt of which is hereby acknowledged, the GRANTOR does hereby grant, bargain, sell, transfer, and convey unto the GRANTEE, its successors and assigns, an easement to grantee, its agent and employees, to construct, install, operate and maintain or replace a water under, over and across the land of the GRANTOR situate in Polk County, State of Missouri, being described as follows:

7.5 feet on the North and West sides and variable on the South side to the North Right-of-Way of Missouri Highway "T" and variable on the East side of the West Right-of-Way of Missouri Highway "13" of the following described centerlines. Beginning North 76° 47' 46" East 154.63 feet from the Southwest Corner of the West One-Half (W 1/2) of the Southeast Quarter (SE 1/4) of Section 10, Township 33 North, Range 23 West, thence South 88° 21' 48" East 647.00 feet, thence North 03° 36' 45" East 90.00 feet, thence North 07° 04' 05" West 10.00 feet to a "Tee", thence North 82° 52' 30" East 5.00 feet, thence North 60° 25' 38" East to the West Right-of-Way of Missouri Highway "13" and beginning at said "Tee" thence North 07° 04' 57" West 15.00 feet.

The consideration hereinabove recited shall constitute payment in full for any damages to the land of the GRANTOR, their successors and assigns, by the reason of the installation, operation and maintenance of the structures or improvements referred to herein. The GRANTEE covenants to maintain the easement in good repair so that no unreasonable damage will result from its use to the adjacent land of the GRANTOR, their successors and assigns.

The grant and other provisions of this easement shall constitute a covenant running with the land for the benefit of the GRANTEE, its successors and assigns, but shall terminate upon completion of the improvements described herein.

IN WITNESS WHEREOF, the GRANTOR has caused this instrument to be executed this 16th day of April, 1999.

Industrial Development Authority
of the City of Bolivar, Missouri

By [Signature]
L. D. Silvey, President

Attest:

[Signature]
Secretary



STATE OF MISSOURI)
) ss.
COUNTY OF POLK)

On this 16th day of April, 1999, before me personally appeared L.D. Silvey, to me known, who being by me duly sworn, did say that he is the Industrial Development Authority of City of Bolivar, Missouri, a corporation, that the seal affixed to said instrument is the corporate seal of said corporation and that said instrument was executed on behalf of said corporation by authority of its Board of Directors, and the said L.D. Silvey acknowledged said instrument to be the free act and deed of said corporation.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal, at my office in Bolivar, Missouri, the day and year first above written.

My term of office as a Notary Public will expire 01-15-02.

Jance L Doty
Notary Public



JANCE L. DOTY Notary Public
Dallas County State of Missouri
My Commission Expires Jan 15, 2002

STATE OF MISSOURI)
) ss. # 1982
COUNTY OF POLK)

I, the undersigned, Recorder of Deeds in and for said County, do hereby certify that the foregoing instrument of writing was filed for record in my office, on the 23 day of April, 1999, at 10 o'clock and 22 minutes A.m., and has been duly recorded in Book 605 at Page 368-370

WITNESS my hand and official seal, this 23 day of April, 1999.

Uesta Devier, Recorder

By Marshe Marshall, Deputy Recorder

SEWER EASEMENT

KNOW ALL MEN BY THESE PRESENTS:

That in consideration of One Dollar (\$1.00) and other good and valuable consideration paid to INDUSTRIAL DEVELOPMENT AUTHORITY OF THE CITY OF BOLIVAR, MISSOURI, hereinafter referred to as GRANTOR, by the City of Bolivar, Missouri, P.O. Box 9, Bolivar, Missouri 65613, hereinafter referred to as GRANTEE, the receipt of which is hereby acknowledged, the GRANTOR does hereby grant, bargain, sell, transfer, and convey unto the GRANTEE, its successors and assigns, a perpetual easement with the right to erect, construct, install, and lay, and thereafter use, operate, inspect, repair, maintain, replace, and remove a sewer line over, across, and through the land of the GRANTOR situate in Polk County, State of Missouri, said land being described as follows:

Part of a tract described in Deed Book 562 at Page 1086 in the Deed Records in Polk County, Missouri, being 7.5 feet on either side of the following described centerline: Commencing North 21° 07' 20" East 48.62 feet from the Southwest Corner of the Southeast Quarter (SE¼) of the Southwest Quarter (SW¼) of Section 10, Township 33 North, Range 23 West, thence South 88° 13' 52" East 150.0 feet, thence North 86° 04' 09" East 400.00 feet, thence South 83° 13' 24" East 400.00 feet, thence North 03° 05' 45" East 125.00 feet, thence North 02° 45' 03" East 421.30 feet, thence North 03° 17' 47" East 400.00 feet, thence North 60° 13' 51" East 225.00 feet, thence North 61° 03' 45" East 300.00 feet, thence North 60° 17' 40" East 28.85 feet to the Westerly right of way of Missouri Highway "13".

Lift Station: Beginning at the North right of way of Missouri Highway "T" on the West line of the East Half (E½) of the Southwest Quarter (SW¼) of Section 10, Township 33 North, Range 23 West, thence North 50.00 feet, thence East 50.00 feet, thence South 50.00 feet, thence West 50.00 feet to the point of beginning.

Also, Grantor grants a temporary construction easement to grantee, its agent and employees, with necessary equipment, to enter upon and have access to the real property of which the above described permanent easement is part, for the purpose of installing a sewer line crossing said property, including the right of ingress and egress over the adjacent lands of the GRANTOR, their successors and assigns, for the purposes of this easement. This temporary easement shall terminate upon completion of the work described in this Paragraph.

The consideration hereinabove recited shall constitute payment in full for any damages to the land of the GRANTOR, their successors and assigns, by the reason of the installation, operation and maintenance of the structures or improvements referred to herein. The GRANTEE covenants to maintain the easement in good repair so that no unreasonable damage will result from its use to the adjacent land of the GRANTOR, their successors and assigns.

The grant and other provisions of this easement shall constitute a covenant running with the land for the benefit of the GRANTEE, its successors and assigns.

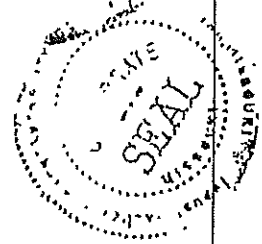
IN WITNESS WHEREOF, the GRANTOR has caused this instrument to be executed this 16th day of April, 1999.

Industrial Development Authority
of the City of Bolivar, Missouri

By [Signature]
L. D. Silvey, President

Attest:

[Signature]
Secretary



STATE OF MISSOURI)
) ss.
COUNTY OF POLK)

On this 16th day of April, 1999, before me personally appeared L.D. Silvey, to me known, who being by me duly sworn, did say that he is the Industrial Development Authority of City of Bolivar, Missouri, a corporation, that the seal affixed to said instrument is the corporate seal of said corporation and that said instrument was executed on behalf of said corporation by authority of its Board of Directors, and the said L.D. Silvey acknowledged said instrument to be the free act and deed of said corporation.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal, at my office in Bolivar, Missouri, the day and year first above written.

My term of office as a Notary Public will expire 01-15-02.

[Signature]
Notary Public



JANICE L. DOTY Notary Public
Dallas County State of Missouri
My Commission Expires Jan 15, 2002

00373

STATE OF MISSOURI)
) ss. # 1983
COUNTY OF POLK)

I, the undersigned, Recorder of Deeds in and for said County, do hereby certify that the foregoing instrument of writing was filed for record in my office, on the 23 day of April, 19 99, at 10 o'clock and 24 minutes A.m., and has been duly recorded in Book 605 at Page 371-373

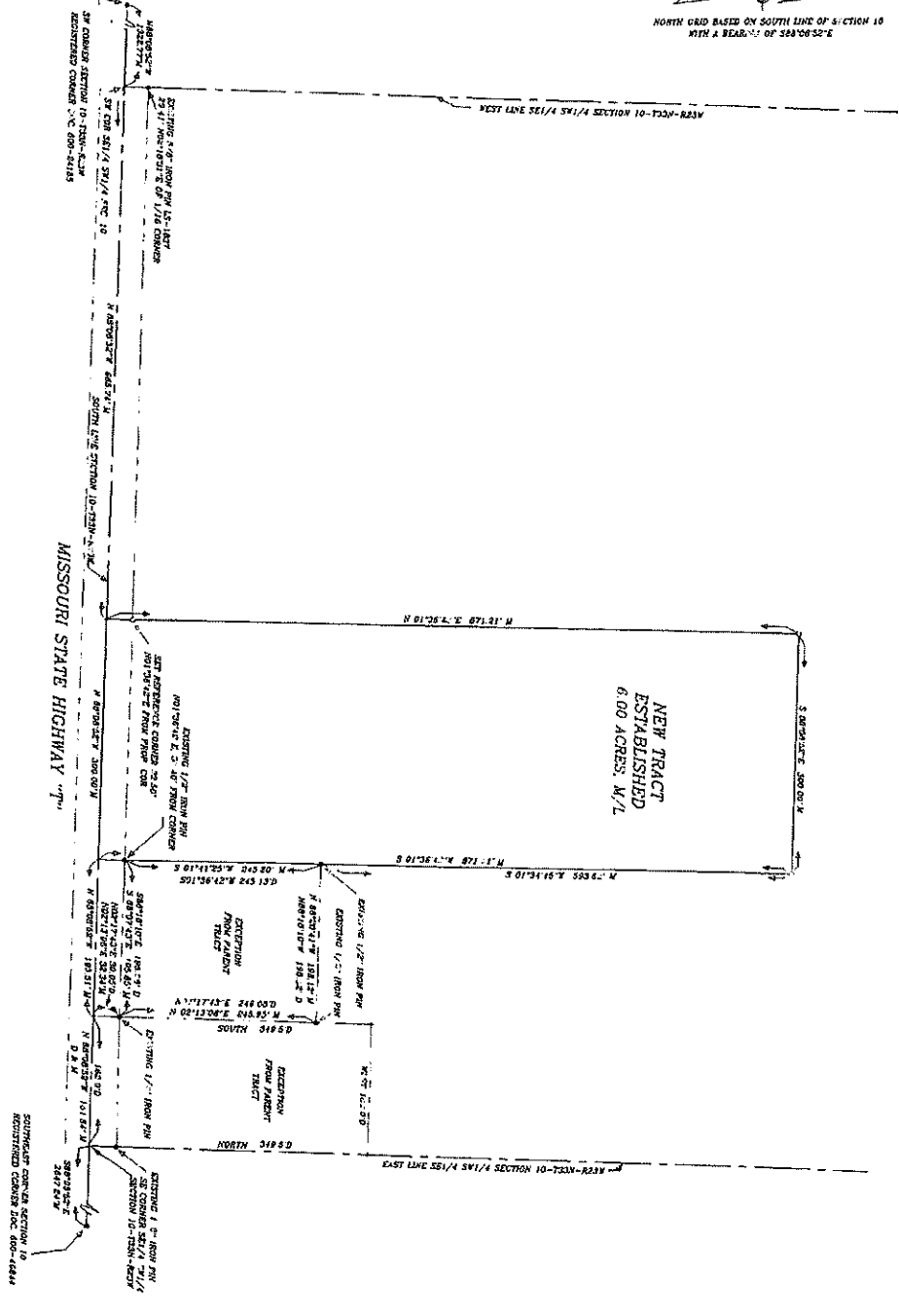
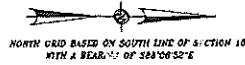
WITNESS my hand and official seal, this 23 day of April, 19 99.

Vesta Deiner, Recorder

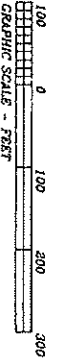
By Marsha Marshall Deputy Recorder

Polk County Missouri
SURVEY TO ESTABLISH A NEW 6 ACRES TRACT IN THE SOUTHWEST 1/4 OF SECTION 10-733N-R23W,
POLK COUNTY, MISSOURI, SURVEY FOR THE BOLIVAR INDUSTRIAL DEVELOPMENT AUTHORITY.

2/20



- LEGEND**
- STARTING LOCATION OF CORNER
 - SET MARK PIN WITH 1/4 IN. DIA. CAP
 - EXISTING BOUNDARY
 - PROPERTY LINE OF TRACT - INVERTED
 - RIGHT OF WAY 1/2" AND OTHER PROPERTY LINES
 - SECTION CORNER - 1/4 IN. DIA. PIN
 - DEED RECORDS OR RECORDS
 - DISTANCE BETWEEN CORNERS



CLASS OF PROPERTY IS URBAN BUT THIS IS NOT AN ALTA SURVEY

DESCRIPTION OF NEW TRACT

A tract of land situated in the S21/4 SW1/4 of Section 10, Township 23 North, Range 23 West, Polk County, Missouri, more particularly described as follows:

Beginning at a point on the south line of said S21/4 SW1/4, said point being the southeast corner of the S21/4 SW1/4 of Section 10, Township 23 North, Range 23 West, Polk County, Missouri, and extending northward along the south line of said S21/4 SW1/4, a distance of 606.71 feet to an iron pin set in the ground, thence north 89°00'00" west along the north line of said S21/4 SW1/4, a distance of 300.00 feet to an iron pin set in the ground, thence north 0°00'00" west along the west line of said existing tract, a distance of 300.00 feet to an existing 1/2" iron pin set in the ground, thence north 89°00'00" west along the north line of said S21/4 SW1/4, a distance of 606.71 feet to the point of beginning, containing 6.00 acres, more or less.

Subject to all rights of way and easements of record.

IN THE RECORDER'S OFFICE

STATE OF MISSOURI,)
COUNTY OF POLK,) S. 4742

I, VERA S. WALKER, CLERK OF RECORDS OF SAID COUNTY, HEREBY CERTIFY THAT THE ABOVE DESCRIBED TRACT IS CORRECTLY DESCRIBED IN THE PLAT HEREON FILED IN THE OFFICE OF THE CLERK OF RECORDS OF SAID COUNTY, MISSOURI, THIS 20th DAY OF FEBRUARY, 1987.

Vera Walker
CLERK OF RECORDS

SURVEYOR'S CERTIFICATION

I, hereby certify to the accuracy of the above described plat, and that the same was conducted by me or under my direct supervision. This survey complies with the current Missouri Statutes for Property Boundary Surveys.

APPLICANT OR SURVEYOR HAS BEEN OR WILL BE PROVIDED BY THE CLERK AND OTHER APPROPRIATE AGENCIES WITH ALL NECESSARY RECORDS AND INFORMATION TO COMPLETE THIS SURVEY.

SHULER AND ASSOCIATES, LAND SURVEYORS
P.O. BOX 606, 210 EAST JACOBSON ST., BOLIVAR, MO 65015-0606
REGISTERED PROFESSIONAL LAND SURVEYORS
NO. 155-088
MAYNARD B. SHULER, M.D., J.D., M.S., P.E., F.A.S.
DANIEL R. SHULER, M.S., P.E., F.A.S.

SURVEY TO ESTABLISH A NEW 6 ACRE TRACT IN THE S21/4 SW1/4 OF SECTION 10-733N-R23W, POLK COUNTY, MISSOURI

DATE OF SURVEY: 2/19/87

DATE OF RECORD: 2/20/87

THIS INDUSTRIAL DEVELOPMENT AUTHORITY OF THE CITY OF BOLIVAR

97-187

COUNTY SURVEYOR'S RECORD

FIELD NOTES AND PLAT

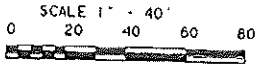
BOOK 11
PAGE 10

SURVEY NO. CS 03 11 00-10

SURVEY FOR: CITY OF BOLIVAR

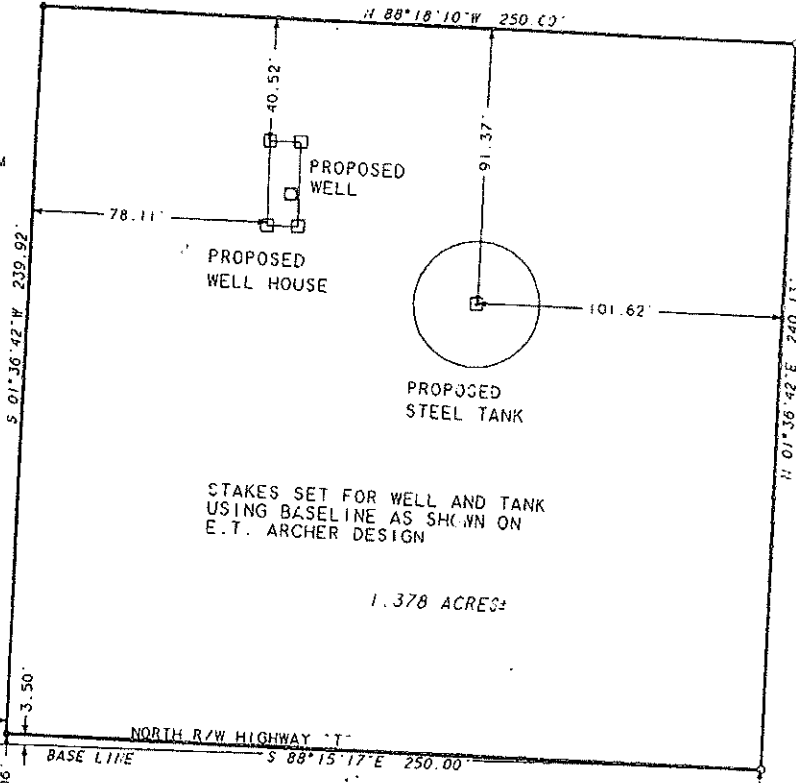
SURVEYOR'S CREW SWORN DAVID ROBBINS, RON GREGORY

MARCH 1, 2000
DATE OF SURVEY



- - EXISTING IRON PIN
- - IRON PIN SET
- - GOD AND WOOD STAKE

GRID NORTH FROM
COUNTY SURVEY
BOOK 9 PAGE 62



STAKES SET FOR WELL AND TANK
USING BASELINE AS SHOWN ON
E.T. ARCHER DESIGN

1.378 ACRES

SOUTHWEST CORNER
SOUTHWEST QUARTER
10-33N-23W
EX CONC NAIL

SOUTHEAST CORNER
SOUTHWEST QUARTER
10-33N-23W
EX SPIKE

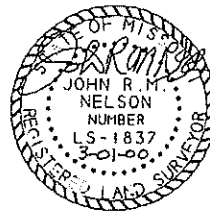
DESCRIPTION

PART OF THE SOUTHEAST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 10, TOWNSHIP 33 N., RANGE 23 W., AS SURVEYED IN POLK COUNTY SURVEYOR'S RECORD BOOK 11 AT PAGE 10, COMMENCING AT THE SOUTHEAST CORNER OF SAID SOUTHEAST QUARTER OF THE SOUTHWEST QUARTER, THENCE N 88°08'46"W ALONG THE SECTION LINE 356.43', THENCE N 01°36'42"E 34.51' TO THE POINT OF BEGINNING THENCE N 01°36'42"E 240.13', THENCE N 88°18'10"W 250.00' THENCE S 01°36'42"W 239.92', THENCE S 88°15'17"E ALONG THE NORTH RIGHT OF WAY OF MISSOURI HIGHWAY "T" 250.00' TO THE POINT OF BEGINNING.
1.378 ACRES

CERTIFICATION

THIS IS TO CERTIFY THAT I, JOHN R. M. NELSON, POLK COUNTY SURVEYOR, HAVE MADE THIS SURVEY AND FIND CONDITIONS AS INDICATED, THIS DONE IN ACCORDANCE WITH THE CURRENT MINIMUM SURVEY STANDARDS.

JOHN R. M. NELSON PLS 1837
POLK COUNTY SURVEYOR



sell-off

01439

STATE OF MISSOURI #1980
 COUNTY OF POLK
 Filed for record on the 20th day of April, 2000
 at 2 o'clock 40 minutes P m and duly
 recorded in book 614 at page 1439-1441
 Witness my hand and official seal this day and year
 above written
 Vesta Steiner, Recorder
Maisha Marshall Deputy

Route 13
 County Polk
 Job No. J8P0592
 Project n/a
 Parcel 16

GENERAL WARRANTY DEED

(1) **PARTIES:** THIS AGREEMENT, made this 20th day of April, 2000, by and between THE INDUSTRIAL DEVELOPMENT AUTHORITY OF THE CITY OF BOLIVAR, A MISSOURI INDUSTRIAL DEVELOPMENT CORPORATION, Grantor, of the County of POLK, and State of MISSOURI, and the STATE OF MISSOURI, acting by and through the MISSOURI HIGHWAY AND TRANSPORTATION COMMISSION, Grantee.

GRANTEES ADDRESS: M.P.O. Box 868, Springfield, MO 65801

(2) **CONSIDERATION:** Grantor, in consideration of the sum of (\$1.00) ONE AND NO/100 DOLLARS, to be paid by the Missouri Highway and Transportation Commission, the receipt of which is hereby acknowledged, does hereby grant, bargain and sell, convey and confirm fee simple title in the property described in this deed.

(3) **PROPERTY DESCRIPTION:** Grantor conveys to the Missouri Highway and Transportation Commission of Missouri the following described real estate and interests in real estate in the County of POLK, State of MISSOURI:

Tract 1 - Relocated Route 13
 All that part of Grantors' real property and real property rights and interests in the W½ SE¼ and the E½ SW¼, all in Section 10, Township 33 North, Range 23 West, Polk County, Missouri, which lies within a tract of land with the widths hereinafter designated on the right or southwesterly side of the surveyed median centerline of the Survey of the Missouri Department of Transportation for Relocated Route 13, containing 1457.914 square meters (0.36 acre), more or less, New Limited Access Land.

The median centerline of Relocated Route 13 is described as follows: Commencing at the common corner of Sections 3, 4, 9, and 10, T33N, R23W, thence N87°59'50"E a distance of 130.435 meters (427.94 feet) to Relocated Route 13 Median Centerline Station 28+436.407; thence S29°34'06"E a distance of 867.143 meters (2844.96 feet) to Relocated Route 13 Median Centerline Station 29+303.550 (which is the point of beginning of the centerline hereinafter described) from said point said centerline extends S29°34'06"E a distance of 983.834 meters (3227.80 feet) to Station 30+287.384.

The widths of the tract of land on said right or southwesterly side of the above-described Relocated Route 13 median centerline are as follows: An even width of 40.000 meters (131.23 feet) from Station 29+303.550 to Station 30+287.384.

