



ENVIRONMENTAL CONSULTANTS, INC.

1100 South Clay St. - P.O. Box 742 - Hopkinsville, KY 42241-0742
Bus. (270) 886-6060 - Fax: (270) 886-2187 - URL <http://www.wedrill.com>

**Phase I Environmental Site Assessment
Trigg County Industrial Park No. 3
Cadiz, Trigg County, Kentucky**

TABLE OF CONTENTS

Section	Page
List of Figures	3
List of Tables	4
1.0 Executive Summary	5
2.0 Objectives	7
3.0 Site Overview	9
4.0 Site Background	10
4.1 Current Ownership	
4.2 Prior Ownership	
4.3 Review of Aerial Photographs	
4.4 Historical City Directories/Fire Insurance Maps	
4.5 History of Property Use	
5.0 Environmental Setting	12
5.1 Surface Water Characteristics	
5.2 Subsurface Geological Characterization	
5.3 Ground Water Characteristics	
6.0 Site Inspection	14
6.1 Site Observations	
6.2 UST Systems and Pipelines	
6.3 Transformers and PCB Equipment	
6.4 On-site Regulated Substance Identification/Inventory	
6.5 Area Reconnaissance	
6.6 Site Plan Drawing(s)	
6.7 Asbestos Containing Material	
6.8 Radon Survey Data	
7.0 Environmental/Regulatory Agency Inquiries	17
7.1 Federal and State Regulatory Agencies	
7.2 Local Government Agencies	
7.3 List of Recorded Sites	
8.0 References	19
9.0 Appendices	
Appendix A – Property Plat	
Appendix B – Laboratory Results and chain of Custody	
Appendix C - Aerial Photograph of Site Area	
Appendix D- Historical Topographic Maps	
Appendix E- Environmental Screening Inspection	
Appendix F- Radial Search Reports for the Subject Site	

LIST OF FIGURES

Figure 1: Site Location Topographic Map

Figure 2: Vicinity Geologic Map

Figure 3: Kentucky – EPA Map of Radon

LIST OF TABLES

Table 1: Chain of Title

Table 2: Aerial Photographs Reviewed

Table 3: Summary of Laboratory Analyses

Table 4: List of Recorded Sites

1.0 Executive Summary and Recommendations

The subject site is located approximately 3 miles east of the City of Cadiz, Trigg county, Kentucky. The site inspection was performed on February 20, 2002 by Jeffrey D. Major, Professional Geologist. Local research for the ESA was also conducted by Mr. Major. Database research was provided by Environmental Data Resources, Inc. of Southport, Connecticut.

The subject properties winluced in this study are comprised of two tracts. Tract 1 encompasses 100 acres and is owned by the Cadiz-Trigg County Industrial Development Authority; and Tract 2, which encompasses approximately 84 acres and abutts Tract 1, is owned by Exchange Enterprises, Inc. The properties are undeveloped, rural farmland and were observed to be in good condition and kept reasonably clean.

Although multiple sinkholes are present on the properties, the only area of concern discovered during the site inspection was a sinkhole on Tract 1 which contained a very old used car. Per the direction of the client, one soil boring was advanced at this sinkhole. A composite soil sampled was analyzed for BTEX, PAH, PCB's and RCRA Metals. Based on the results of these analyses, no contamination was discovered. It is recommended that an excavator be utilized to removed the old car from this sinkhole, and that the car and any other debris be disposed of properly. The excavation can be backfilled with native soil.

Due to the presence of mulitple sinkholes and depressions across the site, prior to construction of any roadway or structure, it is recommended that geotechnical soil borings be performed. This will allow these improvements to be properly engineered to assure their longterm stability.

A former underground storage tank had been located on tract 2, which was removed by the curnet owner in approximately 1994. The subject UST was a small, approximately 560 gallon tank used to store farm fuel. Although the subject UST is exempt from regulation by the Kentucky Division of Waste Management (DWM), Underground Ground Storage Tank Branch, a release from the UST is regulated by the DWM Superfund Branch. It is recommended that prior to acquiring Tract 2, the Cadiz-Trigg County Industrial Development Authority obtain a soil sample from the former UST excavation to confirm the absence of contamination.

One water well, formerly utilized for domestic use, is located on Tract 2. If this well is not going to be utilized, it is recommended that it be properly abandoned by a Certified Driller in accordance with the requirements of the Kentucky Division of Water.