Also, all abutters rights of direct access between the highway now know as Relocated Route 13 and grantors' abutting land in the W½ SE¼ and the E½ SW¼, all in Section 10, Township 33 North, Range 23 West.

Tract 2 - County Road Connector
 All that part of Grantors' real property and real property rights and interests in the W½ SE¼ and the E½ SW¼, all in Section 10, Township 33 North, Range 23 West, Polk County, Missouri, which lies within a tract of land with the widths hereinafter designated on the left or northeasterly side and the right or southwesterly side of the surveyed centerline

01410

of the Survey of the Missouri Department of Transportation for a County Road Connector, which will be constructed in connection with the Relocated Route 13 project, containing 1.675 hectares (4.14 acres), more or less, New Non-Limited Access Land.

The centerline of the County Road Connector is described as follows: Commencing at a point described in Tract 1 above, said point being Relocated Route 13 Median Centerline Station 29+328.494; thence $S60^{\circ}25'54''W$ a distance of 85.235 meters (279.64 feet) to a point which is County Road Connector Centerline PC Station 0+259.678 (which is the point of beginning of the centerline hereinafter described), from said point said centerline extends on a curve to the right, from a tangent bearing of $S88^{\circ}56'02.5''E$, having a 80.00-meter (262.47-foot) radius, an arc distance of 82.890 meters (271.95 feet) to PT Station 0+342.568; thence $S29^{\circ}34'06''E$ a distance of 923.388 meters (3029.49 feet) to PC Station 1+265.956.

The widths of the tract of land on said left or northeasterly side of the above-described County Road Connector centerline are as follows: Beginning with a width of 7.079 meters (23.23 feet) at Station 0+275.751; widening on a straight line to a width of 47.243 meters (155.00 feet) at Station 0+276.277; diminishing along a straight line to a width of 6.000 meters (19.68 feet) at Station 0+342.568; an even 6.000 meters (19.68 feet) to Station 1+190.936; also described as all that part of grantors' land which lies southwesterly of the southwesterly boundary of Relocated Route 13 as described in Tract 1 above, and northeasterly of the above-described County Road Connector centerline.

The widths of the tract of land on said right or southwesterly side of the above-described County Road Connector centerline are as follows: Beginning with a width of 6.897 meters (22.63 feet) at Station 0+260.998; widening along a straight line to a width of 11.911 meters (39.08 feet) at Station 0+306.942; widening along a straight line to a width of 13.269 meters (43.53 feet) at Station 0+330.712; widening along a straight line to a width of 14.000 meters (45.93 feet) at Station 0+342.568; an even width of 14.000 meters (45.93 feet) to Station 1+217.373, which is a point on the existing southwesterly boundary of Route 13.

STATE OF MISSOURI } # 5214
COUNTY OF POLK }Filed for record 11 day of September, 2002
at 2 o'clock 59 minutes P and duly
recorded in book 645 at page 997-999Witness my hand and official seal this day and year
above writtenBy Maisha Marshall Vesta Seiner, Recorder
Deputy

(Above space reserved for use of Recorder's Office)

COVER SHEET

1. Title of Document: Covenants, Conditions and Restrictions for the Bolivar Industrial Park
2. Date of Document: June 11, 2002
3. Grantor(s): The Industrial Development Authority of the City of Bolivar, Missouri
4. Grantee(s): The Industrial Development Authority of the City of Bolivar, Missouri
5. Statutory Mailing Address: P.O. Box 9, Bolivar, MO 65613
6. Legal Description:

Tract I: All that part of the West Half of the Southeast Quarter of Section 10, Township 33 North, Range 23 West lying South and West of State Highway Route 13 as now located, except any part off the South side thereof for public road and highway and less and except the abutter's right of direct access between said Route 13 and the abutting land in the West half of the Southeast Quarter of Section 10, Township 33 North, Range 23 West as provided in the Report of Commissioner's recorded in Book 274, page 244;

Tract II: Also all that part of the East Half of the Southwest Quarter of Section 10, Township 33 North, Range 23 West, which lies West of State Highway Route 13 as now located, Less and Except the abutter's right of direct access between said Route 13 and the abutting land in the Northeast Quarter of the Southwest Quarter of Section 10, Township 33 North, Range 23 West as provided in the Right of Way Deed to the State of Missouri recorded in Book 267, page 601. Subject to public road along the North side thereof.

Also except a tract of land in the Southeast Quarter of the Southwest Quarter of Section 10, Township 33 North, Range 23 West described as beginning at the Southeast corner of said Southeast Quarter of the Southwest Quarter thence North 349.5 feet, thence West 162.0 feet, thence South 349.5 feet, thence East 162.0 feet to the point of beginning, less that part for public right of way.

Also except a tract of land in the Southeast Quarter of the Southwest Quarter of Section 10, Township 33 North, Range 23 West described as commencing at the Southeast corner of said Southeast Quarter of the Southwest Quarter, thence North 88 degrees 08 minutes 52 seconds West along the South line of said Quarter-Quarter a distance of 162.0 feet; thence North 2 degrees 17 minutes 43 seconds East and parallel to the East line of said Southwest Quarter a distance of 30.05 feet to a point on the North Right of Way of "I" Highway and the true point of beginning of the tract to be herein described; thence North 2 degrees 17 minutes 43 seconds East a distance of 246.08 feet; thence North 88 degrees 18 minutes 10 seconds West a distance of 198.32 feet; thence South 1 degree 36 minutes 42 seconds West a distance of 245.13 feet to a point on said Right of Way; thence South 88 degrees 18 minutes 10 seconds East along said Right of Way a distance of 195.28 feet to the true point of beginning. Subject to easements and restrictions and situate in Polk County, Missouri.

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COVENANTS, CONDITIONS AND RESTRICTIONS
FOR THE
BOLIVAR INDUSTRIAL PARK
BOLIVAR, MO

COVENANTS, CONDITIONS AND RESTRICTIONS
FOR THE
BOLIVAR INDUSTRIAL PARK

WHEREAS, the Bolivar (MO) Industrial Development Authority (Bolivar IDA) is the present legal owner of the property in the Bolivar Industrial Park described as follows:

See Exhibit A attached hereto and made a part hereof by reference

WHEREAS, the Bolivar IDA desires to impose certain restrictive covenants, conditions, and restrictions on the present and proposed uses of its property:

NOW, THEREFORE, the Bolivar IDA declares that all property remaining in said Bolivar Industrial Park shall be held, sold, and conveyed subject to the following covenants, conditions and restrictions:

1. **LAND USE:** The land shall be used only for those purposes permitted by the Zoning Regulations of the City of Bolivar, MO, as the same now exists or as the same has been or may hereafter be amended, except the following uses shall not be permitted:

Dog Kennels, Grain Elevators, Poultry Storage and Slaughtering, Sanitary Landfill, Motor Vehicle Sales and Storage, Auto Wrecking Yards, Junk Yards, Salvage Yards and Scrap Processing Yards, Petroleum Refining and Fuel Storage, Stockyard and Slaughter Houses, Ready Mix Concrete and Asphalt Mix Plants, Radiator Repair Shops, and Upholstering Shops. Retail businesses, except those that are incidental to a manufacturing operation; or specifically approved in writing by the Bolivar IDA shall also be prohibited.

2. **OBJECTIONABLE USES:** No noxious, offensive, or illegal trade, activity or use shall be conducted on any part of the property, nor shall anything be done thereon which may be a nuisance by reason of unsightliness. All emissions of noise, odor, liquid, gas, dust, fumes, or smoke shall comply with emission standards as established by the MO Dept. of Natural Resources.
3. **PLAN APPROVAL:** In order to achieve an overall compatibility and continuity of architectural design, all construction, landscaping, signs and subsequent alterations or improvements within the Bolivar Industrial Park shall be subject to approval by the Bolivar IDA. Complete and detailed construction plans and specifications for such improvements must be submitted to the Bolivar IDA and receive written approval for such plans and specifications. Upon receipt of such written approval, the improvement may be constructed, but only in compliance with the approved plans and specifications. Such approval may not be unreasonably withheld or delayed. Such approval may be withheld in the sole discretion of the Bolivar IDA for any reason, including but not limited to the reason that the Bolivar IDA believes the improvements as proposed are inconsistent with the objectives of maintaining the Bolivar Industrial Park as a high quality and aesthetically pleasing industrial park.
4. **UTILITIES**

Water and Sewer Service: All Bolivar Industrial Park property owners are required to tap into and utilize city water and sewer services.

Underground Utilities: All service lines are to be underground service.

COVENANTS, CONDITIONS AND RESTRICTIONS
FOR THE
BOLIVAR INDUSTRIAL PARK

Electrical Power and Other: Power used in, developed or obtained for operation of any establishment within Bolivar Industrial Park shall be restricted to electrical, or to substantially equivalent type of power using only oil, gasoline, natural gas or liquid petroleum products or similar combustible materials in its production, or other products which do not produce excessive smoke, odors or fumes.

5. **BUILDING EXTERIOR:** All buildings erected in the Bolivar Industrial Park shall have structural framework composed of masonry, steel, concrete, brick or combinations thereof and shall otherwise meet the applicable building codes. Structures on the same tract shall be so designed as to be compatible with the design of all other buildings within the tract. The total aggregate floor area of the buildings shall not exceed fifty percent (50%) of the total area of the tract.

A minimum one-third (1/3) of the front of the main building on each tract shall be faced with brick and/or glass. Buildings with Highway 13 or Aldrich Road (public road on South end of industrial park) frontage shall also have a minimum of one-third (1/3) of brick and/or glass on that side of the building that faces the public highway or road.

6. **YARD REGULATIONS:** All buildings shall have set back requirements from the front, side and rear lot lines as specified from time to time by the Zoning Regulations of the City of Bolivar, MO. Setbacks for I-2 Zoning presently are as follows but this is for record and informational purposes only and the official requirements shall be as controlled by the City Zoning Regulations as in effect from time to time:

Front Yard shall have a minimum depth of 30 ft., measured 70 ft. from centerline on collector streets and 80 ft. from centerline of arterial streets. Lots with double frontage will require front yard provided on both streets. A lot at the intersection of two or more streets shall be front yard on each street side of corner lot.

Side Yard shall not be less than 5 ft.

Rear Yard shall have depth of not less than 25 ft. or 20% of the depth of lot which ever is smaller.

7. **PARKING REQUIREMENTS AND LOADING FACILITIES:**

- a. Parking: The owner of each tract of land within Bolivar Industrial Park shall provide on that tract adequate parking to accommodate all employee and visitor needs. The minimum parking spaces shall conform to City Zoning Regulations, but the IDA may require greater parking area than is required by such regulations. Adequate room and space shall be provided to permit off-street storage, parking and maneuvering of trucks upon each tract to assure that no obstruction of traffic will occur on public streets.
- b. Surfacing Requirements: All driveways, parking, and truck traffic areas shall be surfaced with an adequate thickness of hard surface paving to support the type of vehicles that are reasonably expected to utilize the area and to maintain adequate traffic movement. All such areas shall be graded and drained to dispose of all surface water according to the requirements of the Municipal Code of the City of Bolivar, MO or other applicable regulations of the City as in effect at the time of construction.

COVENANTS, CONDITIONS AND RESTRICTIONS
FOR THE
BOLIVAR INDUSTRIAL PARK

- c. Loading Docks: All loading docks shall be constructed to allow maneuvering room for tractor-trailers on site without the use of adjacent streets. Wherever practical buildings shall not be located and designed to expose loading docks or doors, loading areas or the rear of buildings to public streets, unless adequate screening is provided.
8. **OUTSIDE STORAGE**: Outdoor storage areas shall be screened from public view and shall be placed so as to conform with the Zoning Regulations of the City of Bolivar, MO. Open storage shall only be permitted when screened by a solid fence, wall or other suitable material sufficient in height to prevent traffic from viewing the materials.
9. **EXTERIOR INSTALLATIONS**: All outside permanent installations, including roof equipment, such as HVAC units, shall be screened with solid or opaque materials that reasonably match the exterior building or by landscaping plants, trees, or shrubbery.
10. **SIGNS**: No sign shall be erected, constructed or maintained within the boundaries of the Industrial park except (i) those that identify the industrial park, (ii) those necessary for directional and informational purposes, and (iii) those that identify the tenant or owner of building site. Roof, pole, projecting or banner signs will not be allowed. Ground signs will be allowed only if the sign is flush with the ground. If a sign is illuminated it shall not be of the flashing beacon type.
11. **LANDSCAPING**: All areas not covered with structure or paving shall be maintained as green space. Green space shall include areas that have been roughly graded, spread with topsoil, and seeded or sodded. Green space may also include landscaping such as, but not limited to planting of trees, vines, shrubs, herbs or flowers.
12. **MAINTENANCE AND REFUSE, GARBAGE AND BY-PRODUCTS**: The occupant of each tract shall keep such tract, and any buildings, improvements and appurtenances thereon, in a clean, safe, neat and sanitary condition, in good repair, and shall comply with all laws, ordinances and regulations pertaining to health and safety. Occupants shall keep the landscaping in a healthy and well manicured condition. Occupants shall promptly replace landscaping which becomes unhealthy, unsightly or that dies.

Refuse, garbage, and by-products of the business situated on the property shall not be burned and shall not be allowed to accumulate upon the premises. A new, well constructed, four-sided screened area shall be constructed to completely conceal and contain any accumulation of normal refuse.

No owner, tenant, or lessee shall permit refuse, junk, waste, garbage, or scrap to be kept or accumulated upon their property, except that which is stored in the manner described above pending pickup and disposal. This also includes individual inoperable vehicles or machinery, unless warehoused inside. All refuse, junk, waste, garbage or scrap shall be transported on a regular basis by a refuse hauler that is licensed by the City of Bolivar and shall only be disposed of as authorized by Missouri law or regulations of the Missouri Department of Natural Resources.

Occupants shall contract with licensed refuse haulers to remove all refuse, trash, garbage or by-products on a regular basis. All refuse, trash, garbage or by-products shall be disposed of at licensed landfills or other State licensed disposal facility.

COVENANTS, CONDITIONS AND RESTRICTIONS
FOR THE
BOLIVAR INDUSTRIAL PARK

13. **FAILURE TO BUILD:** In the event any owner of land in the Bolivar Industrial Park, other than the Bolivar IDA, fails to commence construction of industrial improvements on the property within one (1) year following purchase or acquisition or fails to substantially complete construction of improvements within two (2) years following purchase or acquisition, the Bolivar IDA shall have the option to repurchase the property at the amount originally paid to the Bolivar IDA for such tract plus the actual cost of improvements. The Bolivar IDA for good cause may extend these time limitations.
14. **VARIANCES FROM COVENANTS:** In the interest of flexibility and the possibility that any one project may have requirements which pose unique problems or opportunities not adequately covered by these covenants, the Bolivar IDA shall have authority to modify, change or make exceptions to any covenant in this document after proper notification and written notice of variance to the owners of all lots or tracts of land within the Bolivar Industrial Park. However, no such variances shall adversely affect the value or aesthetic quality of other tracts in the park.
15. **SEVERABILITY:** Invalidation of any of the foregoing protective or restrictive covenants shall not affect the validity of any other such covenants, and the same shall remain in full force and effect.
16. **BOLIVAR INDUSTRIAL PARK LANDOWNERS ASSOCIATION:** Any right, power or authority retained by the Bolivar IDA in these restrictions may be delegated by it, in whole or in part, in writing to the Bolivar Industrial Park Landowners Association; and such delegation may be revoked at will by the Bolivar IDA. Any act, ruling or other decision of the Bolivar Industrial Park Landowners Association taken pursuant to and within the scope of a delegation of authority shall be as valid as if the Bolivar IDA had taken the act, ruling or authority.
17. **ENFORCEMENT OF COVENANTS, CONDITIONS, AND RESTRICTIONS:** If the owner or occupant of land within the Bolivar Industrial Park shall violate, attempt to violate or permit to be violated any of the covenants or restrictions contained herein, the Bolivar IDA, any other property owner, or the Bolivar Industrial Park Property Owners Association may give written notice of such violation to the owner and/or the occupant. A written notice, which shall detail the alleged violation, shall be deemed to have been given to the owner or occupant upon deposit of the notice in the United States mail, certified with return receipt requested, directed to the address of the owner as shown on the last recorded instrument conveying title to such property to such owner or to the address of an occupant as reflected on any official record of the City of Bolivar, Missouri, the County of Polk or the State of Missouri. If the violation shall continue for thirty (30) days after giving written notice, the complainant or any other interested party shall have right to prosecute a proceeding in a court of competent jurisdiction, at law or in equity, against the owner and/or the occupant that is alleged to be violating, attempting to violate or who permits another person or entity to violate any such restriction or covenant, to prevent and permanently enjoining such violation and to recover damages for such violation. All parties subject to these restrictions consent to exclusive venue in Polk County, MO. The foregoing enforcement remedies shall be in addition to and not in limitation of any legal or equitable remedies available to the Bolivar IDA, other property owners or the Bolivar Industrial Park Property Owners Association under MO law. It is expressly understood and agreed that all costs, including reasonable attorneys' fees, incurred by the complainant in any legal proceeding which results in a judgment or decree that is substantially in favor of the complainant, shall be borne in full by the owner

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FOR THE
BOLIVAR INDUSTRIAL PARK

violating these restrictive covenants. No notice or opportunity to cure a repeat violation of a substantially similar type or that has previously occurred need be given.

18. FAILURE TO ENFORCE NOT WAIVER OF RIGHT: Failure of Bolivar IDA or any other owner to enforce any restriction, condition, covenant, or agreement herein contained shall in no event be deemed a waiver of the right to do so thereafter as to the same breach or as to any breach occurring prior or subsequent thereto.
19. APPLICABILITY OF COVENANTS, CONDITIONS, AND RESTRICTIONS: These covenants shall run with the land and shall be binding upon all grantees, all parts and persons including heirs, assigns and successors, and interest thereof.
20. TERM AND AMENDMENTS:
 - a. Term: These covenants, conditions and restrictions shall run with and bind the land from the date of this Declaration and shall continue in full force and effect (except as otherwise noted) for a period of twenty-five (25) years, and shall automatically renew for additional periods of ten (10) years each unless a seventy-five percent (75%) majority of the fee simple owners within the Industrial Park (as measured by land area owned and not by number) shall elect to terminate the same by written instrument signed and acknowledged in deed form, and filed for record in the Office of the Recorder of Deeds of Polk County, Missouri no less than ninety (90) days prior to the date these restrictions are scheduled to expire.
 - b. Amendment by Bolivar IDA: The Bolivar IDA may amend this Declaration from time to time. Such amendments shall affect and be binding only on those tracts of land within the Bolivar Industrial Park owned by the Bolivar IDA. No amendment shall be effective until it is recorded in the deed of records of Polk County, MO and no amendment shall be deemed to have retrospective effect.
 - c. Amendment by Property Owners: At such time as the Bolivar IDA owns no more than ten percent (10%) of the land within the Industrial Park (as measured by land area exclusive of roadways and other common areas), these Covenants, Conditions and Restrictions may be amended in writing by the execution of the proposed amendment by no less than seventy-five percent (75%) of the fee simple owners within the Industrial Park (measured by land area owned but exclusive of roads and other common areas). No such Amendment shall be effective unless it is properly executed by a requisite majority of fee simple owners, acknowledged by each signer in deed form, and recorded in the Office of the Recorder of Deeds of Polk County, Missouri.

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COVENANTS, CONDITIONS AND RESTRICTIONS
FOR THE
BOLIVAR INDUSTRIAL PARK

IN WITNESS WHEREOF, these Covenants, Conditions and Restrictions have been signed the date and year shown below.



THE INDUSTRIAL DEVELOPMENT AUTHORITY
OF THE CITY OF BOLIVAR, MISSOURI

By *L.D. Silvey*
L.D. Silvey, President

Eugene A. Hutcheson
Eugene A. Hutcheson, Secretary

STATE OF MISSOURI)
) ss.
COUNTY OF POLK)

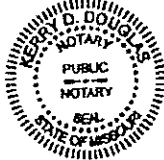
On this 11 day of June, 2002, before me personally appeared L.D Silvey, to me known, who being by me duly sworn, did say that he is the President of The Industrial Development Authority of the City of Bolivar, Missouri, an industrial development corporation duly organized and existing under the laws of the State of Missouri, that the seal affixed to said instrument is the corporate seal of said corporation and that said instrument was executed on behalf of said corporation by authority of its Board of Directors, and the said L.D. Silvey acknowledged said instrument to be the free act and deed of said corporation.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal, at my office in Bolivar, Missouri, the day and year first above written.

My term of office as a Notary Public will expire 7-23-2004.

Kerry D. Douglas

Notary Public



KERRY D. DOUGLAS Notary Public
Polk County State Of Missouri
My Commission Expires July 23, 2004

Tract I: All that part of the West Half of the Southeast Quarter of Section 10, Township 33 North, Range 23 West lying South and West of State Highway Route 13 as now located, except any part off the South side thereof for public road and highway and less and except the abutter's right of direct access between said Route 13 and the abutting land in the West half of the Southeast Quarter of Section 10, Township 33 North, Range 23 West as provided in the Report of Commissioner's recorded in Book 274, page 244;

Tract II: Also all that part of the East Half of the Southwest Quarter of Section 10, Township 33 North, Range 23 West, which lies West of State Highway Route 13 as now located, Less and Except the abutter's right of direct access between said Route 13 and the abutting land in the Northeast Quarter of the Southwest Quarter of Section 10, Township 33 North, Range 23 West as provided in the Right of Way Deed to the State of Missouri recorded in Book 267, page 601. Subject to public road along the North side thereof.

Also except a tract of land in the Southeast Quarter of the Southwest Quarter of Section 10, Township 33 North, Range 23 West described as beginning at the Southeast corner of said Southeast Quarter of the Southwest Quarter thence North 349.5 feet, thence West 162.0 feet, thence South 349.5 feet, thence East 162.0 feet to the point of beginning, less that part for public right of way.

Also except a tract of land in the Southeast Quarter of the Southwest Quarter of Section 10, Township 33 North, Range 23 West described as commencing at the Southeast corner of said Southeast Quarter of the Southwest Quarter, thence North 88 degrees 08 minutes 52 seconds West along the South line of said Quarter-Quarter a distance of 162.0 feet; thence North 2 degrees 17 minutes 43 seconds East and parallel to the East line of said Southwest Quarter a distance of 30.05 feet to a point on the North Right of Way of "T" Highway and the true point of beginning of the tract to be herein described; thence North 2 degrees 17 minutes 43 seconds East a distance of 246.08 feet; thence North 88 degrees 18 minutes 10 seconds West a distance of 198.32 feet; thence South 1 degree 36 minutes 42 seconds West a distance of 245.13 feet to a point on said Right of Way; thence South 88 degrees 18 minutes 10 seconds East along said Right of Way a distance of 195.28 feet to the true point of beginning. Subject to easements and restrictions and situate in Polk County, Missouri.