One pole mounted electrical transformer is located on Tract 2. The transformer is not labled for PCB content. The transformer is owned by Pennyrile Rural Electric Cooperative Corporation (PRECC). Any and all liability associated with this transformer would lie with PRECC, not the property owner.

Other than the aforementioned, no concerns were discovered on site.

Other than the aforementioned, no Underground Storage Tanks (UST's) or Above Ground Storage Tank's (AST's), were observed on the subject site. The nearest known registered UST sites are in excess of 0.25 miles to the south and southeast. The UST's at these sites have either been removed, or are active. Should any residual contamination be present at any of these sites, there is distance enough that there should be no effect the subject property.

No evidence was discovered on the site or during the performance of the investigation to indicate environmentally sensitive conditions on the subject or adjacent properties and ECI has no further recommendations for the site.

2.0 Objectives

The purpose of E.C.I.'s investigation was to visually inspect the site, abutting and adjacent properties, improvements to the site, and public records to obtain information with respect to past ownership and land use to identify recognized environmental conditions. The term *recognized environmental conditions* means the presence or likely presence of any hazardous substances or petroleum products under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water on the property. The term is not intended to include de minimis conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. This investigation was not intended to evaluate potential environmental conditions or releases resulting from any future developments on the property.

The Scope of the Limited Phase I ESA generally meets the criteria set forth in ASTM E 1527 "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process". The Scope of this ESA is generally described as follows:

Conduct inquiries and interviews, research standard historical sources to determine environmental conditions and uses of the subject property for the past 50 years. When the minimum 50 year investigation indicates preceding improvements, operations, or uses, interviews and inquiries with people who have historical knowledge of the site will be conducted and available standard historical sources will be researched to determine use to the earliest date possible.

The history of the property use will be researched and described for a minimum period of 50 years, and if preceding improvements were made to the property, the history of the property will be researched until virgin land is verified. This will include present and past business activities, land uses, and improvements upon the subject property.

The physical environmental conditions of the site's hydrology, geology, and topography characteristics will be assessed and described.

A physical on-site inspection and inquiry to observe the existing conditions, business activities and operations on-site and on the abutting and adjacent properties will be conducted. Findings during the on-site inspection may prompt or target an area of concern for inquiry or investigation to complete the Phase I ESA.

A historical review of the appropriate and current regulatory agency databases and records will be conducted. If the database reviews indicate the subject site, or an abutting or adjacent site is listed, the respective agency file and records may be reviewed. References to be provided are to include regulatory records and public documents, copies of which will be provided if they are significant to support findings of conditions imposing or threatening an environmental impairment, liability, or restriction to the subject property; published and unpublished references,

copies of which will be provided if they are significant to support findings of conditions imposing or threatening an environmental impairment, liability, or restriction to the subject property.

The opinions included herein are based on information obtained during the performance of the ESA, and our experience with similar projects. The report is based on visual observations at the site completed on the date noted herein, and review of historical and public data for the site and general vicinity. Environmental Consultants investigation was conducted only to locate items as they specifically pertain to the "Scope" of the ESA and is limited to the same. If additional information becomes available, we reserve the opportunity to review the information, reassess the data and modify our opinions, if appropriate. The findings within this report are relevant for the date of site work. The findings should not be relied upon to represent site conditions at substantially later dates. The distribution of copies of this report is prohibited without the express written consent of Environmental Consultants, Inc.

3.0 Site Overview

3.1 Site Name: Cadiz-Trigg County Industrial Development Authority: Industrial Park #3

3.2 Address: U.S. Highway 68 & Kentucky Highway 276
Cadiz, Kentucky 42211

3.3 Property Size

Tract 1 contains 100 acres, and Tract 2 contains 84 acres, more or less.

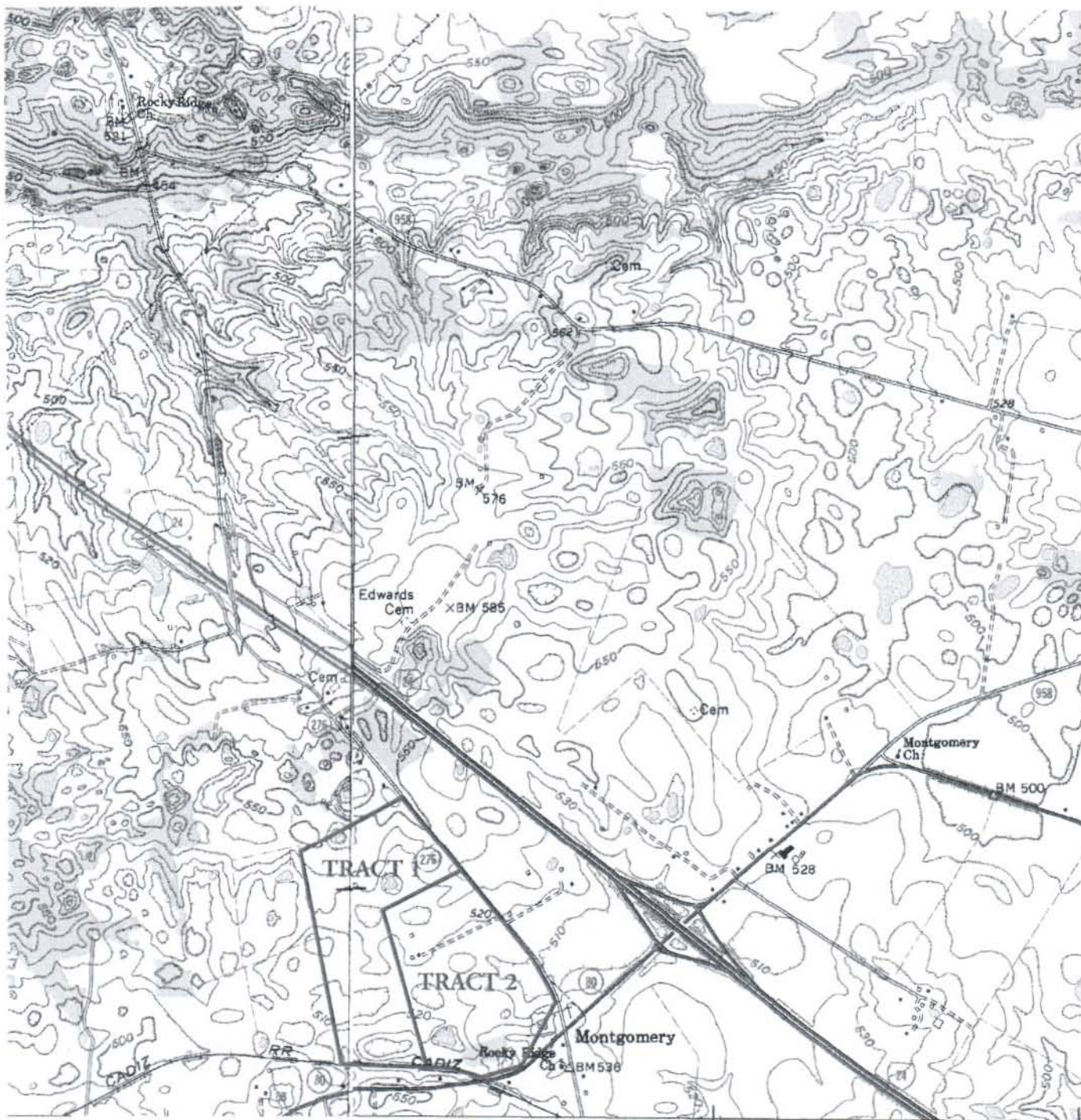
3.4 Zoning

The property investigated is in an area that is designated for its current and intended use.

3.5 Occupancy Uses and Current Improvements

The subject property is currently unoccupied and historically has been undeveloped agricultural land. The only current improvements to the property are related to its agricultural history. These consist of a tobacco barn, hay barn, smoke house, two grain bins, and an equipment shed.

Ground surfaces of the subject site are covered by vegetation, primarily grasses with scattered trees along the south, east, and northern boundaries.



Prepared By
Environmental Consultants, Inc.
Hopkinsville, Kentucky



Figure 1 Site Map

From a Portions of
The
USGS Cobb & Gracey,
Kentucky 7-1/2' Quadrangles

Prepared For
Trigg County
Industrial Development
Authority
Cadiz, Kentucky 42211

4.0 Site Background/Operating History

4.1 Current Ownership

The current owners of the property are the Cadiz-Trigg County Industrial Development Authority (Tract 1), and Exchange enterprises, Inc. (Tract 2), by deeds of record in the Trigg County, Kentucky Court Clerk's Office, as noted above. Exchange Enterprises, Inc. is also the prior owner of Tract 1.

4.2 Prior Ownership

A study of the prior ownership of the site was conducted in the Trigg County Clerks Office. The chain of title is listed below in Table 1.