STATE OF MISSOURI }
COUNTY OF POLK }

#1793

Filed for record 1 day of April, 2004
at 11 o'clock 02 minutes 4 m and duly
recorded in book 675 at page 66-70Witness my hand and official seal this day and year
above written.By Marsha Marshall Carol Polindexter, Recorder
Deputy

(Above space reserved for use of Recorder's Office)

COVER SHEET

1. Title of Document: Amendment Number One to Covenants, Conditions and Restrictions for the Bolivar Industrial Park
2. Date of Document: March 20, 2004
3. Grantor(s): The Industrial Development Authority of the City of Bolivar, Missouri
4. Grantee(s): The Industrial Development Authority of the City of Bolivar, Missouri
5. Statutory Mailing Address: P.O. Box 9, Bolivar, MO 65613
6. Legal Description:

Tract I: All that part of the West Half of the Southeast Quarter of Section 10, Township 33 North, Range 23 West lying South and West of State Highway Route 13 as now located, except any part off the South side thereof for public road and highway and less and except the abutter's right of direct access between said Route 13 and the abutting land in the West half of the Southeast Quarter of Section 10, Township 33 North, Range 23 West as provided in the Report of Commissioner's recorded in Book 274, Page 244;

Tract II: Also all that part of the East Half of the Southwest Quarter of Section 10, Township 33 North, Range 23 West, which lies West of State Highway Route 13 as now located, Less and Except the abutter's right of direct access between said Route 13 and the abutting land in the Northeast Quarter of the Southwest Quarter of Section 10, Township 33 North, Range 23 West as provided in the Right of Way Deed to the Sate of Missouri recorded in Book 267, Page 601. Subject to public road along the North side thereof.

Also except a tract of land in the Southeast Quarter of the Southwest Quarter of Section 10, Township 33 North, Range 23 West described as beginning at the Southeast corner of said Southeast Quarter of the Southwest Quarter thence North 349.5 feet, thence West 162.0 feet, thence South 349.5 feet, thence East 162.0 feet to the point of beginning, less that part for public right of way.

Also except a tract of land in the Southeast Quarter of the Southwest Quarter of Section 10, Township 33 North, Range 23 West described as commencing at the Southeast corner of said Southeast Quarter of the Southwest Quarter, thence North 88 degrees 08 minutes 52 seconds West along the South line of said Quarter-Quarter a distance of 162.0 feet; thence North 2 degrees 17 minutes 43 seconds East and parallel to the East line of said Southwest Quarter a distance of 30.05 feet to a point on the North Right of Way of "T" Highway and the true point of beginning of the tract to be herein described; thence North 2 degrees 17 minutes 43 seconds East a distance of 246.08 feet; thence North 88 degrees 18 minutes 10 seconds West a distance of 198.32 feet; thence South 1 degree 36 minutes 42 seconds West a distance of 245.13 feet to a point on said Right of Way; thence South 88 degrees 18

0067

minutes 10 seconds East along said Right of Way a distance of 195.28 feet to the true point of beginning. Subject to easements and restrictions and situate in Polk County, Missouri.

7. Reference Book and Page(s): Book 645, Page 991

DLHK No. 1-017

AMENDMENT NUMBER ONE TO COVENANTS, CONDITIONS AND RESTRICTIONS FOR THE BOLIVAR INDUSTRIAL PARK

Pursuant to the provisions of Section 20(b) of those certain Covenants, Conditions and Restrictions for the Bolivar Industrial Park signed June 11, 2002 and recorded in Book 645 at Page 991 et. seq. of the Recorder's Office of Polk County, Missouri, the undersigned Industrial Development Authority of the City of Bolivar, Missouri does hereby amend such Covenants, Conditions and Restrictions in the following respect:

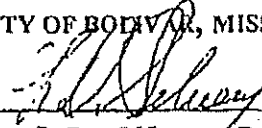
Restriction Number 10 is hereby amended to read as follows:

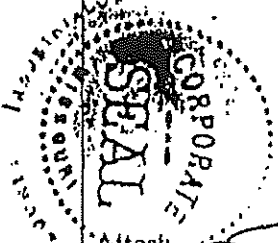
"SIGNS: Except as hereinafter stated, no sign shall be erected, constructed or maintained within the foundations of the Industrial Park except (i) those that identify the Industrial Park, (ii) those necessary for directional and informational purposes, and (iii) those that identify the tenant or owner of building site. Roof, pole, projecting or banner signs will not be allowed. Ground signs will be allowed only if the sign is flush with the ground. If a sign is illuminated it shall not be of the flashing beacon type. Notwithstanding the preceding provisions, the owner or occupant of that tract of ground described on Exhibit A that is attached hereto and made a part hereof by reference may erect such signage as shall comply with the zoning and subdivision regulations of the City of Bolivar, Missouri as now in effect, or as they may hereafter be amended from time to time."

In Witness Whereof, this Amendment has been signed this 30th day of March, 2004.

THE INDUSTRIAL DEVELOPMENT AUTHORITY OF
THE CITY OF BOLIVAR, MISSOURI

By


L.D. Silvey, President



Attest:


Dave Strader, Assistant Secretary

0069

STATE OF MISSOURI)
) ss.
COUNTY OF POLK)

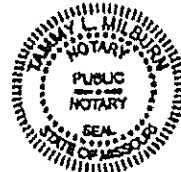
On this 30th day of March, 2004, before me personally appeared L.D. Silvey, to me known, who being by me duly sworn, did say that he is the President of The Industrial Development Authority of the City of Bolivar, Missouri, a corporation, that the seal affixed to said instrument is the corporate seal of said corporation and that said instrument was executed on behalf of said corporation by authority of its Board of Directors, and the said L.D. Silvey acknowledged said instrument to be the free act and deed of said corporation.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal, at my office in Bolivar, Missouri, the day and year first above written.

My term of office as a Notary Public will expire 2-9-07.

Tammy L. Milburn
Notary Public

DHKH File No. 1-017



TAMMY L. MILBURN Notary Public
Polk County State of Missouri
My Commission Expires Feb. 9, 2007

DESCRIPTION OF NEV TRACT

A TRACT OF LAND SITUATED IN THE 1/2 SE1/4 OF SECTION 18, TOWNSHIP 33 NORTH, RANGE 23 WEST OF THE FIFTH PRINCIPAL MERIDIAN, POLK COUNTY, MISSOURI, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHWEST CORNER OF SAID 1/2 SE1/4; THENCE N02°15'57"E ALONG THE WEST LINE OF SAID 1/2 SE1/4, A DISTANCE OF 33.53 FEET TO AN EXISTING IRON PIN ON THE NORTH RIGHT-OF-WAY LINE OF MISSOURI STATE HIGHWAY "T"; THENCE S88°20'39"E ALONG SAID RIGHT-OF-WAY LINE, 231.72 FEET TO AN IRON PIN SET AT THE POINT OF BEGINNING OF THE TRACT HEREIN DESCRIBED; THENCE N01°39'21"E, 326.25 FEET TO AN IRON PIN SET; THENCE S88°20'39"E, 369.33 FEET TO THE WEST LINE OF THE COUNTY ROAD CONNECTOR TRACT, AS DESCRIBED IN BOOK 614 AT PAGES 1439-1440 OF THE DEED RECORDS OF SAID POLK COUNTY; THENCE S29°34'32"E ALONG SAID WEST LINE, 317.53 FEET TO AN EXISTING IRON PIN; THENCE S88°36'42"W, 29.31 FEET TO AN EXISTING RIGHT-OF-WAY MARKER ON SAID NORTH RIGHT-OF-WAY LINE OF MISSOURI STATE HIGHWAY "T"; THENCE N88°20'29"W, 546.00 FEET TO THE POINT OF BEGINNING, CONTAINING 3.5 ACRES, MORE OR LESS.

SUBJECT TO ALL RIGHTS OF WAY AND EASEMENTS OF RECORD, AND SPECIFICALLY SUBJECT TO A WATERLINE EASEMENT, AS DESCRIBED IN BOOK 602, AT PAGE 371 OF SAID DEED RECORDS.

CERTIFICATE OF APPROVAL OF THE PLANNING COMMISSION

THIS LOT SPLIT HAS BEEN SUBMITTED TO AND APPROVED BY THE PLANNING COMMISSION THIS 2ND DAY OF FEBRUARY, 2004.

[Signature]
CHAIRMAN

[Signature]
SECRETARY

ACCEPTANCE BY CITY OF BOLNAR

THE LOT SPLIT SHOWN ON THIS PLAT ACCEPTED BY THE BOARD OF ALDERMEN OF THIS CITY OF BOLNAR, MISSOURI THIS 2ND DAY OF FEBRUARY 2004.

[Signature]
MAYOR OF BOLNAR

ATTEST: *[Signature]*
CITY CLERK

EXHIBIT

A

sell-off

0317

STATE OF MISSOURI } # 1831
COUNTY OF POLK }
Filed for record 2 day of April, 2004
at 10 o'clock 55 minutes A m and duly
recorded in book 675 at page 317-319

Witness my hand and official seal this day and year
above written.
By Carol Poindexter
Carol Poindexter, Recorder

WARRANTY DEED

THIS INDENTURE, made on March 31, 2004, by and between The Industrial Development Authority of City of Bolivar, a Missouri Industrial Development Corporation, hereinafter referred to as GRANTOR or party of the first part, whether one or more, and Gebhard & Gebhard, Inc., in the State of Missouri, hereinafter referred to as GRANTEE or party of the second part, whether one or more. Mailing address of said first named grantee is 4217 Greenbriar Dr., Nixa, MO 65714

WITNESSETH, that the said GRANTOR or party of the first part, in consideration of the sum of Ten and No/100 Dollars (\$10.00) and other good and valuable consideration to him paid by the said GRANTEE or party of the second part, the receipt of which is hereby acknowledged, does by these presents, GRANT, BARGAIN, AND SELL, CONVEY, AND CONFIRM, unto the said GRANTEE or party of the second part, his heirs and assigns, the following described lots, tracts or parcels of land, lying, being and situate in the County of Polk and State of Missouri, to-wit:

A tract of land situated in the West Half of the Southeast Quarter of Section 10, Township 33 North, Range 23 West of the Fifth Principal Meridian, Polk County, Missouri, more particularly described as follows:

Commencing at the Southwest corner of said West Half of the Southeast Quarter; thence North 02 degrees 15 minutes 57 seconds East along the West line of said West Half of the Southeast Quarter, a distance of 33.53 feet to an existing iron pin on the North Right-of-Way line of Missouri State Highway "T"; thence South 88 degrees 20 minutes 39 seconds East along said Right-of-Way line, 251.72 feet to an iron pin set at the point of beginning of the tract herein described; thence North 01 degrees 39 minutes 21 seconds East, 326.25 feet to an iron pin set; thence South 88 degrees 20 minutes 39 seconds East, 369.33 feet to the West line of the County Road connector tract, as described in Book 614 at Pages 1439-1440 of the Deed Records of said Polk County; thence South 29 degrees 34 minutes 52 seconds East along said West line, 347.53 feet to an existing iron pin; thence South 08 degrees 36 minutes 42 seconds West, 29.31 feet to an existing Right-of-Way marker on said North Right-of-Way line of Missouri State Highway "T"; thence North 88 degrees 20 minutes 39 seconds West, 546.00 feet to the point of beginning.

Subject to all rights of way and easements of record, and specifically subject to a waterline easement, as described in Book 605 at Page 371 of said Deed Records.

(All the above being shown on survey for Lot Split recorded in Book 8, Page 115 of the Deed Records of Polk County, Missouri.)

TO HAVE AND TO HOLD the premises aforesaid, with all and singular the rights, privileges, appurtenances, and immunities thereto belonging, or in anyway appertaining, unto the said GRANTEE or party of the second part, and unto his heirs and assigns forever; the said GRANTOR or party of the first

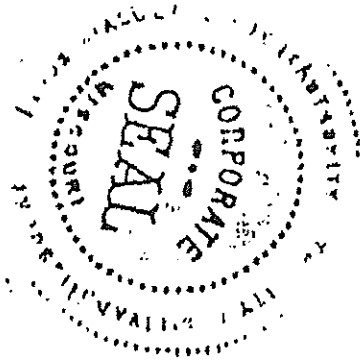
part hereby covenanting that he is lawfully seized of an indefeasible estate in fee in the premises herein conveyed; that he has good right to convey the same; that the said premises are free and clear of any encumbrances done or suffered by him or those under whom he claims and that he will warrant and defend the title to the said premises unto the said GRANTEE or party of the second part and unto his heirs and assigns forever, against the lawful claims and demands of all persons whomsoever.

Reference herein to the masculine singular shall refer to all parties that the context shall require, whether masculine, feminine, or neuter, and whether one or more. If GRANTOR or party of the first part or GRANTEE or party of the second part shall be corporations, all references herein to the heirs of such corporate party shall be construed to refer to the successors thereof.

IN WITNESS WHEREOF, this deed has been executed the day and year first above written.

GRANTORS:

The Industrial Development Authority of City of Bolivar, a Missouri Industrial Development Corporation



By: *L. D. Silvey*
L. D. Silvey, President

Gene Hutcheson
Gene Hutcheson, Secretary

STATE OF MISSOURI)
) ss.
COUNTY OF POLK)

On this 31st day of March, 2004, before me personally appeared L.D. Silvey and Gene Hutcheson, to me known, who being by me duly sworn, did say that they are the President and Secretary, respectively, of The Industrial development Authority of City of Bolivar, a Missouri Industrial Development Corporation, that the seal affixed to said instrument is the corporate seal of said corporation and that said instrument was executed on behalf of said corporation by authority of its Board of Directors, and the said L.D. Silvey and Gene Hutcheson acknowledged said instrument to be the free act and deed of said corporation.

0319

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal, at my office in Bolivar, Missouri, the day and year first above written.

My term of office as a Notary Public will expire

4/18/2004

Brenda Pearson

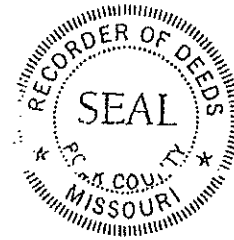
Notary Public

BRENDA PEARSON
Notary Public - State of Missouri
County of Hickory
My Commission Expires Apr 18, 2004



Shell Title Company
109 E. Broadway
Bolivar, MO 65613
File #0401-077

POLK COUNTY, BOLIVAR, MO
CAROL POINDEXTER, RECORDER OF DEEDS



06/29/2007 #2007-L-3689
02:00:00PM B-734 P-256

REAL ESTATE DOCUMENT
POLK COUNTY, MISSOURI
RECORDERS CERTIFICATION
Carol Poindexter
RECORDER OF DEEDS

SPECIAL WARRANTY DEED

THIS SPECIAL WARRANTY DEED granted this 29th day of June, 2007, by The Industrial Development Authority of the City of Bolivar, Missouri (the "Grantor"), to the City of Bolivar, Missouri, a political subdivision of the State of Missouri (the "Grantee"), having a mailing address as follows: 345 S. Main Ave., P.O. Box 9, Bolivar, Missouri 65613.

WITNESSETH, THAT THE GRANTOR, in consideration of the sum of One Dollar (\$1.00) and other good and valuable considerations to it paid by the Grantee (the receipt and sufficiency of which is hereby acknowledged) do by these presents, **BARGAIN and SELL, CONVEY and CONFIRM** unto the Grantee, its successors and assigns, the lots, tracts or parcels of land described on **EXHIBIT A**, which is attached hereto.

TO HAVE AND TO HOLD, the premises aforesaid, with all and singular the rights, privileges, appurtenances and immunities thereto belonging or in anyway appertaining unto the Grantee and unto its successors and assigns forever; the Grantor hereby covenanting that it is lawfully seized of an indefeasible estate in fee of the premises described herein, that it has good right to convey the same, and that it will warrant and defend the title to said premises unto the Grantee and unto the Grantee's successors and assigns forever, against the lawful claims and demands of all persons whomsoever claiming by, through or under Grantor but none other, and the transfer of the Property being "AS IS".

IN WITNESS WHEREOF, the Grantor has caused this Special Warranty Deed to be executed as of the day and year above written.

By: _____
Name: _____
Title: _____

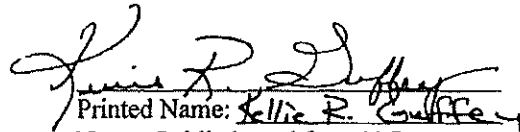
Paul J. Gray
Paul J. Gray
President

ACKNOWLEDGMENT

STATE OF MISSOURI)
) SS
COUNTY OF POLK)

BE IT REMEMBERED, that on this 27 day of June, 2007, before me, the undersigned, a Notary Public in and for the County and State aforesaid, came Brad Gregory, President of The Industrial Development Authority of the City of Bolivar, Missouri, a public corporation duly authorized, incorporated and existing under and by virtue of the constitution and laws of the State of Missouri, who is personally known to me to be such officer, and who is personally known to me to be the same person who executed, as such officer, the within instrument on behalf of said City, and such person duly acknowledged the execution of the same to be the act and deed of said City.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year last above written.


Printed Name: Kellie R. Guffey
Notary Public in and for said State
Commissioned in Polk County

My commission expires: July 5, 2010

KELLIE R. GUFFEY Notary Public - Notary Seal STATE OF MISSOURI Polk County - Comm.#06903394 My Commission Expires July 5, 2010
--

EXHIBIT "A"

Part of the Southeast Quarter of the Southwest Quarter of Section 10, Township 33 North, Range 23 West, as surveyed in Polk County Surveyor's Record Book 11, page 10, commencing at the Southeast corner of said Southeast Quarter of the Southwest Quarter, thence North 88 degrees 08 minutes 46 seconds West along the Section line 356.43 feet; thence North 01 degrees 36 minutes 42 seconds East 34.51 feet to the point of beginning; thence North 01 degrees 36 minutes 42 seconds East 240.13 feet; thence North 88 degrees 18 minutes 10 seconds West 250.00 feet; thence South 01 degrees 36 minutes 42 seconds West 239.92 feet; thence South 88 degrees 15 minutes 17 seconds East along the North Right of Way of Missouri Highway "T" 250.00 feet to the point of beginning, all in Polk County, Missouri.

APPENDIX D
ENVIRONMENTAL DATABASE REPORT

Bolivar Business Park

1700 S. Wommack Ave.

Bolivar, MO 65613

Inquiry Number: 4703281.2s

August 17, 2016

The EDR Radius Map™ Report with GeoCheck®



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

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

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EXECUTIVE SUMMARY

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

TARGET PROPERTY INFORMATION

ADDRESS

1700 S. WOMMACK AVE.
BOLIVAR, MO 65613

COORDINATES

Latitude (North): 37.6009580 - 37° 36' 3.44"
Longitude (West): 93.4410530 - 93° 26' 27.79"
Universal Transverse Mercator: Zone 15
UTM X (Meters): 461066.8
UTM Y (Meters): 4161428.8
Elevation: 1129 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 6726413 BOLIVAR, MO
Version Date: 2015

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20140814
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:
1700 S. WOMMACK AVE.
BOLIVAR, MO 65613

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	JUMP STOP #2	1724 KILLINGSWORTH A	LAST, SPILLS	Lower	704, 0.133, ESE
2	TRACKER MARINE/BOLIV	1402 S KILLINGSWORTH	RCRA NonGen / NLR	Lower	1044, 0.198, East

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

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

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

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

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing
SEMS..... Superfund Enterprise Management System

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE..... Superfund Enterprise Management System Archive

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

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

Federal RCRA generators list

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

Federal institutional controls / engineering controls registries

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

EXECUTIVE SUMMARY

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

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent CERCLIS

SHWS..... Registry of Confirmed Abandoned or Uncontrolled Hazardous Waste Disposal Sites

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

SWF/LF..... Permitted Facility List

State and tribal leaking storage tank lists

LUST..... Leaking Underground Storage Tanks

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

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing

UST..... Petroleum Storage Tanks

AST..... Aboveground Petroleum Storage Tanks

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

State and tribal institutional control / engineering control registries

AUL..... Sites with Controls

State and tribal voluntary cleanup sites

VCP..... Voluntary Cleanup Program Site Listing

INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS..... Brownfields Site List

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY..... Solid Waste Recycling Facilities

HIST LF..... Solid Waste Facility Database List

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

ODI..... Open Dump Inventory

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

Local Lists of Hazardous waste / Contaminated Sites

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

EXECUTIVE SUMMARY

CDL..... Environmental Emergency Response System
DEL SHWS..... Registry Sites Withdrawn or Deleted
US CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System
SPILLS..... Environmental Response Tracking Database
SPILLS 90..... SPILLS 90 data from FirstSearch

Other Ascertainable Records

FUDS..... Formerly Used Defense Sites
DOD..... Department of Defense Sites
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR..... Financial Assurance Information
EPA WATCH LIST..... EPA WATCH LIST
2020 COR ACTION..... 2020 Corrective Action Program List
TSCA..... Toxic Substances Control Act
TRIS..... Toxic Chemical Release Inventory System
SSTS..... Section 7 Tracking Systems
ROD..... Records Of Decision
RMP..... Risk Management Plans
RAATS..... RCRA Administrative Action Tracking System
PRP..... Potentially Responsible Parties
PADS..... PCB Activity Database System
ICIS..... Integrated Compliance Information System
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS..... Material Licensing Tracking System
COAL ASH DOE..... Steam-Electric Plant Operation Data
COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER..... PCB Transformer Registration Database
RADINFO..... Radiation Information Database
HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS..... Incident and Accident Data
CONSENT..... Superfund (CERCLA) Consent Decrees
INDIAN RESERV..... Indian Reservations
FUSRAP..... Formerly Utilized Sites Remedial Action Program
UMTRA..... Uranium Mill Tailings Sites
LEAD SMELTERS..... Lead Smelter Sites
US AIRS..... Aerometric Information Retrieval System Facility Subsystem
US MINES..... Mines Master Index File
FINDS..... Facility Index System/Facility Registry System
DOCKET HWC..... Hazardous Waste Compliance Docket Listing
UXO..... Unexploded Ordnance Sites
AIRS..... Permit Facility Listing
COAL ASH..... Coal Ash Disposal Sites
DRYCLEANERS..... Drycleaners in Missouri Listing
Financial Assurance..... Financial Assurance Information Listing
MINES..... Industrial Mineral Mines Database

EXECUTIVE SUMMARY

NPDES.....	Permitted Facility Listing
MO RRC.....	Certified Hazardous Waste Resource Recovery Facilities
SMARS.....	Site Management and Reporting System
UIC.....	Underground Injection Wells Database
FUELS PROGRAM.....	EPA Fuels Program Registered Listing
ECHO.....	Enforcement & Compliance History Information

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

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

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

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

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property. Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

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

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

STANDARD ENVIRONMENTAL RECORDS

State and tribal leaking storage tank lists

LAST: A listing of leaking aboveground storage tanks.