Grantor	Grantee	Date	DB/PG
Exchange Enterprises, Inc.	Cadiz-Trigg County Industrial Development Authority	02/08/01	200/381
Byron Scott Jolly, et.al.	Exchange Enterprises, Inc.	11/11/94	166/93
Amos & Marie Calhoun	Byron Scott Jolly, et.al.	02/20/92	151/545
Walter Aldridge, et.al.	Amos & Marie Calhoun	01/02/65	72/350
Fred L. Kemper	Walter Aldridge, et.al.	10/31/57	WB 72/37
Carl Camanisch et.al.	Walter Aldridge, et.al.	01/12/58	65/344
Lonnie R. Watkins, et.al.	Carl Camanisch et.al.	09/03/55	64/450
Mrs. Willie L. Kemper	Lonnie R. Watkins, et.al.	08/20/50	62/472
Gertrude Ricks Heirs	Fred L. Kemper, Mrs. Willie L. Kemper	07/26/49	62/79
Jessie & Gertrude Ricks	Gertrude Ricks Heirs	01/28/47	WB1 209
L.H. Tompkins	Jessie & Gertrude Ricks	12/28/12	43/491

No record was discovered in the aboves deeds of record indicating any severance of mineral rights from the subject property.

4.3 Review of Aerial Photographs

The following aerial photographs were reviewed during the performance of the ESA in order that historical land use by past owners be determined, and as a means of locating and identifying topographic and geologic features which are not mapped. Table 2 lists the date, source, and type of aerial photographs reviewed during the performance of this ESA.

Table 2: Aerial Photographs Reviewed

Date of Photograph	Photograph Type	Source of Photograph
1955	Black & White	U.S.D.A. Trigg County NRCS Office
1959	Black & White	U.S.D.A. Trigg County NRCS Office
1965	Black & White	U.S.D.A. Trigg County NRCS Office

1972	Black & White	U.S.D.A. Trigg County NRCS Office
1973	Black & White	U.S.D.A. Trigg County NRCS Office
1981	Black & White	U.S.D.A. Trigg County NRCS Office
1981	Color Infrared	U.S.D.A. Trigg County NRCS Office
1988	Color infrared	U.S.D.A. Trigg County NRCS Office
1993	Black & White	U.S.D.A. Trigg County NRCS Office
1998	Black & White	U.S.D.A. Trigg County NRCS Office

Based on the aerial photographs listed in Table 2, and available information, it was determined that the subject and surrounding properties have been primarily undeveloped and utilized historically for agricultural purposes. There were numerous sink holes/depressions recognizable on the aerial photographs. Prior to construction of improvements to the properties, a geolotechnical investigation should be conducted to allow the improvements to be properly engineered. Other than the aforementioned, no recognized apparent geologic hazards were noted on the subject site during the review of the aerial photographs.

4.4 Historical City Directories/Fire Insurance Maps

There were no available fire insurance maps for the subject property discovered during the performance of the ESA.

4.5 History of Property Use

The subject property has primarily been used for agricultural business purposes. This was confirmed by a review of the above photographs, historic topographic maps and prior deeds to the indicating only private ownership.

5.0 Environmental Setting

5.1 Surface Water Characteristics

Topography of the area surrounding the site is gently rolling, and considered a karst topography. Surface drainage for the subject property is random, whereby surface water is geologically controlled and drains primarily into karst features. The subsurface drains generally in a westward direction and discharges into Little River via a spring located in the City of Cadiz. No blue line streams are located within the immediate vicinity of the subject site.

National Flood Insurance Maps (FEMA) for the City of Cadiz, Kentucky indicate that no portions of the property lies within the 100 year flood plain.