A review of the LAST list, as provided by EDR, and dated 06/07/2016 has revealed that there is 1 LAST site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>JUMP STOP #2</i> Facility Id: ST3004701	<i>1724 KILLINGSWORTH A</i>	<i>ESE 1/8 - 1/4 (0.133 mi.)</i>	<i>1</i>	<i>8</i>

EXECUTIVE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

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

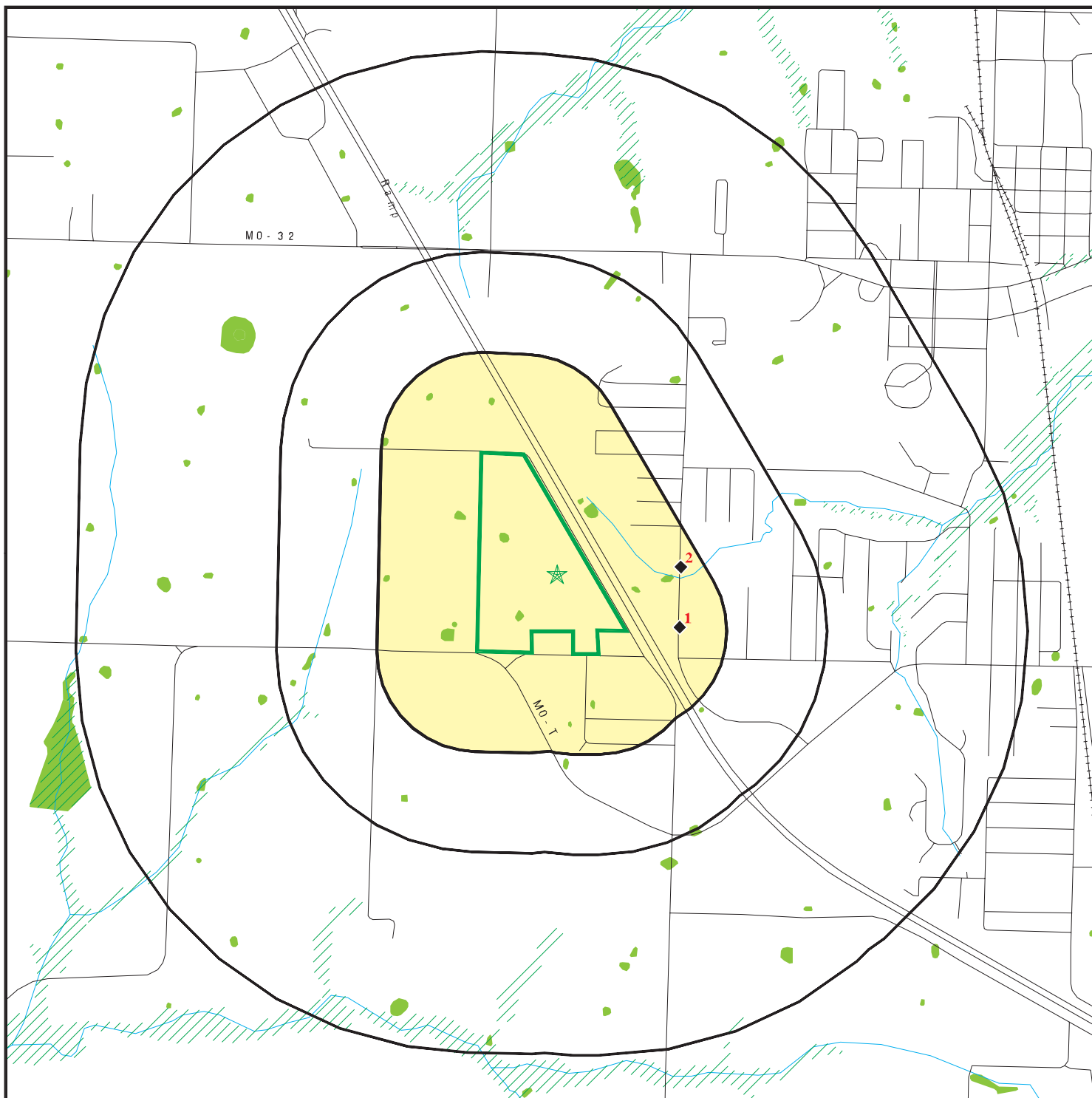
A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 12/09/2015 has revealed that there is 1 RCRA NonGen / NLR site within approximately 0.25 miles of the target property.







<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
TRACKER MARINE/BOLIV	1402 S KILLINGSWORTH	E 1/8 - 1/4 (0.198 mi.)	2	9






EXECUTIVE SUMMARY

There were no unmapped sites in this report.

OVERVIEW MAP - 4703281.2S



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

-  Indian Reservations BIA
-  100-year flood zone
-  500-year flood zone
-  National Wetland Inventory
-  State Wetlands










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

SITE NAME: Bolivar Business Park
 ADDRESS: 1700 S. Wommack Ave.
 Bolivar MO 65613
 LAT/LONG: 37.600958 / 93.441053

CLIENT: Terracon
 CONTACT: Kameron Long
 INQUIRY #: 4703281.2s
 DATE: August 17, 2016 12:24 pm

DETAIL MAP - 4703281.2S



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  Sensitive Receptors
-  National Priority List Sites
-  Dept. Defense Sites

-  Indian Reservations BIA
-  100-year flood zone
-  500-year flood zone
-  National Wetland Inventory
-  State Wetlands

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

SITE NAME: Bolivar Business Park
 ADDRESS: 1700 S. Wommack Ave.
 Bolivar MO 65613
 LAT/LONG: 37.600958 / 93.441053

CLIENT: Terracon
 CONTACT: Kameron Long
 INQUIRY #: 4703281.2s
 DATE: August 17, 2016 12:26 pm

MAP FINDINGS SUMMARY

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

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
AUL	0.500		0	0	0	NR	NR	0
State and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
SWRCY	0.500		0	0	0	NR	NR	0
HIST LF	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
DEL SHWS	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
SPILLS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	1	NR	NR	NR	1
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

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

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

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

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS	TP		NR	NR	NR	NR	NR	0
---------	----	--	----	----	----	----	----	---

MAP FINDINGS SUMMARY

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

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

1
ESE
1/8-1/4
0.133 mi.
704 ft.

JUMP STOP #2
1724 KILLINGSWORTH AVE
BOLIVAR, MO 65613

LAST **S106150232**
SPILLS **N/A**

Relative:
Lower

LAST:

Actual:
1123 ft.

Facility ID: ST3004701
 Lat/Long (dms): Not reported
 Lat/Long: Not reported
 Region: SW
 Remediation ID: R007868
 Expedited: No
 Expedited Date: Not reported
 Expenditures From The American Recovery and Reinvestment Act of 2009: No
 Reopened Date: Not reported
 Number Of Remediation Monitoring Wells: 0
 Active: No
 Rank: 41
 Spill Number: Not reported
 Release Date: Not reported
 Emergency Reponse Date: Not reported
 Emergency Cleanup Start: Not reported
 Release Type: A
 Date Cleanup Started: 02/28/2004
 Date Cleanup Finished: 06/27/2013
 Referred To DGLS for Investigation: Not reported
 Contractor Performing Clean Up: Not reported
 RBCA NFA: No
 Date Of NFA Letter From DNR: Not reported
 Project Manager: TB
 Next Correspondence/Update With Fac: Not reported
 Date Added: 01/27/2005
 Date Record Edited: 06/28/2013
 Person Adding Or Editing Record: BULLOCK, TERESA
 Facility Sent To State Archive: No
 Date Remediation Unit Closed The File: 06/27/2013
 Site Affectd By Funding Level From PSTIF: No
 Date Record Meets Archive Criteria: Not reported
 General Comments: 02/28/05 RPS - Responded to 10-29-02 letter from Environmental Works. Appears that site is elligible for NFRA, however, we need a copy of the phase II investigation to verify the locations of the soil samples. Proper chain of custody forms must also be included w/ the report.11/4/06 MAS: Rev'd letter requesting site closure. Indicated that we do not have the needed info to issue NFA. Need PH II subsurface investigation report and further assessment of product piping.9/26/11 JO - drafted status request letter5/24/13 TB drafted status letter requesting copy of complete Phase II investigation be submitted. Informed add'l site char activies may be required.6/24/13 TB Rec'v email from EW1 requesting admin closure/NFA based on results of ESA performed in 2002. Reviewed with LL. Only one sample exceed DTLs (1996 guidance) of TPH at 51ppm. Request admin closure. Memo to file.6/26/13 Admin closed

MO SPILLS:

Facility ID: 0210251015BWH
 Regional Office: SWRO
 Spill Number: 0210251015BWH
 Date Reported: 10/25/2002

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JUMP STOP #2 (Continued)

S106150232

Call Date/time: 10:15:00
Lat/Long: 37.609451 -93.435051
UTM Zone For GPS: 15
Discovery Date: 10/25/2002
Email: False
Is This A Continuous Release To Be Monitored?: False
Cause: Leaking Tank System
Contact Name: Shaun Coker
Contact Phone #: 4173264523
Contact Id: {C10442AD-7D51-40AF-8F33-5C38483D2DC3}
Organization Name: Miltonberger Oil Company
Organization Address1: PO Box 357
Organization Address2: Not reported
Organization City: Bolivar
Organization State: MO
Organization Zip: 65613
Entity Phone #: 4173264523
Date Of Incident Search: 10/25/2002
Property Code Description: Conv. Store/Gas Station
Property Sub Category: Not reported
Cause Description: Leaking Tank System
Cause Sub Category: UST
Description: Address Matching - Other Address Matching
Job Code: Not reported
Additional Info: Spill Summary: THE CALLER REPORTS THAT CONTAMINATION WAS ENCOUNTERED AT A PETROLEUM STORAGE TANK SITE. Response Summary: THE EER REFERRED THIS INCIDENT TO THE HAZARDOUS WASTE PROGRAM'S TANKS SECTION. Additional Information: JUMP STOP #2AST # 3004701
Spill Num: 0210251015BWH
Agent Code: 411
Agency Receiving Copy of Incident Report: DNR - HWP - Leaking Aboveground ST Section
Immediate Or Delayed: D
User Name: DNR - HWP - Leaking Aboveground ST Section

2
East
1/8-1/4
0.198 mi.
1044 ft.

TRACKER MARINE/BOLIVAR
1402 S KILLINGSWORTH
BOLIVAR, MO 65613

RCRA NonGen / NLR 1000123598
MOD981722341

Relative:
Lower

RCRA NonGen / NLR:
Date form received by agency: 08/13/2010
Facility name: TRACKER MARINE/BOLIVAR
Facility address: 1402 S KILLINGSWORTH
BOLIVAR, MO 65613
EPA ID: MOD981722341
Mailing address: E KEARNEY ST
SPRINGFIELD, MO 65803
Contact: WILLIAM M CAUVEREN
Contact address: E KEARNEY ST
SPRINGFIELD, MO 65803
Contact country: US
Contact telephone: (417) 873-5096
Contact email: WMCAUVEREN@BASSPRO.COM
EPA Region: 07
Land type: Private
Classification: Non-Generator

Actual:
1110 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TRACKER MARINE/BOLIVAR (Continued)

1000123598

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: TRACKER MARINE LLC
Owner/operator address: E KEARNEY
SPRINGFIELD, MO 65803
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 07/06/1987
Owner/Op end date: Not reported

Owner/operator name: TRACKER MARINE GROUP LLC
Owner/operator address: E KEARNEY ST
SPRINGFIELD, MO 65803
Owner/operator country: Not reported
Owner/operator telephone: (417) 873-5096
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 07/06/1987
Owner/Op end date: Not reported

Owner/operator name: TRACKER MARINE LLC
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 07/06/1987
Owner/Op end date: Not reported

Owner/operator name: TRACKER MARINE GROUP LLC
Owner/operator address: E KEARNEY ST
SPRINGFIELD, MO 65803
Owner/operator country: Not reported
Owner/operator telephone: (417) 873-5451
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 07/06/1987
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TRACKER MARINE/BOLIVAR (Continued)

1000123598

Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 03/01/2010

Site name: TRACKER MARINE-BOLIVAR
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 02/15/2008

Site name: TRACKER MARINE - BOLIVAR
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 02/28/2006

Site name: TRACKER MARINE BOLIVAR

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TRACKER MARINE/BOLIVAR (Continued)

1000123598

Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 12/24/2003

Site name: TRACKER MARINE LP
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 02/29/1996

Site name: TRACKER MARINE L.P.
Classification: Large Quantity Generator

Date form received by agency: 06/21/1994

Site name: TRACKER MARINE
Classification: Small Quantity Generator

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TRACKER MARINE/BOLIVAR (Continued)

1000123598

ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003

. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005

. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 03/09/1990

Site name: TRACKER MARINE

Classification: Large Quantity Generator

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: TSD IS-Container Use and Management
Date violation determined: 09/14/2006
Date achieved compliance: 11/13/2006
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Preparedness and Prevention
Date violation determined: 09/14/2006
Date achieved compliance: 11/13/2006
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TRACKER MARINE/BOLIVAR (Continued)

1000123598

Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 40 CFR 262.34(a)(4)
Area of violation: Generators - Pre-transport
Date violation determined: 08/18/2004
Date achieved compliance: 09/07/2004
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/18/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 04/01/1998
Date achieved compliance: 05/18/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/14/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 04/01/1998
Date achieved compliance: 05/18/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/14/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 03/19/1991
Date achieved compliance: 06/05/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/19/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TRACKER MARINE/BOLIVAR (Continued)

1000123598

Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 03/19/1991
Date achieved compliance: 03/26/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/19/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 03/19/1991
Date achieved compliance: 06/05/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/02/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 03/19/1991
Date achieved compliance: 07/24/1992
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/19/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 09/14/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-Preparedness and Prevention
Date achieved compliance: 11/13/2006
Evaluation lead agency: State

Evaluation date: 09/14/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-Container Use and Management
Date achieved compliance: 11/13/2006
Evaluation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TRACKER MARINE/BOLIVAR (Continued)

1000123598

Evaluation date: 08/18/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 09/07/2004
Evaluation lead agency: EPA

Evaluation date: 04/01/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 05/18/1998
Evaluation lead agency: State

Evaluation date: 04/01/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 05/18/1998
Evaluation lead agency: State

Evaluation date: 03/19/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 03/26/1991
Evaluation lead agency: State

Evaluation date: 03/19/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 06/05/1991
Evaluation lead agency: State

Evaluation date: 03/19/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 07/24/1992
Evaluation lead agency: State

Count: 0 records.

ORPHAN SUMMARY

<u>City</u>	<u>EDR ID</u>	<u>Site Name</u>	<u>Site Address</u>	<u>Zip</u>	<u>Database(s)</u>
NO SITES FOUND					

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

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

Date of Government Version: 03/07/2016	Source: EPA
Date Data Arrived at EDR: 04/05/2016	Telephone: N/A
Date Made Active in Reports: 04/15/2016	Last EDR Contact: 07/07/2016
Number of Days to Update: 10	Next Scheduled EDR Contact: 10/17/2016
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

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

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

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

Date of Government Version: 03/07/2016	Source: EPA
Date Data Arrived at EDR: 04/05/2016	Telephone: N/A
Date Made Active in Reports: 04/15/2016	Last EDR Contact: 07/07/2016
Number of Days to Update: 10	Next Scheduled EDR Contact: 10/17/2016
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

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

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

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

Date of Government Version: 03/07/2016	Source: EPA
Date Data Arrived at EDR: 04/05/2016	Telephone: N/A
Date Made Active in Reports: 04/15/2016	Last EDR Contact: 07/07/2016
Number of Days to Update: 10	Next Scheduled EDR Contact: 10/17/2016
	Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

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

Date of Government Version: 11/13/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/06/2016	Telephone: 703-603-8704
Date Made Active in Reports: 05/20/2016	Last EDR Contact: 07/06/2016
Number of Days to Update: 135	Next Scheduled EDR Contact: 10/17/2016
	Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

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

Date of Government Version: 03/07/2016	Source: EPA
Date Data Arrived at EDR: 04/05/2016	Telephone: 800-424-9346
Date Made Active in Reports: 04/15/2016	Last EDR Contact: 07/22/2016
Number of Days to Update: 10	Next Scheduled EDR Contact: 10/31/2016
	Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 03/07/2016	Source: EPA
Date Data Arrived at EDR: 04/05/2016	Telephone: 800-424-9346
Date Made Active in Reports: 04/15/2016	Last EDR Contact: 07/22/2016
Number of Days to Update: 10	Next Scheduled EDR Contact: 10/31/2016
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/09/2015	Source: EPA
Date Data Arrived at EDR: 03/02/2016	Telephone: 800-424-9346
Date Made Active in Reports: 04/05/2016	Last EDR Contact: 06/30/2016
Number of Days to Update: 34	Next Scheduled EDR Contact: 10/10/2016
	Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

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

Date of Government Version: 12/09/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/02/2016	Telephone: 913-551-7003
Date Made Active in Reports: 04/05/2016	Last EDR Contact: 06/30/2016
Number of Days to Update: 34	Next Scheduled EDR Contact: 10/17/2016
	Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 12/09/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/02/2016	Telephone: 913-551-7003
Date Made Active in Reports: 04/05/2016	Last EDR Contact: 06/30/2016
Number of Days to Update: 34	Next Scheduled EDR Contact: 10/17/2016
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 12/09/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/02/2016	Telephone: 913-551-7003
Date Made Active in Reports: 04/05/2016	Last EDR Contact: 06/30/2016
Number of Days to Update: 34	Next Scheduled EDR Contact: 10/17/2016
	Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

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

Date of Government Version: 12/09/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/02/2016	Telephone: 913-551-7003
Date Made Active in Reports: 04/05/2016	Last EDR Contact: 06/30/2016
Number of Days to Update: 34	Next Scheduled EDR Contact: 10/17/2016
	Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

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

Date of Government Version: 05/28/2015	Source: Department of the Navy
Date Data Arrived at EDR: 05/29/2015	Telephone: 843-820-7326
Date Made Active in Reports: 06/11/2015	Last EDR Contact: 08/12/2016
Number of Days to Update: 13	Next Scheduled EDR Contact: 11/28/2016
	Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

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

Date of Government Version: 09/10/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/11/2015	Telephone: 703-603-0695
Date Made Active in Reports: 11/03/2015	Last EDR Contact: 05/25/2016
Number of Days to Update: 53	Next Scheduled EDR Contact: 09/12/2016
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

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

Date of Government Version: 09/10/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/11/2015	Telephone: 703-603-0695
Date Made Active in Reports: 11/03/2015	Last EDR Contact: 05/25/2016
Number of Days to Update: 53	Next Scheduled EDR Contact: 09/12/2016
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

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

Date of Government Version: 03/28/2016

Date Data Arrived at EDR: 03/30/2016

Date Made Active in Reports: 05/20/2016

Number of Days to Update: 51

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Last EDR Contact: 06/28/2016

Next Scheduled EDR Contact: 10/10/2016

Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

HWS DETAIL: Registry Annual Report

Each site is described in detail in this annual report and includes the following information: a general description of the site; a summary of any significant environmental problems at and near the site; a summary of any serious health problems in the immediate vicinity of the site; the status of any testing, monitoring or remedial actions in progress or recommended by the department.

Date of Government Version: 06/30/2015

Date Data Arrived at EDR: 06/07/2016

Date Made Active in Reports: 08/05/2016

Number of Days to Update: 59

Source: Department of Natural Resources

Telephone: 573-751-3176

Last EDR Contact: 05/31/2016

Next Scheduled EDR Contact: 07/02/5007

Data Release Frequency: Annually

SHWS: Registry of Confirmed Abandoned or Uncontrolled Hazardous Waste Disposal Sites

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 11/10/2015

Date Data Arrived at EDR: 01/05/2016

Date Made Active in Reports: 02/19/2016

Number of Days to Update: 45

Source: Department of Natural Resources

Telephone: 573-751-1990

Last EDR Contact: 07/11/2016

Next Scheduled EDR Contact: 09/12/2016

Data Release Frequency: Quarterly

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

SWF/LF: Solid Waste Facility List

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/19/2016

Date Data Arrived at EDR: 05/24/2016

Date Made Active in Reports: 08/05/2016

Number of Days to Update: 73

Source: Department of Natural Resources

Telephone: 573-751-5401

Last EDR Contact: 08/12/2016

Next Scheduled EDR Contact: 11/28/2016

Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LAST: Leaking Aboveground Storage Tanks

A listing of leaking aboveground storage tanks.

Date of Government Version: 06/07/2016

Date Data Arrived at EDR: 06/14/2016

Date Made Active in Reports: 08/05/2016

Number of Days to Update: 52

Source: Department of Natural Resources

Telephone: 573-751-6822

Last EDR Contact: 06/14/2016

Next Scheduled EDR Contact: 09/26/2016

Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST: Leaking Underground Storage Tanks

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 06/07/2016	Source: Department of Natural Resources
Date Data Arrived at EDR: 06/14/2016	Telephone: 573-751-0135
Date Made Active in Reports: 08/05/2016	Last EDR Contact: 06/14/2016
Number of Days to Update: 52	Next Scheduled EDR Contact: 09/26/2016
	Data Release Frequency: Semi-Annually

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 02/17/2016	Source: EPA, Region 5
Date Data Arrived at EDR: 04/27/2016	Telephone: 312-886-7439
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 07/27/2016
Number of Days to Update: 37	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 01/07/2016	Source: EPA Region 10
Date Data Arrived at EDR: 01/08/2016	Telephone: 206-553-2857
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 07/27/2016
Number of Days to Update: 41	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 02/25/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/27/2016	Telephone: 415-972-3372
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 07/27/2016
Number of Days to Update: 37	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Quarterly

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/13/2015	Source: EPA Region 8
Date Data Arrived at EDR: 10/23/2015	Telephone: 303-312-6271
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 07/27/2016
Number of Days to Update: 118	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/09/2015	Source: EPA Region 7
Date Data Arrived at EDR: 02/12/2016	Telephone: 913-551-7003
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 07/27/2016
Number of Days to Update: 112	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 12/11/2015	Source: EPA Region 6
Date Data Arrived at EDR: 02/19/2016	Telephone: 214-665-6597
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 07/27/2016
Number of Days to Update: 105	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 02/05/2016	Source: EPA Region 4
Date Data Arrived at EDR: 04/29/2016	Telephone: 404-562-8677
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 07/26/2016
Number of Days to Update: 35	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Semi-Annually

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

Date of Government Version: 10/27/2015	Source: EPA Region 1
Date Data Arrived at EDR: 10/29/2015	Telephone: 617-918-1313
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 07/29/2016
Number of Days to Update: 67	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Varies

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010	Source: FEMA
Date Data Arrived at EDR: 02/16/2010	Telephone: 202-646-5797
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 07/07/2016
Number of Days to Update: 55	Next Scheduled EDR Contact: 10/24/2016
	Data Release Frequency: Varies

UST: Petroleum Storage Tanks

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

Date of Government Version: 06/07/2016	Source: Department of Natural Resources
Date Data Arrived at EDR: 06/14/2016	Telephone: 573-751-0135
Date Made Active in Reports: 08/02/2016	Last EDR Contact: 06/14/2016
Number of Days to Update: 49	Next Scheduled EDR Contact: 09/26/2016
	Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tanks
Registered Aboveground Storage Tanks.

Date of Government Version: 06/16/2016	Source: Department of Agriculture
Date Data Arrived at EDR: 06/20/2016	Telephone: 573-751-7062
Date Made Active in Reports: 08/02/2016	Last EDR Contact: 06/06/2016
Number of Days to Update: 43	Next Scheduled EDR Contact: 09/19/2016
	Data Release Frequency: Semi-Annually

INDIAN UST R6: Underground Storage Tanks on Indian Land

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

Date of Government Version: 12/03/2015	Source: EPA Region 6
Date Data Arrived at EDR: 02/04/2016	Telephone: 214-665-7591
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 07/27/2016
Number of Days to Update: 120	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R7: Underground Storage Tanks on Indian Land

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

Date of Government Version: 09/23/2014	Source: EPA Region 7
Date Data Arrived at EDR: 11/25/2014	Telephone: 913-551-7003
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 07/27/2016
Number of Days to Update: 65	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

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

Date of Government Version: 11/05/2015	Source: EPA Region 5
Date Data Arrived at EDR: 11/13/2015	Telephone: 312-886-6136
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 07/27/2016
Number of Days to Update: 52	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

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

Date of Government Version: 02/05/2016	Source: EPA Region 4
Date Data Arrived at EDR: 04/29/2016	Telephone: 404-562-9424
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 07/26/2016
Number of Days to Update: 35	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/20/2015	Source: EPA, Region 1
Date Data Arrived at EDR: 10/29/2015	Telephone: 617-918-1313
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 07/29/2016
Number of Days to Update: 67	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

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

Date of Government Version: 01/26/2016	Source: EPA Region 8
Date Data Arrived at EDR: 02/05/2016	Telephone: 303-312-6137
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 07/27/2016
Number of Days to Update: 119	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

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

Date of Government Version: 02/25/2016	Source: EPA Region 9
Date Data Arrived at EDR: 04/27/2016	Telephone: 415-972-3368
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 07/27/2016
Number of Days to Update: 37	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R10: Underground Storage Tanks on Indian Land

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

Date of Government Version: 01/07/2016	Source: EPA Region 10
Date Data Arrived at EDR: 01/08/2016	Telephone: 206-553-2857
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 07/27/2016
Number of Days to Update: 41	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Quarterly

State and tribal institutional control / engineering control registries

AUL: Sites with Controls

Activity and use limitations include both engineering controls and institutional controls.

Date of Government Version: 05/11/2016	Source: Department of Natural Resources
Date Data Arrived at EDR: 05/19/2016	Telephone: 573-751-3176
Date Made Active in Reports: 08/05/2016	Last EDR Contact: 05/19/2016
Number of Days to Update: 78	Next Scheduled EDR Contact: 08/29/2016
	Data Release Frequency: Varies

State and tribal voluntary cleanup sites

VCP: Sites Participating in the Voluntary Cleanup Program

Sites participating in the Voluntary Cleanup Program.

Date of Government Version: 05/11/2016	Source: Department of Natural Resources
Date Data Arrived at EDR: 05/19/2016	Telephone: 573-526-8913
Date Made Active in Reports: 08/05/2016	Last EDR Contact: 05/19/2016
Number of Days to Update: 78	Next Scheduled EDR Contact: 08/29/2016
	Data Release Frequency: Semi-Annually

INDIAN VCP R7: Voluntary Cleanup Priority Listing

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

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

INDIAN VCP R1: Voluntary Cleanup Priority Listing

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

Date of Government Version: 07/27/2015	Source: EPA, Region 1
Date Data Arrived at EDR: 09/29/2015	Telephone: 617-918-1102
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 07/01/2016
Number of Days to Update: 142	Next Scheduled EDR Contact: 10/10/2016
	Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Site List

Brownfields are sites where redevelopment and reuse is hampered by known or suspected contamination with hazardous substances. While many brownfield sites are minimally contaminated, potential environmental liability can be a problem for owners, operators, prospective buyers and financial institutions. Because of the large number of these sites, their economic impact especially in heavily industrial areas is substantial.

Date of Government Version: 05/11/2016	Source: Department of Natural Resources
Date Data Arrived at EDR: 05/19/2016	Telephone: 573-526-8913
Date Made Active in Reports: 08/05/2016	Last EDR Contact: 05/19/2016
Number of Days to Update: 78	Next Scheduled EDR Contact: 08/29/2016
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

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

Date of Government Version: 03/21/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/22/2016	Telephone: 202-566-2777
Date Made Active in Reports: 07/13/2016	Last EDR Contact: 06/22/2016
Number of Days to Update: 113	Next Scheduled EDR Contact: 10/03/2016
	Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

HIST LF: Solid Waste Facility Database List

This database contains detailed information per site. It is no longer maintained by the Department of Natural Resources. For current information on solid waste facilities/landfills see the SWF/LF database.

Date of Government Version: 04/12/2005	Source: Department of Natural Resources
Date Data Arrived at EDR: 07/19/2006	Telephone: 573-751-5401
Date Made Active in Reports: 08/18/2006	Last EDR Contact: 01/12/2009
Number of Days to Update: 30	Next Scheduled EDR Contact: 04/13/2009
	Data Release Frequency: No Update Planned

SWRCY: Solid Waste Recycling Facilities

A listing of recycling center locations.

Date of Government Version: 06/05/2016	Source: Department of Natural Resources
Date Data Arrived at EDR: 06/07/2016	Telephone: 573-526-3944
Date Made Active in Reports: 08/05/2016	Last EDR Contact: 05/27/2016
Number of Days to Update: 59	Next Scheduled EDR Contact: 09/12/2016
	Data Release Frequency: Varies

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

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 08/05/2016
Number of Days to Update: 52	Next Scheduled EDR Contact: 11/14/2016
	Data Release Frequency: Varies

ODI: Open Dump Inventory

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

Date of Government Version: 06/30/1985	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

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

Date of Government Version: 01/12/2009	Source: EPA, Region 9
Date Data Arrived at EDR: 05/07/2009	Telephone: 415-947-4219
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 07/20/2016
Number of Days to Update: 137	Next Scheduled EDR Contact: 10/07/2016
	Data Release Frequency: No Update Planned

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

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

Date of Government Version: 05/04/2016	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 06/03/2016	Telephone: 202-307-1000
Date Made Active in Reports: 07/13/2016	Last EDR Contact: 05/31/2016
Number of Days to Update: 40	Next Scheduled EDR Contact: 06/13/2016
	Data Release Frequency: No Update Planned

CDL: Environmental Emergency Response System

Incidents reported to the Department of Natural Resources where drug lab materials were involved.

Date of Government Version: 06/14/2016	Source: Department of Natural Resources
Date Data Arrived at EDR: 06/24/2016	Telephone: 573-751-3443
Date Made Active in Reports: 08/05/2016	Last EDR Contact: 06/24/2016
Number of Days to Update: 42	Next Scheduled EDR Contact: 09/26/2016
	Data Release Frequency: Varies

DEL SHWS: Registry Sites Withdrawn or Deleted

A list of sites that were removed from the Registry or for which Registry action was suspended due to cleanup.

Date of Government Version: 11/10/2015	Source: Department of Natural Resources
Date Data Arrived at EDR: 01/05/2016	Telephone: 573-522-3710
Date Made Active in Reports: 02/19/2016	Last EDR Contact: 06/24/2016
Number of Days to Update: 45	Next Scheduled EDR Contact: 09/12/2016
	Data Release Frequency: Annually

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 05/04/2016	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 06/03/2016	Telephone: 202-307-1000
Date Made Active in Reports: 07/13/2016	Last EDR Contact: 05/31/2016
Number of Days to Update: 40	Next Scheduled EDR Contact: 09/12/2016
	Data Release Frequency: Quarterly

Local Land Records

LIENS 2: CERCLA Lien Information

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/18/2014
Date Data Arrived at EDR: 03/18/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 37

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 07/29/2016
Next Scheduled EDR Contact: 11/07/2016
Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

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

Date of Government Version: 06/24/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/02/2015
Number of Days to Update: 68

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 06/28/2016
Next Scheduled EDR Contact: 10/10/2016
Data Release Frequency: Annually

SPILLS: Environmental Response Tracking Database

Releases of hazardous substances reported to the department's Environmental Emergency Response (EER) section.

Date of Government Version: 06/14/2016
Date Data Arrived at EDR: 06/24/2016
Date Made Active in Reports: 08/05/2016
Number of Days to Update: 42

Source: Department of Natural Resources
Telephone: 573-526-3349
Last EDR Contact: 06/24/2016
Next Scheduled EDR Contact: 09/26/2016
Data Release Frequency: Semi-Annually

SPILLS 90: SPILLS90 data from FirstSearch

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

Date of Government Version: 06/27/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

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

Other Ascertainable Records

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

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

Date of Government Version: 12/09/2015
Date Data Arrived at EDR: 03/02/2016
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 34

Source: Environmental Protection Agency
Telephone: 913-551-7003
Last EDR Contact: 06/30/2016
Next Scheduled EDR Contact: 10/17/2016
Data Release Frequency: Varies

FUDS: Formerly Used Defense Sites

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

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

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 06/10/2016
Next Scheduled EDR Contact: 09/19/2016
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DOD: Department of Defense Sites

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

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 07/15/2016
Number of Days to Update: 62	Next Scheduled EDR Contact: 10/24/2016
	Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

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

Date of Government Version: 12/31/2005	Source: U.S. Geological Survey
Date Data Arrived at EDR: 02/06/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 07/15/2016
Number of Days to Update: 339	Next Scheduled EDR Contact: 10/24/2016
	Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

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

Date of Government Version: 03/07/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/09/2011	Telephone: 615-532-8599
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 08/15/2016
Number of Days to Update: 54	Next Scheduled EDR Contact: 11/28/2016
	Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

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

Date of Government Version: 09/01/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/03/2015	Telephone: 202-566-1917
Date Made Active in Reports: 11/03/2015	Last EDR Contact: 05/18/2016
Number of Days to Update: 61	Next Scheduled EDR Contact: 08/29/2016
	Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

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

Date of Government Version: 08/30/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/21/2014	Telephone: 617-520-3000
Date Made Active in Reports: 06/17/2014	Last EDR Contact: 08/08/2016
Number of Days to Update: 88	Next Scheduled EDR Contact: 11/21/2016
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

2020 COR ACTION: 2020 Corrective Action Program List

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

Date of Government Version: 04/22/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/03/2015	Telephone: 703-308-4044
Date Made Active in Reports: 03/09/2015	Last EDR Contact: 05/12/2016
Number of Days to Update: 6	Next Scheduled EDR Contact: 08/22/2016
	Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2012	Source: EPA
Date Data Arrived at EDR: 01/15/2015	Telephone: 202-260-5521
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 06/24/2016
Number of Days to Update: 14	Next Scheduled EDR Contact: 10/03/2016
	Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

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

Date of Government Version: 12/31/2014	Source: EPA
Date Data Arrived at EDR: 11/24/2015	Telephone: 202-566-0250
Date Made Active in Reports: 04/05/2016	Last EDR Contact: 05/24/2016
Number of Days to Update: 133	Next Scheduled EDR Contact: 09/05/2016
	Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

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

Date of Government Version: 12/31/2009	Source: EPA
Date Data Arrived at EDR: 12/10/2010	Telephone: 202-564-4203
Date Made Active in Reports: 02/25/2011	Last EDR Contact: 07/25/2016
Number of Days to Update: 77	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Annually

ROD: Records Of Decision

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

Date of Government Version: 11/25/2013	Source: EPA
Date Data Arrived at EDR: 12/12/2013	Telephone: 703-416-0223
Date Made Active in Reports: 02/24/2014	Last EDR Contact: 06/07/2016
Number of Days to Update: 74	Next Scheduled EDR Contact: 09/19/2016
	Data Release Frequency: Annually

RMP: Risk Management Plans

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 08/01/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/26/2015	Telephone: 202-564-8600
Date Made Active in Reports: 11/03/2015	Last EDR Contact: 07/25/2016
Number of Days to Update: 69	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

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

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

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 10/17/2014	Telephone: 202-564-6023
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 08/12/2016
Number of Days to Update: 3	Next Scheduled EDR Contact: 11/21/2016
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

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

Date of Government Version: 07/01/2014	Source: EPA
Date Data Arrived at EDR: 10/15/2014	Telephone: 202-566-0500
Date Made Active in Reports: 11/17/2014	Last EDR Contact: 07/15/2016
Number of Days to Update: 33	Next Scheduled EDR Contact: 10/24/2016
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

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

Date of Government Version: 01/23/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/06/2015	Telephone: 202-564-5088
Date Made Active in Reports: 03/09/2015	Last EDR Contact: 07/07/2016
Number of Days to Update: 31	Next Scheduled EDR Contact: 10/24/2016
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 05/20/2016
Number of Days to Update: 25	Next Scheduled EDR Contact: 09/05/2016
	Data Release Frequency: Quarterly

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

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 05/20/2016
Number of Days to Update: 25	Next Scheduled EDR Contact: 09/05/2016
	Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System

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

Date of Government Version: 03/07/2016	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 03/18/2016	Telephone: 301-415-7169
Date Made Active in Reports: 04/15/2016	Last EDR Contact: 09/05/2016
Number of Days to Update: 28	Next Scheduled EDR Contact: 11/21/2016
	Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

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

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 06/09/2016
Number of Days to Update: 76	Next Scheduled EDR Contact: 09/19/2016
	Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

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

Date of Government Version: 07/01/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2014	Telephone: N/A
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 06/10/2016
Number of Days to Update: 40	Next Scheduled EDR Contact: 09/19/2016
	Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

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

Date of Government Version: 02/01/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/19/2011	Telephone: 202-566-0517
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 07/29/2016
Number of Days to Update: 83	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Varies

RADINFO: Radiation Information Database

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/07/2015
Date Data Arrived at EDR: 07/09/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 69

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 07/07/2016
Next Scheduled EDR Contact: 10/17/2016
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

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

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

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

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

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

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

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

DOT OPS: Incident and Accident Data

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

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

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 08/02/2016
Next Scheduled EDR Contact: 11/14/2016
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

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

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

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 07/15/2016
Next Scheduled EDR Contact: 10/10/2016
Data Release Frequency: Varies

BRS: Biennial Reporting System

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

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

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 05/27/2016
Next Scheduled EDR Contact: 09/05/2016
Data Release Frequency: Biennially

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN RESERV: Indian Reservations

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

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 12/08/2006	Telephone: 202-208-3710
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 07/15/2016
Number of Days to Update: 34	Next Scheduled EDR Contact: 10/24/2016
	Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

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

Date of Government Version: 03/11/2016	Source: Department of Energy
Date Data Arrived at EDR: 03/15/2016	Telephone: 202-586-3559
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 07/26/2016
Number of Days to Update: 80	Next Scheduled EDR Contact: 11/21/2016
	Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

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

Date of Government Version: 09/14/2010	Source: Department of Energy
Date Data Arrived at EDR: 10/07/2011	Telephone: 505-845-0011
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 05/23/2016
Number of Days to Update: 146	Next Scheduled EDR Contact: 09/05/2016
	Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 11/25/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/26/2014	Telephone: 703-603-8787
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 07/08/2016
Number of Days to Update: 64	Next Scheduled EDR Contact: 10/17/2016
	Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

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

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

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

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/22/2016
Next Scheduled EDR Contact: 10/10/2016
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

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

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/22/2016
Next Scheduled EDR Contact: 10/10/2016
Data Release Frequency: Annually

US MINES: Mines Master Index File

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

Date of Government Version: 02/09/2016
Date Data Arrived at EDR: 03/02/2016
Date Made Active in Reports: 04/15/2016
Number of Days to Update: 44

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 06/02/2016
Next Scheduled EDR Contact: 09/12/2016
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

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

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

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 06/03/2016
Next Scheduled EDR Contact: 09/12/2016
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

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

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 06/03/2016
Next Scheduled EDR Contact: 09/12/2016
Data Release Frequency: Varies

FINDS: Facility Index System/Facility Registry System

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

Date of Government Version: 07/20/2015
Date Data Arrived at EDR: 09/09/2015
Date Made Active in Reports: 11/03/2015
Number of Days to Update: 55

Source: EPA
Telephone: (913) 551-7003
Last EDR Contact: 06/08/2016
Next Scheduled EDR Contact: 09/19/2016
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 10/25/2015	Source: Department of Defense
Date Data Arrived at EDR: 01/29/2016	Telephone: 571-373-0407
Date Made Active in Reports: 04/05/2016	Last EDR Contact: 06/20/2016
Number of Days to Update: 67	Next Scheduled EDR Contact: 10/03/2016
	Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 03/01/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/03/2016	Telephone: 202-564-0527
Date Made Active in Reports: 04/05/2016	Last EDR Contact: 05/25/2016
Number of Days to Update: 33	Next Scheduled EDR Contact: 09/12/2016
	Data Release Frequency: Varies

AIRS: Permit Facility Listing

A listing of Air Pollution Control Program permits.

Date of Government Version: 07/07/2016	Source: Department of Natural Resources
Date Data Arrived at EDR: 07/11/2016	Telephone: 573-751-4817
Date Made Active in Reports: 08/05/2016	Last EDR Contact: 06/13/2016
Number of Days to Update: 25	Next Scheduled EDR Contact: 09/26/2016
	Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Sites

A listing of power plants with coal ash ponds.

Date of Government Version: 01/14/2016	Source: Department of Natural Resources
Date Data Arrived at EDR: 04/08/2016	Telephone: 573-526-1825
Date Made Active in Reports: 05/10/2016	Last EDR Contact: 07/01/2016
Number of Days to Update: 32	Next Scheduled EDR Contact: 10/17/2016
	Data Release Frequency: Varies

DRYCLEANERS: Drycleaners in Missouri Listing

A listing of drycleaner facilities that are potentially eligible for reimbursement of department approved cleanup costs under the Drycleaning Environmental Response Trust Fund.

Date of Government Version: 05/11/2016	Source: Department of Natural Resources
Date Data Arrived at EDR: 05/19/2016	Telephone: 573-526-8913
Date Made Active in Reports: 08/05/2016	Last EDR Contact: 06/16/2016
Number of Days to Update: 78	Next Scheduled EDR Contact: 09/26/2016
	Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information.

Date of Government Version: 06/07/2016	Source: Department of Natural Resources
Date Data Arrived at EDR: 06/14/2016	Telephone: 573-751-3553
Date Made Active in Reports: 08/05/2016	Last EDR Contact: 06/06/2016
Number of Days to Update: 52	Next Scheduled EDR Contact: 09/19/2016
	Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

Financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/06/2016
Date Data Arrived at EDR: 06/08/2016
Date Made Active in Reports: 08/05/2016
Number of Days to Update: 58

Source: Department of Natural Resources
Telephone: 573-751-5401
Last EDR Contact: 06/08/2016
Next Scheduled EDR Contact: 09/19/2016
Data Release Frequency: Varies

MINES: Industrial Mineral Mines Database

This data set contains names, locations and additional data for active Industrial Mineral Mines permitted with the Missouri Department of Natural Resources, Division of Environmental Quality, Land Reclamation Program. Industrial Mineral Mines permitted are rock quarries, clay pits, sand and gravel pits, or in-stream sand and gravel operations.

Date of Government Version: 09/12/2014
Date Data Arrived at EDR: 10/23/2014
Date Made Active in Reports: 12/01/2014
Number of Days to Update: 39

Source: Department of Natural Resources
Telephone: 573-751-4041
Last EDR Contact: 07/22/2016
Next Scheduled EDR Contact: 10/31/2016
Data Release Frequency: Varies

NPDES: Permitted Facility Listing

A listing of permitted facilities from the Water Pollution Branch.

Date of Government Version: 07/08/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 08/05/2016
Number of Days to Update: 24

Source: Department of Natural Resources
Telephone: 573-751-7023
Last EDR Contact: 07/05/2016
Next Scheduled EDR Contact: 10/17/2016
Data Release Frequency: Varies

RRC: Certified Hazardous Waste Resource Recovery Facilities

Facilities that take hazardous waste material, either from on-site or off-site, and make it re-usable.

Date of Government Version: 06/13/2016
Date Data Arrived at EDR: 06/16/2016
Date Made Active in Reports: 08/05/2016
Number of Days to Update: 50

Source: Department of Natural Resources
Telephone: 573-751-3176
Last EDR Contact: 06/13/2016
Next Scheduled EDR Contact: 06/27/2016
Data Release Frequency: Semi-Annually

SMARS: Site Management and Reporting System

SMARS currently houses information for Superfund, Federal Facility, Brownfields Voluntary Cleanup Program and Missouri's other state response programs.