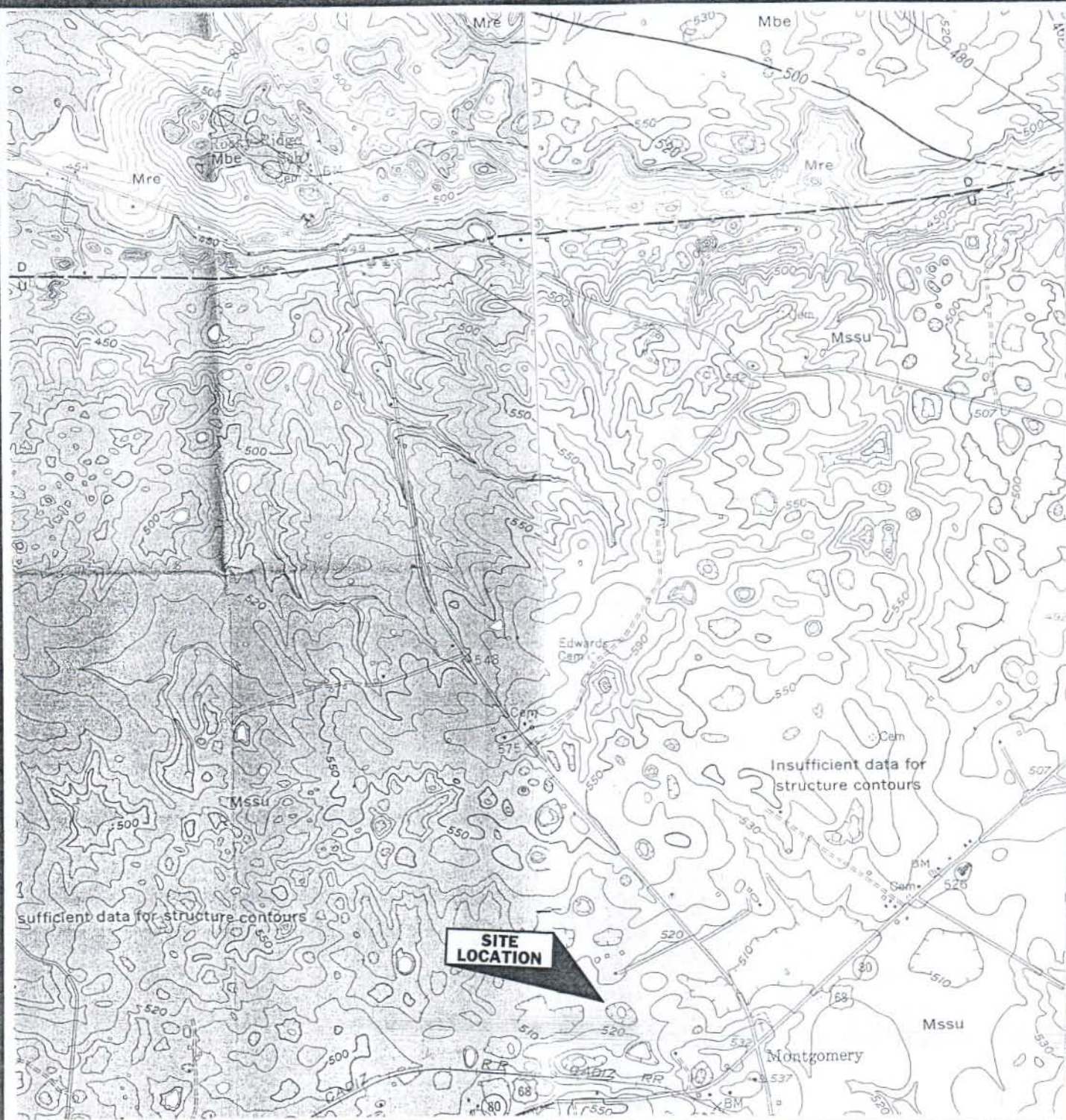
5.2 Subsurface Geological Characterization

The site is located on the southcentral limit of the Mississippian Plateau Physiographic Region of Kentucky. According to the Cobb and Gracey, Kentucky Geologic Quadrangle Maps (Figure 2), the site is underlain by the Mississippian Aged St. Genevieve Limestone and Upper Member of the St. Louis Limestone, undivided. These formations are primarily a white, oolitic limestone. Solution features such as caves, sinking streams, and sink holes are common. Based on review of the subject map, geologic faulting was not indicated under or near the subject property.

According to the Soil Survey of Lyon and Trigg Counties, Kentucky, published by the United States Department of Agriculture Natural Resources Conservation Service, the soil types which occur at the site include the Hammack silt Loam, 2% to 6% slopes; Hammack-Baxter Complex, 12% to 20% slope; Crider Silt Loam, 2% to 6% slope; Crider-Pembroke silt Loam, 6 to 12% slope; Nolin silt loam; and the Landside Silt Loam. The extent of these soils vary across the site. According to the National Wetland Inventory Maps for the Cobb and Gracey Quadrangles, Kentucky, multiple sites are mapped on the subject property, but appear to be related to the farm ponds and sink holes.