Date of Government Version: 04/12/2016
Date Data Arrived at EDR: 05/04/2016
Date Made Active in Reports: 05/20/2016
Number of Days to Update: 16

Source: Department of Natural Resources
Telephone: 573-751-3043
Last EDR Contact: 08/03/2016
Next Scheduled EDR Contact: 11/14/2016
Data Release Frequency: Varies

UIC: Underground Injection Wells Database

A listing of underground injection well locations. The UIC Program is responsible for regulating the construction, operation, permitting, and closure of injection wells that place fluids underground for storage or disposal.

Date of Government Version: 05/25/2016
Date Data Arrived at EDR: 05/27/2016
Date Made Active in Reports: 08/05/2016
Number of Days to Update: 70

Source: Department of Natural Resources
Telephone: 573-368-2183
Last EDR Contact: 05/27/2016
Next Scheduled EDR Contact: 09/05/2016
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

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

Date of Government Version: 09/20/2015
Date Data Arrived at EDR: 09/23/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 103

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 06/22/2016
Next Scheduled EDR Contact: 10/03/2016
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FUELS PROGRAM: EPA Fuels Program Registered Listing

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

Date of Government Version: 05/24/2016	Source: EPA
Date Data Arrived at EDR: 05/25/2016	Telephone: 800-385-6164
Date Made Active in Reports: 07/13/2016	Last EDR Contact: 05/25/2016
Number of Days to Update: 49	Next Scheduled EDR Contact: 09/05/2016
	Data Release Frequency: Quarterly

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

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

Date of Government Version: N/A	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historic Gas Stations

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

Date of Government Version: N/A	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historic Dry Cleaners

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

Date of Government Version: N/A	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Natural Resources in Missouri.

Date of Government Version: N/A	Source: Department of Natural Resources
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 01/03/2014	Last EDR Contact: 06/01/2012
Number of Days to Update: 186	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

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

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

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

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

Date of Government Version: N/A	Source: Department of Natural Resources
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 01/03/2014	Last EDR Contact: 06/01/2012
Number of Days to Update: 186	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

OTHER DATABASE(S)

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

CT MANIFEST: Hazardous Waste Manifest Data

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

Date of Government Version: 07/30/2013	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 08/19/2013	Telephone: 860-424-3375
Date Made Active in Reports: 10/03/2013	Last EDR Contact: 08/10/2016
Number of Days to Update: 45	Next Scheduled EDR Contact: 11/28/2016
	Data Release Frequency: No Update Planned

NY MANIFEST: Facility and Manifest Data

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/01/2016
Date Data Arrived at EDR: 05/06/2016
Date Made Active in Reports: 06/17/2016
Number of Days to Update: 42

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 08/03/2016
Next Scheduled EDR Contact: 11/14/2016
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

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

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/18/2016
Next Scheduled EDR Contact: 10/31/2016
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

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

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/01/2016
Next Scheduled EDR Contact: 09/05/2016
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 04/14/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 50

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/13/2016
Next Scheduled EDR Contact: 09/26/2016
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: PennWell Corporation

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

Electric Power Transmission Line Data

Source: PennWell Corporation

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

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

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

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

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

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

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

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

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

Daycare Centers: Licensed Child Care Facilities

Source: Department of Health & Senior Services

Telephone: 573-751-2450

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

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

State Wetlands Data: National Wetland Inventory of Missouri

Source: Department of Natural Resources

Telephone: 573-751-5110

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

BOLIVAR BUSINESS PARK
1700 S. WOMMACK AVE.
BOLIVAR, MO 65613

TARGET PROPERTY COORDINATES

Latitude (North):	37.600958 - 37° 36' 3.45"
Longitude (West):	93.441053 - 93° 26' 27.79"
Universal Transverse Mercator:	Zone 15
UTM X (Meters):	461066.8
UTM Y (Meters):	4161428.8
Elevation:	1129 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	6726413 BOLIVAR, MO
Version Date:	2015

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

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

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

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

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

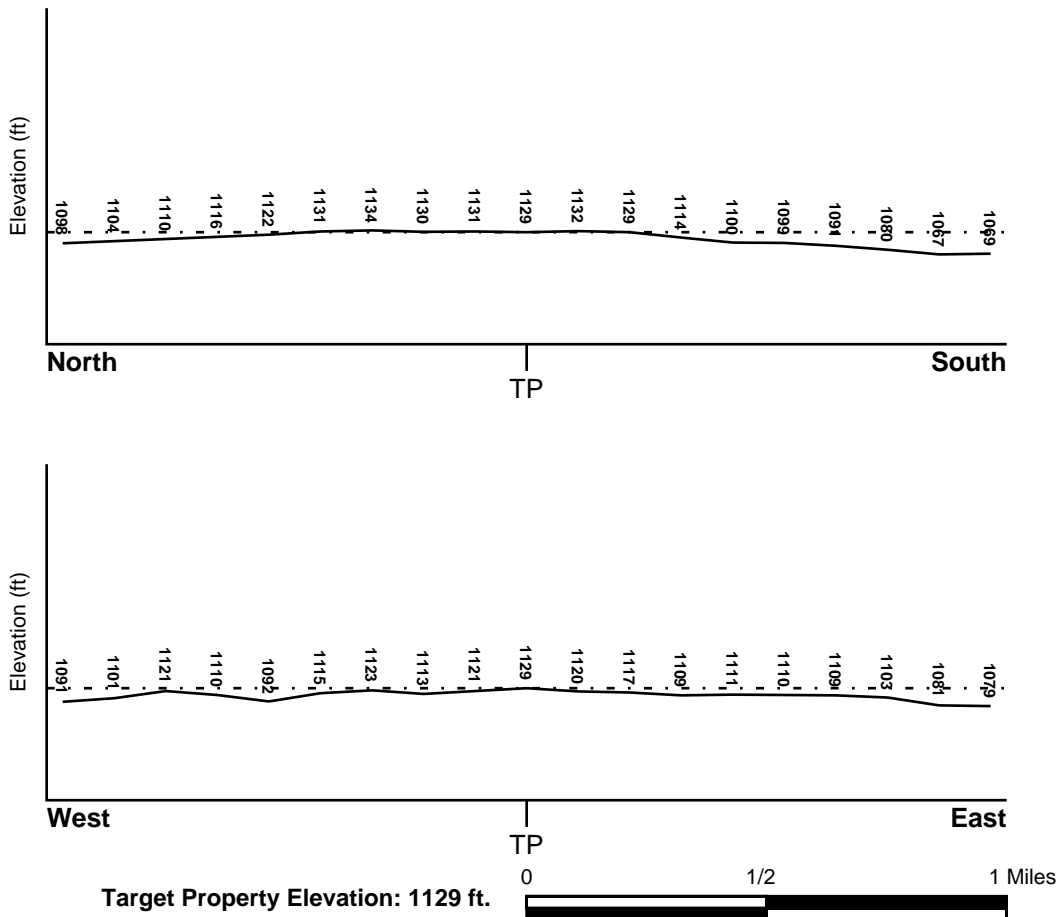
TOPOGRAPHIC INFORMATION

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

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SSE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

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

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

FEMA FLOOD ZONE

<u>Target Property County</u> POLK, MO	<u>FEMA Flood Electronic Data</u> YES - refer to the Overview Map and Detail Map
Flood Plain Panel at Target Property:	29167C - FEMA DFIRM Flood data
Additional Panels in search area:	Not Reported

NATIONAL WETLAND INVENTORY

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

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

AQUIFLOW®

Search Radius: 1.000 Mile.

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

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

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

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

ROCK STRATIGRAPHIC UNIT

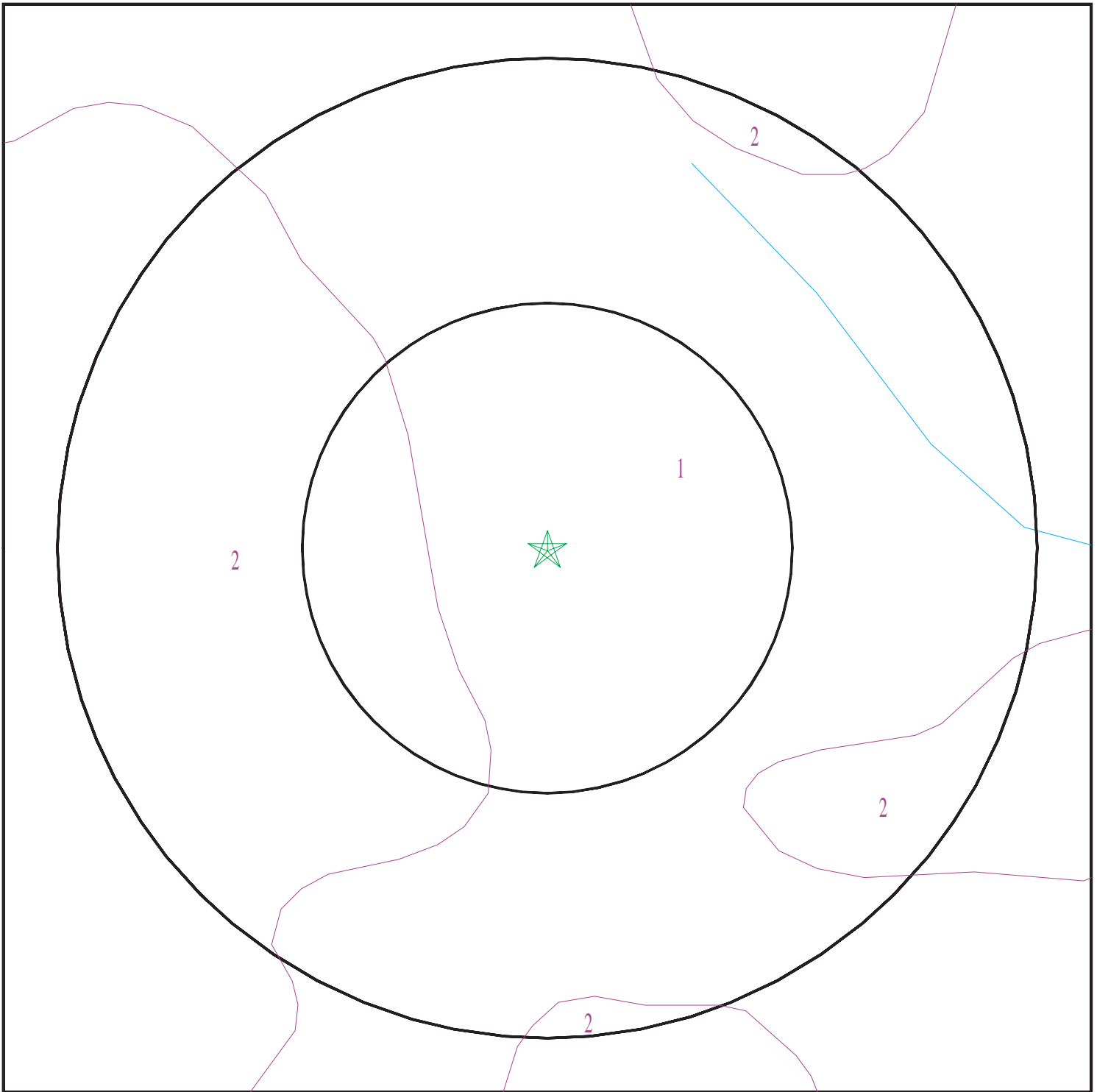
Era:	Paleozoic
System:	Ordovician
Series:	Lower Ordovician (Canadian)
Code:	O1b (<i>decoded above as Era, System & Series</i>)

GEOLOGIC AGE IDENTIFICATION

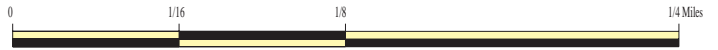
Category: Stratified Sequence

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

SSURGO SOIL MAP - 4703281.2s



- ★ Target Property
- SSURGO Soil
- Water



SITE NAME: Bolivar Business Park
ADDRESS: 1700 S. Wommack Ave.
Bolivar MO 65613
LAT/LONG: 37.600958 / 93.441053

CLIENT: Terracon
CONTACT: Kameron Long
INQUIRY #: 4703281.2s
DATE: August 17, 2016 12:27 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

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

Soil Map ID: 1

Soil Component Name: Crelton

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 69 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	silt loam	Not reported	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 7.3 Min: 4.5
2	16 inches	24 inches	silty clay loam	Not reported	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 4 Min: 1.4	Max: 6.5 Min: 4.5
3	24 inches	42 inches	gravelly silt loam	Not reported	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.42 Min: 0.01	Max: 5.5 Min: 3.6
4	42 inches	51 inches	extremely cobbly silt loam	Not reported	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel	Max: 0.42 Min: 0.01	Max: 6 Min: 3.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
5	51 inches	59 inches	clay	Not reported	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 14 Min: 4	Max: 6.5 Min: 4.5
6	9 inches	16 inches	silty clay loam	Not reported	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 6.5 Min: 4.5

Soil Map ID: 2

Soil Component Name: Hoberg

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 61 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	silt loam	Not reported	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 7.3 Min: 5.1
2	7 inches	22 inches	silt loam	Not reported	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 6.5 Min: 5.1

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
3	22 inches	46 inches	gravelly silt loam	Not reported	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 6 Min: 3.6
4	46 inches	72 inches	very gravelly clay	Not reported	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 4 Min: 1.4	Max: 6 Min: 3.6

LOCAL / REGIONAL WATER AGENCY RECORDS

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

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 0.001 miles
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A2	USGS40000690086	1/8 - 1/4 Mile SSW
3	USGS40000690098	1/4 - 1/2 Mile ENE
B5	USGS40000690113	1/2 - 1 Mile NE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

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

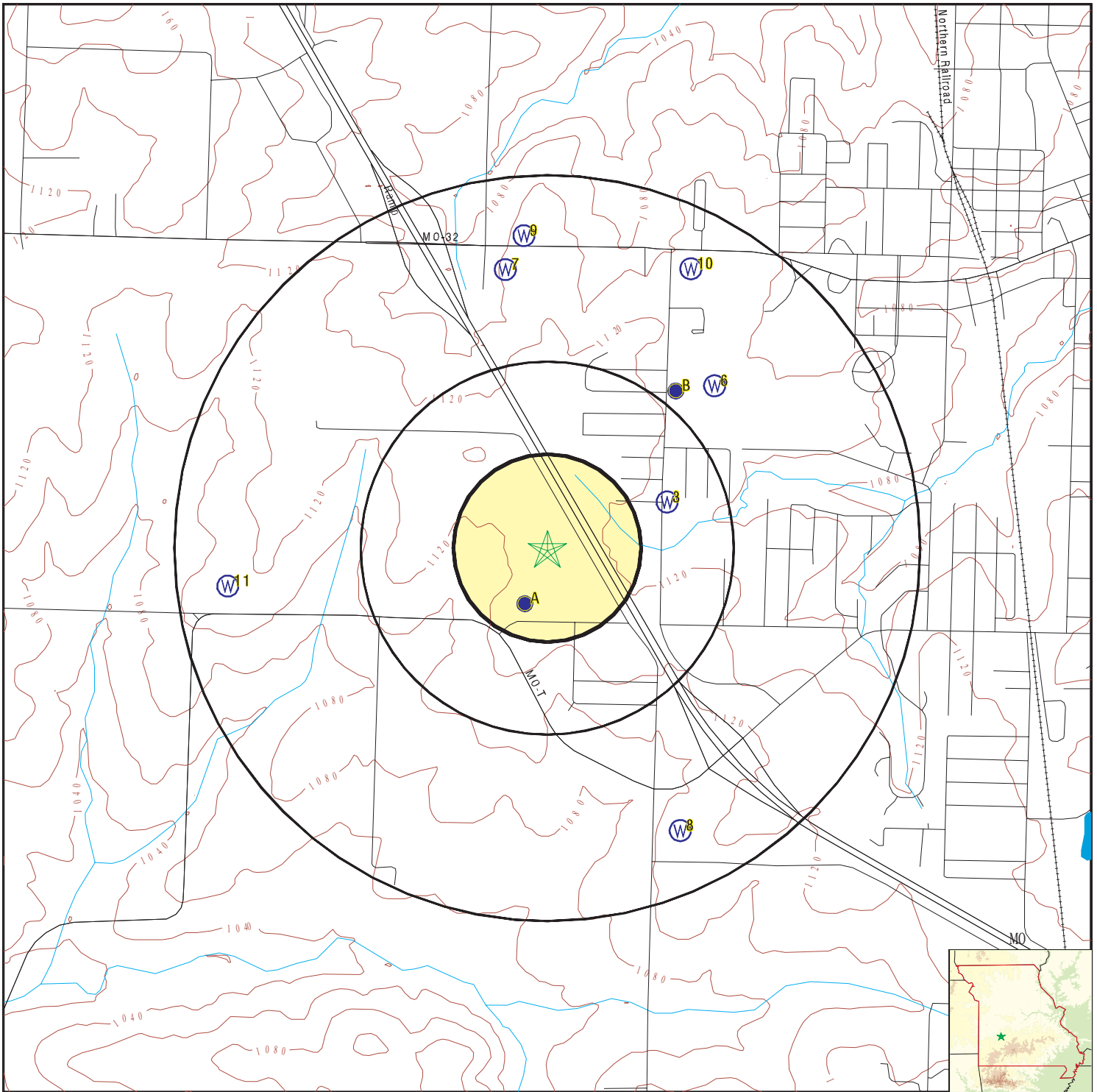
Note: PWS System location is not always the same as well location.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A1	MO6000000002517	1/8 - 1/4 Mile SSW
B4	MO6000000002532	1/2 - 1 Mile NE
6	MOLOG1000007801	1/2 - 1 Mile NE
7	MOLOG1000007844	1/2 - 1 Mile North
8	MOLOG1000007656	1/2 - 1 Mile SSE
9	MO6000000002543	1/2 - 1 Mile North
10	MOLOG1000007845	1/2 - 1 Mile NNE
11	MOLOG1000007736	1/2 - 1 Mile West

PHYSICAL SETTING SOURCE MAP - 4703281.2s



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

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

SITE NAME: Bolivar Business Park
 ADDRESS: 1700 S. Wommack Ave.
 Bolivar MO 65613
 LAT/LONG: 37.600958 / 93.441053

CLIENT: Terracon
 CONTACT: Kameron Long
 INQUIRY #: 4703281.2s
 DATE: August 17, 2016 12:26 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

A1
SSW
1/8 - 1/4 Mile
Higher

MO WELLS MO600000002517

Objectid:	3473	Uniqueid:	103473
Logid:	Not Reported	Wwimsid:	00239726
Pwssname:	Bolivar	Pwssid:	5010085
Pwssidext:	5010085106	Ipws:	MO5010085
Ipwsext:	MO5010085106	Wellnum:	6
Localname:	Industrial Tract	Wellid:	14716
Factype:	City	Fed type:	C
Status:	Active		
Ddlat:	37.5991		
Ddlong:	-93.44188		
Mapname:	Bolivar	Fips:	29167
County:	Polk	Mdnrreg:	Southwest
Mdnrnum:	5	Drilldate:	2000
Aban:	0	Plug:	0
Material:	Consolidated		
Form cd:	Gasconade		
Form td:	Elvins		
Totdepth:	1195	Grndelev:	1129
Topseal:	Pressure Grout	Botseal:	Pressure Grout
Casedepth:	453	Casesize:	14
Casetype:	Steel		
Topcaseelv:	0		
Caseheight:	0	Outcasedep:	40
Outcasesiz:	20	Scrnlengh:	-9999
Scrnsiz:	-9999	Staticleve:	190
Yield:	600	Head:	720
Drawdown:	0	Pumptestda:	0
Pumptype:	Vertical Turbine	Pumpmanuf:	Not Reported
Pumpdepth:	480	Pumpcapaci:	600
Meter:	Y	Stdbypr:	Not Reported
Voc:	N	Nitrate:	N
Chlor:	Not Reported	Filter:	Not Reported
Gwudisw:	Not Reported	Stappr:	Not Reported
Surfdrain:	Not Reported	Entry:	Not Reported
Method:	DOQQ	Accuracy:	33
Locstatus:	Verified	Verloc:	N
Lastupdate:	2008/02/25	Tweyrswa:	1130
Welldist:	1061.90002441406	Site id:	MO600000002517

A2
SSW
1/8 - 1/4 Mile
Lower

FED USGS USGS40000690086

Org. Identifier:	USGS-MO		
Formal name:	USGS Missouri Water Science Center		
Monloc Identifier:	USGS-373555093263301		
Monloc name:	T33N R23W 10CDC		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	10290106	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	37.5985
Longitude:	-93.4424167	Sourcemap scale:	24000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	1129
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NAVD88	Countrycode:	US
Aquifername:	Ozark Plateaus aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	2000	Welldepth:	1195
Welldepth units:	ft	Wellholedepth:	1195
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

3
ENE
1/4 - 1/2 Mile
Lower

FED USGS

USGS40000690098

Org. Identifier:	USGS-MO		
Formal name:	USGS Missouri Water Science Center		
Monloc Identifier:	USGS-373610093260701		
Monloc name:	T33N R23W 10DAC		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	10290107	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	37.60275
Longitude:	-93.4351944	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	1120
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NAVD88	Countrycode:	US
Aquifername:	Ozark Plateaus aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	1983	Welldepth:	1200
Welldepth units:	ft	Wellholedepth:	1200
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

B4
NE
1/2 - 1 Mile
Lower

MO WELLS

MO600000002532

Objectid:	578	Uniqueid:	100558
Logid:	028605	Wwimsid:	Not Reported
Pwssname:	Bolivar	Pwssid:	5010085
Pwssidext:	5010085105	Ipws:	MO5010085
Ipwsxt:	MO5010085105	Wellnum:	5
Localname:	Airport	Wellid:	14715
Factype:	City	Fed type:	C
Status:	Active		
Ddlat:	37.60689		
Ddlong:	-93.43489		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Mapname:	Bolivar	Fips:	29167
County:	Polk	Mdnrreg:	Southwest
Mdnrnum:	5	Drilldate:	1983
Aban:	0	Plug:	0
Material:	Consolidated		
Form cd:	Gasconade		
Form td:	Elvins		
Totdepth:	1200	Grndelev:	0
Topseal:	Cement Grout	Botseal:	Cement Grout
Casedepth:	425	Casesize:	12
Casetype:	Steel		
Topcaseelv:	0		
Caseheight:	0	Outcasedep:	0
Outcasesiz:	0	Scrnlengh:	-9999
Scrnsize:	-9999	Staticleve:	135
Yield:	625	Head:	106
Drawdown:	1001	Pumptestda:	1983
Pumptype:	Vertical Turbine	Pumpmanuf:	Layne
Pumpdepth:	300	Pumpcapaci:	750
Meter:	Y	Stdbypr:	N
Voc:	N	Nitrate:	N
Chlor:	Y	Filter:	N
Gwudisw:	N	Stappr:	N
Surfdrain:	Satisfactory	Entry:	Y
Method:	DOQQ	Accuracy:	33
Locstatus:	Verified	Verloc:	N
Lastupdate:	2001/06/08	Tweyrswa:	1130
Welldist:	1061.90002441406	Site id:	MO6000000002532