5.3 Ground Water Characteristics

Ground water occurs in the unconsolidated sediments and underlying limestone around the site, although its availability is variable both laterally and vertically. Most of the drilled water wells in this area yield enough water for a domestic supply with a power pump. Wells that encounter large solution channels in the rock yield more than 5 gallons per minute and some supply more than 50 gallons per minute. Groundwater flow direction is generally in a westerly direction. The site does lie within the wellhead protection area for the City of Cadiz. Groundwater which drains through the subsurface within the well head protection area serves to recharge the spring from which the City of Cadiz obtains its raw water. This does not appear to threaten or hinder the future development of the site, as it has not threatened or hindered the development of the balance of the properties which lie within the wellhead protection area. Although a single drilled water well is located on Tract 2, it is not currently being utilized as a domestic water supply at the property. It is planned for water for domestic use to be provided to the subject properties by the City of Cadiz, and there are currently no known plans to utilize groundwater at the site for any



Prepared By
Environmental Consultants, Inc.
Hopkinsville, Kentucky



Figure 2 Site Map

From Portions of The
USGS Gracey & Cobb,
Kentucky 7-1/2' Geologic
Quadrangles

Prepared For
Trigg County
Industrial Development
Authority
Cadiz, Kentucky 42211

purpose. It is recommended that the subject well be properly abandoned by a Certified Driller in accordance with the requirements of the Kentucky Division of Water.

6.0 Site Inspection

6.1 Site Screening Inspection

The site inspection was conducted on February 20, 2002. The inspection was performed by Jeffrey D. Major, Professional Geologist. The inspection process and procedures performed to observe and evaluate the site conditions were conducted as follows:

- a. Rode a 4-wheeler around the entire perimeter boundary of the property.
- b. Walked through and around all improvements.
- c. Rode a 4-wheeler on a rectangular grid pattern over the property.
- d. Rode a 4-wheeler and walked along all drainage pathways on the property.

The subject property is currently vacant undeveloped land. Adjoining properties consists of mixed use including agricultural, residential, and light commercial. The potential for contamination of the subject property from activities on the adjoining properties appears to be extremely low.

Surface access for ingress and egress is from Kentucky Highway 276, and U.S. Highway 68/80.

Vegetative cover within the boundaries of the property consists primarily of grasses with some trees growing along the south, east, and north property boundaries. There was no stressed vegetation or variations in the hardness of the vegetation discovered during the site inspection indicative of any type of chemical impact.

There are no railroad spurs on or near the site. There are some small overhead power lines on and adjacent to the site, owned and maintained by the public utility. The site currently has electric power. Natural gas, water, and sewer, although available, are not currently connected to the site.

There were no observed tankers, or spray rigs or foul odors evidence of any air emissions or waste water discharges; evidence of industrial or manufacturing activities; evidence of monitoring wells; evidence of seeps; evidence of any areas of distressed, discolored, or stained vegetation; evidence of farm waste, including but not limited to feed spoils or manure stockpiles; evidence of prolonged use or misapplication of pesticides, herbicides, soil conditioners, or fertilizers; evidence of any off-site potential contaminants which could impact the site.

Multiple sinkholes were discovered at the site. Based on the geologic strata which underlies the properties, the presence of karst features was expected. Although multiple sinkholes are present on the properties, the only area of concern, from an environmental standpoint, discovered during the site inspection was a sinkhole on Tract 1 which contained a very old used car. Per the direction of the client, on March 3, 2002, one soil boring was advanced at this sinkhole. A composite soil sample was obtained utilizing Hollow Stem Auger drilling techniques and analyzed in accordance with USEPA SW-846 methodologies for BTEX, PAH, PCB's and RCRA Metals. The results of these laboratory analyses are summarized below in Table 3.

Table 3: Summary of Laboratory Analyses for Boring B-1

Analyte	Results in ppm	Regulatory Limits in ppm
BTEX	ND @ 0.005	0.065
PAH	ND @ 0.132	0.15
PCB	ND @ 0.0200	0.1
Arsenic	6.18	22
Barium	205.0	5,400
Cadmium	ND @ 0.965	37
Chromium	18.9	210
Lead	10.8	50
Mercury	ND @ 0.965	23
Selenium	1.54	390
Silver	ND @ 0.965	390

ND = Not Detected

ppm = parts per million

Based on the results of these analyses, no contamination was discovered. It is recommended that an excavator be utilized to removed the old car from this sinkhole, and that the car and any other debris be disposed of properly. The excavation can be backfilled with native soil.

Due to the presence of mulitple sinkholes and depressions across the site, prior to construction of any roadway or structure, it is recommended that geotechnical soil borings be performed. This will allow these improvements to be properly engineered to assure their longterm stability.

There is no evidence of oil well exploration, mining or other subsurface exploration in the immediate vicinity of the site. The nearest well as stated above is approximately 2 miles to the west-southwest from the site and should pose no environmental threat to the site.

6.2 UST Systems and Pipelines

A former underground storage tank had been located on tract 2, which was removed by the currnet owner in approximately 1994. The subject UST was a small, approximately 560 gallon tank used to store farm fuel. Although the subject UST is exempt from regulation by the Kentucky Division of Waste Management (DWM), Underground Ground Storage Tank Branch, a release from the UST is regulated by the DWM Superfund Branch. It is recommended that prior to acquiring Tract 2, the Cadiz-Trigg County Industrial Development Authority obtain a soil sample from the former UST excavation to confirm the absence of contamination.

There were no current UST systems discovered on the property during the site investigation or database review. However, during the performance of the ESA, the presence of an four active and three former UST sites were located greater than ¼ mile in a south and east-southeasterly direction from the site. These sites pose little or no environmental threat or liability to the subject property.

6.3 Transformers and PCB Equipment

There was a single pole-mounted single phase electrical transformer located on Tract 2. The transformer showed no visual signs of deterioration, and there were no apparent leaks. The transformer was not labeled as to confirm or deny the presence of PCB transformer oil. The subject transformer is owned by Pennyrite Rural Electric Cooperative Corporation, and as the owner, are liable for adverse effects on the environment the subject transformer have have. Other than the aforementioned there were no transformers or other electrical equipment discovered on the subject property.

6.4 On-Site Regulated Substances

No evidence of the use of regulated substances was observed at the site during the inspection.

6.5 Area Reconnaissance

There was no visual evidence of contamination discovered during the on-site inspection of the abutting properties which could pose a threat or limit the use of the subject property. The abutting properties all consisted of agricultural, residential, and commercial properties. Although property being utilized as commercial is nearby, the potential for contamination of the subject property from activities on these commercial properties appears to be extremely low.

6.6 Site Plan/Drawing(s)

The site map shown as Figure 2, as provided by the Client depicts the layout of the site.

6.7 Asbestos Containing Materials

During the site inspection, there were no observed asbestos containing materials on the site.

6.8 Radon Survey Data

Radon gas as a potential environmental problem in the site area was not specifically researched for this report. The EPA however, has determined that Trigg County, Kentucky be classified Zone 2, moderate potential from 2 to 4 pCi/L- (potential high risk due to collection of the gas in limestone caves of the region). The Kentucky EPA map of Radon zones is shown as Figure 3.