**B5
NE
1/2 - 1 Mile
Lower**

FED USGS USGS40000690113

Org. Identifier:	USGS-MO		
Formal name:	USGS Missouri Water Science Center		
Monloc Identifier:	USGS-373626093260401		
Monloc name:	T33N R23W 10ADB1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	10290107	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	37.6072617
Longitude:	-93.4346424	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refs:	NAD83	Vert measure val:	1115
Vert measure units:	feet	Vertacc measure val:	05
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refs:	NGVD29	Countrycode:	US
Aquifername:	Ozark Plateaus aquifer system		
Formation type:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	1200
Construction date:	19830000	Wellholedepth:	1200
Welldepth units:	ft		
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

6
NE
1/2 - 1 Mile
Lower

MO WELLS MOLOG1000007801

Id:	028605	Located:	Not Reported
Notenough:	Not Reported	Scale:	100k
Locator:	VBProgram	Stname:	MISSOURI
Stabbrev:	MO	County:	POLK
Utm x:	461792		
Utm y:	4162126		
Latitude:	37.60727		
Longitude:	-93.43287		
Qtr3:	C	Qtr2:	SE
Qtr1:	NE		
Section:	10		
Tnsp:	33		
Tnspdir:	Not Reported		
Rng:	23		
Rngdir:	W		
Plssx:	461192		
Plssy:	4161925		
Location p:	285		
Elev:	1118		
Idnum:	28605		
Swl:	0		
Quadrangle:	BOLIVAR	Site id:	MOLOG1000007801

Header Information:

Id:	028605	Well type:	Community Public Well
Agencyname:	GEOLOGICAL SURVEY (DGLS)	County:	POLK
Fips:	167	Stname:	MISSOURI
Stabbrev:	MO	Qtr3:	C
Qtr2:	SE	Qtr1:	NE
Section:	10	Tnsp:	33
Tnspdir:	N	Rng:	23
Rngdir:	W		
Latitude:	37.60689		
Longitude:	-93.43489		
Utm x:	461792		
Utm y:	4162126		
Quadmap na:	BOLIVAR	Ohio code:	37093E4
Llmeas:	D	Scale:	100k
Locator:	VBProgram	Typelog1:	S
Typelog2:	Not Reported	Typelog3:	Not Reported
Ownerind:	1	Owner:	City of Bolivar Well #5
Leasenam:	Not Reported	Driller:	Layne-Western
Drldate:	1983/11/03	Permit:	Not Reported
Logdate:	1984/03/23	Logger:	Bohm, Rex

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Elev:	1118	Prodyld:	1001
Elevbase:	S		
Gpmcfs:	G		
Depthbed:	20		
Sampsav:	1	Swla:	135
Swlb:	Not Reported		
Water at:	Not Reported		
Totdepth:	1200	Formation :	COTTER DOLOMITE
Formation1:	DERBY-DOERUN DOLOMITE		
Intcrdtp:	0		
Intcrdbt:	0		
Drawdown:	100	Aquclass:	Not Reported
Confind:	0	Reldate:	Not Reported
Probind1:	Not Reported	Probind2:	Not Reported
Probind3:	Not Reported	Additional:	PUBLIC DRINKING WATER
Alagency1:	PW	Add databa:	5010085
Addition 1:	Not Reported	Add data 1:	Not Reported
Alnum2:	Not Reported	Add data 2:	Not Reported
Add data 3:	Not Reported	Rmkind:	Y
Remarks:	airport well		
C total:	425	C plugind:	N
C remarks:	GROUTED WITH 375 SX OF CEMENT		

Construction Information:

Id:	028605	Well type:	Community Public Well
Agencyname:	GEOLOGICAL SURVEY (DGLS)	Datecomp:	198311
Plugind:	N	Dateplug:	Not Reported
Casemat1:	Not Reported	Casemat2:	Not Reported
Cas1dpth:	425		
Cas1diam:	13.4		
Cas2dpth:	0		
Cas2diam:	0		
Cas3dpth:	0		
Cas3diam:	0		
Cas4dpth:	0		
Cas4diam:	0		
Inout1:	O	Typgrrt1:	G
Typgrrt2:	Not Reported	Typgrrt3:	Not Reported
Mthgrout:	Not Reported	Rigtype:	Not Reported
Weltreat:	Not Reported	Rmkind:	Not Reported
Dateabnd:	Not Reported		
Plgdpt1b:	0		
Plgdpt1t:	0		
Multcase:	N		
Szcashol:	0		
Szbelcas:	12.25		
Sizscrn:	0		
Slotsize:	0		
Lenscrn:	0		
Typescrn:	Not Reported	Typedev:	0
Typepump:	Not Reported		
Pumpcap:	0		
Pumptdh:	0		
Pumpset:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Typecomp:	Not Reported	Gasprod:	Not Reported
Perfintt:	0	Remarks:	GROUTED WITH 375 SX OF CEMENT
Perfintb:	0	Formation :	UPPER GASCONADE DOLOMITE
Oilprod:	Not Reported		
TubePRES:	Not Reported		
Other data:	Not Reported		
Formation1:	DERBY-DOERUN DOLOMITE		

Strata Information:			
Id:	028605	Stratordr:	100
Fmtp:	0		
Fmbot:	20		
Formation :	RESIDUUM & TOP SOIL		
Primlith:	CLAY		
Seclith:	SAND	Minlith:	Not Reported
Primmin:	Not Reported		
Primocc:	0		
Secmin:	Not Reported		
Secocc:	0		
Minmin:	Not Reported		
Minrocc:	0		
Rmk20:	Not Reported		

Strata Information:			
Id:	028605	Stratordr:	39000
Fmtp:	20		
Fmbot:	735		
Formation :	ORDOVICIAN SYSTEM		
Primlith:	Not Reported		
Seclith:	Not Reported	Minlith:	Not Reported
Primmin:	Not Reported		
Primocc:	0		
Secmin:	Not Reported		
Secocc:	0		
Minmin:	Not Reported		
Minrocc:	0		
Rmk20:	Not Reported		

Strata Information:			
Id:	028605	Stratordr:	44800
Fmtp:	20		
Fmbot:	735		
Formation :	CANADIAN (IBEXIAN) SERIES		
Primlith:	Not Reported		
Seclith:	Not Reported	Minlith:	Not Reported
Primmin:	Not Reported		
Primocc:	0		
Secmin:	Not Reported		
Secocc:	0		
Minmin:	Not Reported		
Minrocc:	0		
Rmk20:	Not Reported		

Strata Information:			
Id:	028605	Stratordr:	45500
Fmtp:	20		
Fmbot:	95		
Formation :	COTTER DOLOMITE		
Primlith:	DOLOMITE		
Seclith:	CHERT	Minlith:	SAND
Primmin:	Not Reported		
Primocc:	0		
Secmin:	Not Reported		
Secocc:	0		
Minmin:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Minrocc: 0
Rmk20: Not Reported

Strata Information:

Id:	028605	Stratordr:	45800
Fmtop:	95		
Fmbot:	270		
Formation :	JEFFERSON CITY DOLOMITE		
Primlith:	DOLOMITE		
Seclith:	CHERT	Minlith:	SAND
Primmin:	Not Reported		
Primocc:	0		
Secmin:	Not Reported		
Secocc:	0		
Minrmin:	Not Reported		
Minrocc:	0		
Rmk20:	Not Reported		

Strata Information:

Id:	028605	Stratordr:	46000
Fmtop:	270		
Fmbot:	415		
Formation :	ROUBIDOUX FORMATION		
Primlith:	DOLOMITE		
Seclith:	CHERT	Minlith:	SANDSTONE
Primmin:	Not Reported		
Primocc:	0		
Secmin:	Not Reported		
Secocc:	0		
Minrmin:	Not Reported		
Minrocc:	0		
Rmk20:	Not Reported		

Strata Information:

Id:	028605	Stratordr:	46200
Fmtop:	415		
Fmbot:	735		
Formation :	GASCONADE DOLOMITE		
Primlith:	DOLOMITE		
Seclith:	CHERT	Minlith:	SANDSTONE
Primmin:	Not Reported		
Primocc:	0		
Secmin:	Not Reported		
Secocc:	0		
Minrmin:	Not Reported		
Minrocc:	0		
Rmk20:	Not Reported		

Strata Information:

Id:	028605	Stratordr:	46300
Fmtop:	415		
Fmbot:	445		
Formation :	UPPER GASCONADE DOLOMITE		
Primlith:	DOLOMITE		
Seclith:	Not Reported	Minlith:	SAND
Primmin:	Not Reported		
Primocc:	0		
Secmin:	Not Reported		
Secocc:	0		
Minrmin:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Minrocc: 0
Rmk20: Not Reported

Strata Information:

Id:	028605	Stratordr:	46300
Fmtp:	415		
Fmbot:	445		
Formation :	"RICHLAND DOLOMITE MEMBER"		
Primlith:	DOLOMITE		
Seclith:	Not Reported	Minlith:	SAND
Primmin:	Not Reported		
Primocc:	0		
Secmin:	Not Reported		
Secocc:	0		
Minrmin:	Not Reported		
Minrocc:	0		
Rmk20:	Not Reported		

Strata Information:

Id:	028605	Stratordr:	46400
Fmtp:	445		
Fmbot:	705		
Formation :	LOWER GASCONADE DOLOMITE		
Primlith:	DOLOMITE		
Seclith:	CHERT	Minlith:	Not Reported
Primmin:	FES2		
Primocc:	3		
Secmin:	Not Reported		
Secocc:	0		
Minrmin:	Not Reported		
Minrocc:	0		
Rmk20:	Not Reported		

Strata Information:

Id:	028605	Stratordr:	46500
Fmtp:	705		
Fmbot:	735		
Formation :	GUNTER SANDSTONE MEMBER		
Primlith:	SANDSTONE		
Seclith:	DOLOMITE	Minlith:	Not Reported
Primmin:	Not Reported		
Primocc:	0		
Secmin:	Not Reported		
Secocc:	0		
Minrmin:	Not Reported		
Minrocc:	0		
Rmk20:	Not Reported		

Strata Information:

Id:	028605	Stratordr:	46500
Fmtp:	705		
Fmbot:	735		
Formation :	GUNTER SANDSTONE MEMBER		
Primlith:	SANDSTONE		
Seclith:	DOLOMITE	Minlith:	Not Reported
Primmin:	Not Reported		
Primocc:	0		
Secmin:	Not Reported		
Secocc:	0		
Minrmin:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Minrocc: 0
Rmk20: Not Reported

Strata Information:

Id:	028605	Stratordr:	46600
Fmtp:	735		
Fmbot:	1200		
Formation :	CAMBRIAN SYSTEM		
Prmlith:	Not Reported	Minlith:	Not Reported
Seclith:	Not Reported		
Primmin:	Not Reported		
Primocc:	0		
Secmin:	Not Reported		
Secocc:	0		
Minrmin:	Not Reported		
Minrocc:	0		
Rmk20:	Not Reported		

Strata Information:

Id:	028605	Stratordr:	46700
Fmtp:	735		
Fmbot:	1200		
Formation :	UPPER CAMBRIAN SERIES		
Prmlith:	Not Reported	Minlith:	Not Reported
Seclith:	Not Reported		
Primmin:	Not Reported		
Primocc:	0		
Secmin:	Not Reported		
Secocc:	0		
Minrmin:	Not Reported		
Minrocc:	0		
Rmk20:	Not Reported		

Strata Information:

Id:	028605	Stratordr:	46800
Fmtp:	735		
Fmbot:	950		
Formation :	EMINENCE DOLOMITE		
Prmlith:	DOLOMITE	Minlith:	Not Reported
Seclith:	Not Reported		
Primmin:	FES2		
Primocc:	29		
Secmin:	Not Reported		
Secocc:	0		
Minrmin:	Not Reported		
Minrocc:	0		
Rmk20:	Not Reported		

Strata Information:

Id:	028605	Stratordr:	47000
Fmtp:	950		
Fmbot:	1090		
Formation :	POTOSI DOLOMITE		
Prmlith:	DOLOMITE	Minlith:	CHERT
Seclith:	Not Reported		
Primmin:	FES2		
Primocc:	26		
Secmin:	Not Reported		
Secocc:	0		
Minrmin:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Minrocc: 0
Rmk20: Not Reported

Strata Information:

Id:	028605	Stratordr:	47200
Fmtop:	1090		
Fmbot:	1200		
Formation :	DERBY-DOERUN DOLOMITE		
Primlith:	DOLOMITE		
Seclith:	SHALE	Minlith:	Not Reported
Primmin:	FES2		
Primocc:	22		
Secmin:	Not Reported		
Secocc:	0		
Minrmin:	Not Reported		
Minrocc:	0		
Rmk20:	Not Reported		

Strata Information:

Id:	028605	Stratordr:	99900
Fmtop:	1200		
Fmbot:	0		
Formation :	TOTAL DEPTH		
Primlith:	Not Reported		
Seclith:	Not Reported	Minlith:	Not Reported
Primmin:	Not Reported		
Primocc:	0		
Secmin:	Not Reported		
Secocc:	0		
Minrmin:	Not Reported		
Minrocc:	0		
Rmk20:	Not Reported		

Remarks:

Id:	028605	Feature:	WC
Agency:	GS	Fileid:	H
Remarks:	Not Reported		

Remarks:

Id:	028605	Feature:	WC
Agency:	GS	Fileid:	C
Remarks:	37SX CEM		

7

**North
1/2 - 1 Mile
Lower**

MO WELLS MOLOG100007844

Id:	012039	Located:	Not Reported
Notenough:	Not Reported	Scale:	100k
Locator:	VBProgram	Stname:	MISSOURI
Stabbrev:	MO	County:	POLK
Utm x:	460892		
Utm y:	4162631		
Latitude:	37.61179		
Longitude:	-93.4431		
Qtr3:	NW	Qtr2:	NE
Qtr1:	NW		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Section: 10
 Tnsp: 33
 Tnspdir: Not Reported
 Rng: 23
 Rngdir: W
 Plssx: 461192
 Plssy: 4161925
 Location p: 143
 Elev: 1099
 Idnum: 12039
 Swl: 35
 Quadrangle: BOLIVAR Site id: MOLOG1000007844

Header Information:

<p> Id: 012039 Agencyname: GEOLOGICAL SURVEY (DGLS) Fips: 167 Stabbrev: MO Qtr2: NE Section: 10 Tnspdir: N Rngdir: W Latitude: 37.61179 Longitude: -93.4431 Utm x: 460892 Utm y: 4162631 Quadmap na: BOLIVAR Llmeas: D Locator: VBProgram Typelog2: S Ownerind: 0 Leasenam: Lucky 13 Drive-In Theater Drldate: 1952/05/07 Logdate: 1952/10/31 Elev: 1099 Elevbase: S Gpmcfs: G Depthbed: 20 Sampsav: 1 Swlb: Not Reported Water at: 45',95',135',160',170-75' Totdepth: 175 Formation1: JEFFERSON CITY DOLOMITE Intcrdtp: 0 Intcrdbt: 0 Drawdown: Not Reported Confind: 0 Probind1: Not Reported Probind3: Not Reported Alagency1: Not Reported Addition 1: Not Reported Alum2: Not Reported Add data 3: Not Reported Remarks: 1.9 MI W OF BOLIVAR, S SD HWY 13; YIELD 17 GPM @ 100' </p>	<p> Well type: Private Well County: POLK Stname: MISSOURI Qtr3: NW Qtr1: NW Tnsp: 33 Rng: 23 Ohio code: 37093E4 Scale: 100k Typelog1: Not Reported Typelog3: Not Reported Owner: Woody, W.O. Driller: Russell Well Co Permit: Not Reported Logger: Martin, L.C. Prodyld: 17 Swla: 35 Formation : COTTER DOLOMITE Aquclass: Not Reported Reldate: Not Reported Probind2: Not Reported Additional: Not Reported Add databa: Not Reported Add data 1: Not Reported Add data 2: Not Reported Rmkind: Y </p>
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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

C total:	30	C plugind:	N
C remarks:	Not Reported		
Construction Information:			
Id:	012039	Well type:	Private Well
Agencyname:	GEOLOGICAL SURVEY (DGLS)	Datecomp:	195205
Plugind:	N	Dateplug:	Not Reported
Casemat1:	S	Casemat2:	Not Reported
Cas1dpth:	30		
Cas1diam:	6.25		
Cas2dpth:	0		
Cas2diam:	0		
Cas3dpth:	0		
Cas3diam:	0		
Cas4dpth:	0		
Cas4diam:	0		
Inout1:	O	Typgrt1:	Not Reported
Typgrt2:	Not Reported	Typgrt3:	Not Reported
Mthgrout:	Not Reported	Rigtype:	Not Reported
Weltreat:	Not Reported	Rmkind:	Not Reported
Dateabnd:	Not Reported		
Plgdpt1b:	0		
Plgdpt1t:	0		
Multcase:	N		
Szcashol:	8.25		
Szbelcas:	5.6		
Sizscrn:	0		
Slotsize:	0		
Lenscrn:	0		
Typescrn:	Not Reported	Typedev:	Not Reported
Typepump:	Not Reported		
Pumpcap:	0		
Pumptdh:	0		
Pumpset:	0		
Typecomp:	Not Reported		
Perfintt:	0		
Perfintb:	0		
Oilprod:	Not Reported	Gasprod:	Not Reported
Tubepres:	Not Reported	Remarks:	Not Reported
Other data:	Not Reported	Formation :	COTTER DOLOMITE
Formation1:	JEFFERSON CITY DOLOMITE		
Strata Information:			
Id:	012039	Stratordr:	39000
Fmtop:	20		
Fmbot:	175		
Formation :	ORDOVICIAN SYSTEM		
Primlith:	Not Reported	Minlith:	Not Reported
Seclith:	Not Reported		
Primmin:	Not Reported		
Primocc:	0		
Secmin:	Not Reported		
Secocc:	0		
Minrmin:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Minrocc: 0
Rmk20: Not Reported

Strata Information:

Id:	012039	Stratordr:	44800
Fmtp:	20		
Fmbot:	175		
Formation :	CANADIAN (IBEXIAN) SERIES		
Prmlith:	Not Reported	Minlith:	Not Reported
Seclith:	Not Reported		
Primmin:	Not Reported		
Primocc:	0		
Secmin:	Not Reported		
Secocc:	0		
Minrmin:	Not Reported		
Minrocc:	0		
Rmk20:	Not Reported		

Strata Information:

Id:	012039	Stratordr:	45500
Fmtp:	20		
Fmbot:	55		
Formation :	COTTER DOLOMITE		
Prmlith:	DOLOMITE	Minlith:	SAND
Seclith:	CHERT		
Primmin:	Not Reported		
Primocc:	0		
Secmin:	Not Reported		
Secocc:	0		
Minrmin:	Not Reported		
Minrocc:	0		
Rmk20:	Not Reported		

Strata Information:

Id:	012039	Stratordr:	45800
Fmtp:	55		
Fmbot:	175		
Formation :	JEFFERSON CITY DOLOMITE		
Prmlith:	DOLOMITE	Minlith:	SAND
Seclith:	CHERT		
Primmin:	Not Reported		
Primocc:	0		
Secmin:	Not Reported		
Secocc:	0		
Minrmin:	Not Reported		
Minrocc:	0		
Rmk20:	Not Reported		

Strata Information:

Id:	012039	Stratordr:	99900
Fmtp:	175		
Fmbot:	0		
Formation :	TOTAL DEPTH		
Prmlith:	Not Reported	Minlith:	Not Reported
Seclith:	Not Reported		
Primmin:	Not Reported		
Primocc:	0		
Secmin:	Not Reported		
Secocc:	0		
Minrmin:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Elev:	1107	Prodyld:	11
Elevbase:	S		
Gpmcfs:	G		
Depthbed:	20		
Sampsav:	1	Swla:	64
Swlb:	Not Reported		
Water at:	80-85',145',180-190'		
Totdepth:	213	Formation :	COTTER DOLOMITE
Formation1:	JEFFERSON CITY DOLOMITE		
Intcrdtp:	0		
Intcrdbt:	0		
Drawdown:	Not Reported	Aquclass:	Not Reported
Confind:	0	Reldate:	Not Reported
Probind1:	Not Reported	Probind2:	Not Reported
Probind3:	Not Reported	Additional:	Not Reported
Alagency1:	Not Reported	Add databa:	Not Reported
Addition 1:	Not Reported	Add data 1:	Not Reported
Alnum2:	Not Reported	Add data 2:	Not Reported
Add data 3:	Not Reported	Rmkind:	Y
Remarks:	1.9 MI W, 1.7 MI S OF BOLIVAR; YIELD 10-10.5 GPM @ 145'		
C total:	70	C plugind:	N
C remarks:	Not Reported		

Construction Information:

Id:	012958	Well type:	Private Well
Agencyname:	GEOLOGICAL SURVEY (DGLS)	Datecomp:	195402
Plugind:	N	Dateplug:	Not Reported
Casemat1:	Not Reported	Casemat2:	Not Reported
Cas1dpth:	70		
Cas1diam:	5.6		
Cas2dpth:	0		
Cas2diam:	0		
Cas3dpth:	0		
Cas3diam:	0		
Cas4dpth:	0		
Cas4diam:	0		
Inout1:	O	Typgrt1:	Not Reported
Typgrt2:	Not Reported	Typgrt3:	Not Reported
Mthgrout:	Not Reported	Rigtype:	Not Reported
Weltreat:	Not Reported	Rmkind:	Not Reported
Dateabnd:	Not Reported		
Plgdpt1b:	0		
Plgdpt1t:	0		
Multcase:	N		
Szcashol:	8		
Szbelcas:	5.6		
Sizscrn:	0		
Slotsize:	0		
Lenscrn:	0		
Typescrn:	Not Reported	Typedev:	Not Reported
Typepump:	Not Reported		
Pumpcap:	0		
Pumptdh:	0		
Pumpset:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Typecomp:	Not Reported	Gasprod:	Not Reported
Perfintt:	0	Remarks:	Not Reported
Perfintb:	0	Formation :	JEFFERSON CITY DOLOMITE
Oilprod:	Not Reported		
TubePRES:	Not Reported		
Other data:	Not Reported		
Formation1:	JEFFERSON CITY DOLOMITE		

Strata Information:			
Id:	012958	Stratordr:	39000
Fmtp:	20		
Fmbot:	213		
Formation :	ORDOVICIAN SYSTEM		
Primlith:	Not Reported		
Seclith:	Not Reported	Minlith:	Not Reported
Primmin:	Not Reported		
Primocc:	0		
Secmin:	Not Reported		
Secocc:	0		
Minmin:	Not Reported		
Minrocc:	0		
Rmk20:	Not Reported		

Strata Information:			
Id:	012958	Stratordr:	44800
Fmtp:	20		
Fmbot:	213		
Formation :	CANADIAN (IBEXIAN) SERIES		
Primlith:	Not Reported		
Seclith:	Not Reported	Minlith:	Not Reported
Primmin:	Not Reported		
Primocc:	0		
Secmin:	Not Reported		
Secocc:	0		
Minmin:	Not Reported		
Minrocc:	0		
Rmk20:	Not Reported		

Strata Information:			
Id:	012958	Stratordr:	45500
Fmtp:	20		
Fmbot:	55		
Formation :	COTTER DOLOMITE		
Primlith:	DOLOMITE		
Seclith:	CHERT	Minlith:	SAND
Primmin:	Not Reported		
Primocc:	0		
Secmin:	Not Reported		
Secocc:	0		
Minmin:	Not Reported		
Minrocc:	0		
Rmk20:	Not Reported		

Strata Information:			
Id:	012958	Stratordr:	45800
Fmtp:	55		
Fmbot:	213		
Formation :	JEFFERSON CITY DOLOMITE		
Primlith:	DOLOMITE		
Seclith:	CHERT	Minlith:	SAND
Primmin:	Not Reported		
Primocc:	0		
Secmin:	Not Reported		
Secocc:	0		
Minmin:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Minrocc: 0
Rmk20: Not Reported

Strata Information:

Id:	012958	Stratordr:	99900
Fmtop:	213		
Fmbot:	0		
Formation :	TOTAL DEPTH		
Primlith:	Not Reported		
Seclith:	Not Reported	Minlith:	Not Reported
Primmin:	Not Reported		
Primocc:	0		
Secmin:	Not Reported		
Secocc:	0		
Minrmin:	Not Reported		
Minrocc:	0		
Rmk20:	Not Reported		

Remarks:

Id:	012958	Feature:	WP
Agency:	GS	Fileid:	H
Remarks:	Not Reported		

Remarks:

Id:	012958	Feature:	WP
Agency:	GS	Fileid:	C
Remarks:	40' OF 10", 28' OF 8", & 145' OF 5 5/8"-HOLE. W. @ 80'-85',145',& 180'-190'.		

**9
North
1/2 - 1 Mile
Lower**

MO WELLS MO600000002543

Objectid:	3104	Uniqueid:	103101
Logid:	Not Reported	Wwimsid:	Not Reported
Pwssname:	Country House Restaurant	Pwssid:	5210534
Pwssidext:	5210534101	Ipws:	MO5210534
Ipwsxt:	MO5210534101	Wellnum:	1
Localname:	Well #1	Wellid:	14838
Factype:	Restaurant	Fed type:	NP
Status:	Inactive		
Ddlat:	37.61311		
Ddlong:	-93.44219		
Mapname:	Bolivar	Fips:	29167
County:	Polk	Mdnrreg:	Southwest
Mdnrnum:	5	Drilldate:	0
Aban:	0	Plug:	0
Material:	Consolidated		
Form cd:	Not Reported		
Form td:	Not Reported		
Totdepth:	0	Grndelev:	0
Topseal:	Not Reported	Botseal:	Not Reported
Casedepth:	0	Casesize:	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casetype:	Not Reported		
Topcaseelv:	0		
Caseheight:	1	Outcasedep:	0
Outcasesiz:	0	Scrnlength:	-9999
Scrnsize:	-9999	Staticleve:	0
Yield:	0	Head:	0
Drawdown:	0	Pumptestda:	0
Pumptype:	Not Reported	Pumpmanuf:	Not Reported
Pumpdepth:	0	Pumpcapaci:	0
Meter:	Not Reported	Stdbypwr:	Not Reported
Voc:	N	Nitrate:	N
Chlor:	N	Filter:	N
Gwudisw:	N	Stappr:	N
Surfdrain:	Not Reported	Entry:	Y
Method:	DOQQ	Accuracy:	33
Locstatus:	Verified	Verloc:	N
Lastupdate:	2001/06/12	Tweyrswa:	0
Welldist:	0	Site id:	MO6000000002543

**10
NNE
1/2 - 1 Mile
Lower**

MO WELLS MOLOG100007845

Id:	008678	Located:	Not Reported
Notenough:	Not Reported	Scale:	100k
Locator:	VBProgram	Sname:	MISSOURI
Stabbrev:	MO	County:	POLK
Utm x:	461692		
Utm y:	4162631		
Latitude:	37.61182		
Longitude:	-93.43403		
Qtr3:	NW	Qtr2:	NE
Qtr1:	NE		
Section:	10		
Tnsp:	33		
Tnspdir:	Not Reported		
Rng:	23		
Rngdir:	W		
Plssx:	461192		
Plssy:	4161925		
Location p:	143		
Elev:	1112		
Idnum:	8678		
Swl:	0		
Quadrangle:	BOLIVAR	Site id:	MOLOG100007845

Header Information:

Id:	008678	Well type:	Private Well
Agencyname:	GEOLOGICAL SURVEY (DGLS)	County:	POLK
Fips:	167	Sname:	MISSOURI
Stabbrev:	MO	Qtr3:	NW
Qtr2:	NE	Qtr1:	NE
Section:	10	Tnsp:	33
Tnspdir:	N	Rng:	23
Rngdir:	W		
Latitude:	37.61182		
Longitude:	-93.43403		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Utm x:	461692		
Utm y:	4162631		
Quadmap na:	BOLIVAR	Ohio code:	37093E4
Llmeas:	D	Scale:	100k
Locator:	VBProgram	Typelog1:	Not Reported
Typelog2:	S	Typelog3:	Not Reported
Ownerind:	0	Owner:	Bacon, Clifford
Leasenam:	Not Reported	Driller:	Russell, W.B.
Drldate:	Not Reported	Permit:	Not Reported
Logdate:	1944/02/01	Logger:	Watson, R.S.
Elev:	1112		
Elevbase:	S	Prodyld:	Not Reported
Gpmcfs:	Not Reported		
Depthbed:	30		
Sampsav:	0	Swla:	Not Reported
Swlb:	Not Reported		
Water at:	Not Reported		
Totdepth:	50	Formation :	JEFFERSON CITY DOLOMITE
Formation1:	JEFFERSON CITY DOLOMITE		
Intcrdtp:	0		
Intcrdbt:	0		
Drawdown:	Not Reported	Aquclass:	Not Reported
Confind:	0	Reldate:	Not Reported
Probind1:	Not Reported	Probind2:	Not Reported
Probind3:	Not Reported	Additional:	Not Reported
Alagency1:	Not Reported	Add databa:	Not Reported
Addition 1:	Not Reported	Add data 1:	Not Reported
Alnum2:	Not Reported	Add data 2:	Not Reported
Add data 3:	Not Reported	Rmkind:	Y
Remarks:	NO PRODUCTION OR CONSTRUCTION DATA		
C total:	0	C plugind:	N
C remarks:	Not Reported		
Construction Information:			
Id:	008678	Well type:	Private Well
Agencyname:	GEOLOGICAL SURVEY (DGLS)	Datecomp:	Not Reported
Plugind:	N	Dateplug:	Not Reported
Casemat1:	Not Reported	Casemat2:	Not Reported
Cas1dpth:	0		
Cas1diam:	0		
Cas2dpth:	0		
Cas2diam:	0		
Cas3dpth:	0		
Cas3diam:	0		
Cas4dpth:	0		
Cas4diam:	0		
Inout1:	O	Typgrt1:	Not Reported
Typgrt2:	Not Reported	Typgrt3:	Not Reported
Mthgrout:	Not Reported	Rigtype:	Not Reported
Weltreat:	Not Reported	Rmkind:	Not Reported
Dateabnd:	Not Reported		
Plgdpt1b:	0		
Plgdpt1t:	0		
Multcase:	N		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Szcashol:	0		
Szbelcas:	0		
Sizscrn:	0		
Slotsize:	0		
Lenscrn:	0		
Typescrn:	Not Reported	Typedev:	Not Reported
Typepump:	Not Reported		
Pumpcap:	0		
Pumptdh:	0		
Pumpset:	0		
Typecomp:	Not Reported		
Perfintt:	0		
Perfintb:	0		
Oilprod:	Not Reported	Gasprod:	Not Reported
TubePRES:	Not Reported	Remarks:	Not Reported
Other data:	Not Reported	Formation :	JEFFERSON CITY DOLOMITE
Formation1:	JEFFERSON CITY DOLOMITE		

Strata Information:			
Id:	008678	Stratordr:	45800
Fmtp:	30		
Fmbot:	50		
Formation :	JEFFERSON CITY DOLOMITE		
Primlith:	DOLOMITE		
Seclith:	CHERT	Minlith:	Not Reported
Primmin:	Not Reported		
Primocc:	0		
Secmin:	Not Reported		
Secocc:	0		
Minmin:	Not Reported		
Minrocc:	0		
Rmk20:	Not Reported		

Remarks:			
Id:	008678	Feature:	WP
Agency:	GS	Fileid:	H
Remarks:	Not Reported		

**11
West
1/2 - 1 Mile
Lower**

MO WELLS MOLOG100007736

Id:	027450	Located:	Not Reported
Notenough:	Not Reported	Scale:	100k
Locator:	VBProgram	Sname:	MISSOURI
Stabbrev:	MO	County:	POLK
Utm x:	459687		
Utm y:	4161271		
Latitude:	37.59948		
Longitude:	-93.45667		
Qtr3:	SW	Qtr2:	SW
Qtr1:	SE		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

C total: 0 C plugind: Not Reported
 C remarks: Not Reported

Strata Information:

Id: 027450 Stratordr: 100
 Fmtp: 5
 Fmbot: 10
 Formation : RESIDUUM & TOP SOIL
 Primlith: CLAY
 Seclith: SAND Minlith: Not Reported
 Primmin: Not Reported
 Primocc: 0
 Secmin: Not Reported
 Secocc: 0
 Minrmin: Not Reported
 Minrocc: 0
 Rmk20: Not Reported

Strata Information:

Id: 027450 Stratordr: 39000
 Fmtp: 10
 Fmbot: 80
 Formation : ORDOVICIAN SYSTEM
 Primlith: Not Reported
 Seclith: Not Reported Minlith: Not Reported
 Primmin: Not Reported
 Primocc: 0
 Secmin: Not Reported
 Secocc: 0
 Minrmin: Not Reported
 Minrocc: 0
 Rmk20: Not Reported

Strata Information:

Id: 027450 Stratordr: 44800
 Fmtp: 10
 Fmbot: 80
 Formation : CANADIAN (IBEXIAN) SERIES
 Primlith: Not Reported
 Seclith: Not Reported Minlith: Not Reported
 Primmin: Not Reported
 Primocc: 0
 Secmin: Not Reported
 Secocc: 0
 Minrmin: Not Reported
 Minrocc: 0
 Rmk20: Not Reported

Strata Information:

Id: 027450 Stratordr: 45500
 Fmtp: 10
 Fmbot: 45
 Formation : COTTER DOLOMITE
 Primlith: DOLOMITE
 Seclith: SAND Minlith: CHERT
 Primmin: FeOX
 Primocc: 7
 Secmin: Not Reported
 Secocc: 0
 Minrmin: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Minrocc: 0
 Rmk20: Not Reported

Strata Information:

Id:	027450	Stratordr:	45800
Fmtop:	45		
Fmbot:	80		
Formation :	JEFFERSON CITY DOLOMITE		
Primlith:	DOLOMITE		
Seclith:	CHERT	Minlith:	SAND
Primmin:	FeOX		
Primocc:	1		
Secmin:	Not Reported		
Secocc:	0		
Minrmin:	Not Reported		
Minrocc:	0		
Rmk20:	Not Reported		

Strata Information:

Id:	027450	Stratordr:	99900
Fmtop:	80		
Fmbot:	0		
Formation :	TOTAL DEPTH		
Primlith:	Not Reported		
Seclith:	Not Reported	Minlith:	Not Reported
Primmin:	Not Reported		
Primocc:	0		
Secmin:	Not Reported		
Secocc:	0		
Minrmin:	Not Reported		
Minrocc:	0		
Rmk20:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: MO Radon

Radon Test Results

Zipcode	Test Date	Result
65613	02/18/08	< 0.3
65613	02/19/08	0.6
65613	02/21/08	????
65613	01/11/08	0.6
65613	02/11/08	0.8
65613	02/15/08	0.5
65613	02/23/06	????
65613	03/06/08	< 0.3
65613	03/09/09	4.6
65613	03/17/08	< 0.3
65613	03/20/06	3.1
65613	03/22/08	3.1
65613	08/21/08	0.9
65613	06/13/08	< 0.3
65613	06/20/08	< 0.3
65613	05/13/08	< 0.3
65613	11/11/03	0.6
65613	12/14/07	5.4

Federal EPA Radon Zone for POLK County: 2

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

Federal Area Radon Information for Zip Code: 65613

Number of sites tested: 7

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.157 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	6.850 pCi/L	50%	50%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

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

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

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

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

State Wetlands Data: National Wetland Inventory of Missouri

Source: Department of Natural Resources

Telephone: 573-751-5110

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

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

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

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

STATSGO: State Soil Geographic Database

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

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

SSURGO: Soil Survey Geographic Database

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

Telephone: 800-672-5559

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

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

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

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

STATE RECORDS

Missouri Public Drinking Water Wells

Source: Department of Natural Resources

Telephone: 573-526-5448

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Database

Source: Department of Natural Resources

Telephone: 573-368-2143

RADON

Area Radon Information

Source: USGS

Telephone: 703-356-4020

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

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

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

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

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

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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**APPENDIX E
CREDENTIALS**

JAMES B. FELS, R.G.

DEPARTMENT MANAGER

PROFESSIONAL EXPERIENCE

Jim Fels is the Environmental Department Manager in Terracon's Springfield, Missouri office. Mr. Fels oversees all aspects of the work performed in the Environmental Department. His experience consists of investigations in soil, bedrock, groundwater and indoor air.

Mr. Fels has extensive experience in underground storage tanks and above ground storage tanks (UST/AST) closures and regulatory compliance issues relating to these tank sites. He has performed UST/AST closures across Missouri in most geologic settings found in the State. He has successfully completed multiple UST/AST site remediation projects that has resulted in a No Further Action letter for his clients. He has prepared Spill Prevention, Control and Countermeasures (SPCC) plans for AST sites and Storm Water Pollution Prevention Plan (SWPPP) for AST sites and other facilities.

Jim Fels also has extensive experience performing Phase I and Phase II Environmental Site Assessments (ESAs), site characterization and remediation using Missouri Risk Based Corrective Action (MRBCA) guidance and projects in the brownfields and voluntary cleanup programs assisting clients with property transfer and acquisitions.

Mr. Fels has published and presented papers regarding groundwater investigations including water tracing in karst settings, plume delineation and stability, slug testing and packer testing as well as geophysical surveys including electromagnetic, resistivity and ground penetrating radar.

PROJECT EXPERIENCE

Retail/Commercial

UST/AST Assessment, Closure and Remediation

Provided client contact, project management, field investigations and report preparation for numerous underground storage tank (UST) and aboveground storage tank (AST) sites across the Midwest. Most sites utilized the respective State's insurance fund. Numerous sites achieved No Further Action status for the client.

Professional Services Completed: Varies

Construction Completed: Various

Construction Cost: Varies

Phase I ESAs, Phase II ESAs and LSIs

Provided client contact, project management, field investigation and report preparation for numerous Phase I ESAs, Phase II ESAs, and Limited Site Investigations (LSIs) across the Midwest. Property conditions varied from small, undeveloped land to large, commercial and industrial developments. Provides senior level guidance and review of junior staff performing similar tasks.

Professional Services Completed: Varies

Education

*Bachelor of Science, Geology,
University of Missouri-Columbia,
1988*

Registrations

Registered Geologist, No. RG0059

Certifications

40-Hour HAZWOPER

10-Hour OSHA Construction

Affiliations

*Association of Environmental and
Engineering Geologists*

*Springfield Area Chamber of
Commerce*

Work History

*Sunbelt Environmental Services,
Cape Girardeau Branch Manager,
2013-2015*

*Gredell Engineering, Rolla Branch
Manager and Senior Geologist,
2007-2013*

*Environmental Works, Regional
Manager and Senior Geologist,
2005-2007*

*Barker Lemar Engineering
Consultants, Senior Geologist,
2004-2005*

*Midwest Remediation, Senior
Geologist and Rolla Branch
Manager, 2002-2004*

*Missouri Department of Natural
Resources, Division of Geology and
Land Survey, Subsurface
Investigations Unit, Chief, 1989-
2002*

Construction Completed: Varies

Construction Cost: Varies

Groundwater Sampling and Groundwater Flow Determination

Provided client contact, project management, routine monitoring well sampling and report preparation for numerous UST/AST sites, solid waste sites and other sites across the Midwest. Measured static water levels in monitoring wells and private water wells to determine groundwater flow, horizontal and vertical gradients and prepared potentiometric maps of various groundwater regimes across the Midwest.

Professional Services Completed: Varies

Construction Completed: Varies

Construction Cost: Varies

Tier I/Tier II Risk Assessments

Performed project management, field investigation, data interpretation and prepared Tier I and Tier II risk assessments for numerous UST and AST sites across Missouri. Utilizing the Missouri Risk Based Corrective Action guidance, sites were assessed using site conceptual model for current and reasonably anticipated future use, residential and/or non-residential use and complete or incomplete exposure pathways for inhalation, dermal contact, ingestion and groundwater consumption.

Professional Services Completed: Varies

Construction Completed: Varies

Construction Cost: Varies

Spill Prevention, Control and Countermeasures (SPCC) Plans

Performed project management, conducted site visits and prepared numerous SPCC plans across the Midwest. Plans were then available for PE review and certification.

Professional Services Completed: Varies

Construction Completed: Varies

Construction Cost: Varies

Storm Water Pollution Prevention Plan (SWPPP)

Performed project management, conducted site visits and prepared numerous SWPPP reports for clients with Bulk Petroleum Storage Plants requiring periodic inspections and sampling of storm water.

Professional Services Completed: Varies

Construction Completed: Varies

Construction Cost: Varies

Indoor Air Sampling and Reporting

Provided client contact, project management, sample collection and report preparation for numerous sites across Missouri for mold, radon, asbestos, lead based paint and other air-borne allergens, pollutants or naturally occurring radionuclides. Not certified in asbestos sampling, therefore gained data from other staff members who were certified. Property conditions varied from small residences to large commercial facilities. Provides senior level guidance and review of junior staff performing similar tasks.

Professional Services Completed: Varies

Construction Completed: Varies

Construction Cost: Varies

Presentations/Published Articles

Fels, James B., *The Geology and Mining of the Viburnum Trend in Southeast Missouri* (AEG News, June 2013)

Fels, James B., *Source Identification Investigations of Petroleum Contaminated Groundwater in the Missouri Ozarks* (Engineering Geology, 1999)

Fels, James B., *The Engineering Geology and Hydrology of Karst Terrains* (Proceedings of the Sixth Multidisciplinary Conference on Sinkholes and the Engineering and Environmental Impacts of Karst, April 1997)

Courses/Conferences

Missouri Waste Control Coalition Annual Conference, each year since 2002, Speaker in 2008

CHMM Ozark Region Conference, 2013 and 2014

AEG National Conference, 2012 and 2013

Missouri Tanks Conference, 2008, 2009 and Speaker in 2010

National AST Conference, 2012 and Speaker in 2013

KAMERON L. LONG

FIELD ENVIRONMENTAL SCIENTIST

PROFESSIONAL EXPERIENCE

Mr. Long is an Environmental Scientist in Terracon's Springfield, Missouri Office. Mr. Long conducts environmental site assessments, limited site investigations, and a wide variety of other environmental task.

Mr. Long has obtained a Bachelor of Science degree in Soil, Environmental, and Atmospheric Science from the University of Missouri.

PROJECT/RESEARCH EXPERIENCE

Atmospheric Emissions Testing- Midwest

Performed emission testing and analysis for national clients, which include a compressed time frame and confidentiality to meet client goals.

Environmental Site Assessments - Missouri

Performed portfolio projects for national clients, which include a compressed time frame and confidentiality to meet client goals.

EDUCATION

*Bachelor of Science,
Environmental Science,
Drury University, 2014*

WORK HISTORY

*SCI Engineering, Engineering Field
Technician, May-Nov 2014*

*Civil and Environmental Consultants
(CEC), Environmental Scientist, Nov
2014 – Dec 2015*

*Terracon Consultants, Inc., Field
Environmental Scientist, January,
2016-Present*

APPENDIX F
DESCRIPTION OF TERMS AND ACRONYMS

Description of Selected General Terms and Acronyms

<i>Term/Acronym</i>	<i>Description</i>
ACM	<p>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).</p> <p>Regulatory agencies have generally defined ACM as a material containing greater than 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.</p> <p>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.</p>
AHERA	Asbestos Hazard Emergency Response Act
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 onsite 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

Description of Selected General Terms and Acronyms

Term/Acronym	Description
CREC	Controlled Recognized Environmental Condition is defined in ASTM E1527-13 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
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 E1527-13 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 at the time the Phase I ESA is conducted, the condition shall be included in the conclusions section of the report as a recognized environmental condition.”

Description of Selected General Terms and Acronyms

Term/Acronym	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.
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
PACM	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.
PCB	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)
PST	Petroleum Storage Tank. An AST or UST that contains a petroleum product.

Description of Selected General Terms and Acronyms

Term/Acronym	Description
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.
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 E1527-13 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. <i>De minimis</i> 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.
TPH	Total Petroleum Hydrocarbons

Description of Selected General Terms and Acronyms

Term/Acronym	Description
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 E1527-13, 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
Wetlands	<p>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.</p> <p>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.</p>