LEGEND



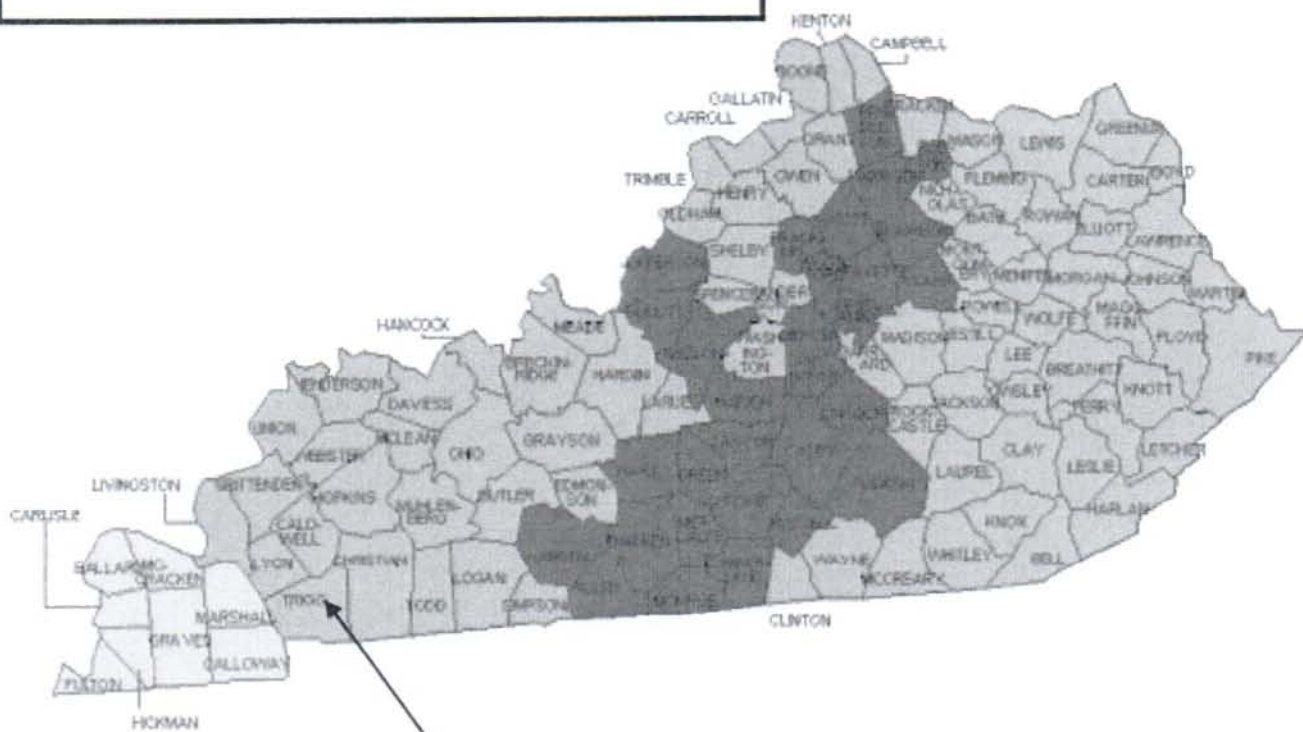
Zone 1 Highest Potential (greater than 4 pCi/L)



Zone 2 Moderate Potential (from 2 to 4 pCi/L)



Zone 3 Low Potential (less than 2 pCi/L)



SITE

Prepared By
Environmental Consultants, Inc.
Hopkinsville, Kentucky



Figure 3
Kentucky EPA
Radon Zone Map

Prepared For
Trigg County
Industrial
Development Authority
Cadiz, Kentucky 42211

7.0 Environmental/Regulatory Agency Inquiries

7.1 Federal and State Environmental/Regulatory Agency Inquiries

Various federal and State of Kentucky Department of Environmental Protection databases were reviewed by Environmental Data Resources, Inc (EDR). The following is a list of the databases reviewed during the performance of this assessment:

- National Priorities Listing (NPL);
- Proposed National Priority List Sites (Proposed NPL);
- Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS);
- CERCLIS No Further Remedial Action Planned (CERC-NEFRAP);
- RCRA Corrective Action sites- (CORRACTS);
- Resource Conservation and Recovery Information System (RCRIS-TSD);
- Resource Conservation and Recovery Information System (RCRIS-LQG);
- Resource Conservation and Recovery Information System (RCRIS-SQG);
- The National Response Center- Emergency Response Notification System (ERNS);
- State Leads List (SHWS);
- Solid Waste Facilities List (SWF/LF);
- Superfund (CERCLA) Consent Decrees (CONSENT);
- Records of Decision (ROD)
- National Priority List Deletions (Delisted NPL);
- Facility Index System (FINDS);
- Hazardous Materials Information Reporting System (HMIRS);
- Material Licensing Tracking System (MLTS);
- Mines Master Index File (MINES);
- Federal Superfund Liens (NPL Liens);
- PCB Activity Database System (PADS);
- RCRA Administrative Tracking system (RAATS);
- Toxic Chemical Release Inventory System (TRIS);
- Toxic substances Control Act (TSCA);
- FIFRA/TSCA Tracking System (FTTS);
- Kentucky Department of Environmental Protection, Division of Waste Management, UST Branch- Underground Storage Tank database (UST's);
- Former Manufactured Gas (Coal Gas) Sites (EDR Proprietary);
- Federal Emergency Management Agency (FEMA) Flood Zone Data;
- National Wetland Inventory (NWI);
- Federal USGS Well Information;
- Federal FRDS PWS/PWS ENF Water Supply System Information;
- Kentucky Division of Water State Database Well Information;
- Federal EPA Radon Zone for Barren County;
- Hydrogeologic Information (AQUIFLOW) Proprietary to EDR;

- State Soil Geographic Database (STATSGO);
- Federal Lands Data;
- National and State Register of Historic Places;
- FCC and FAA Data; and
- USGS Historic Topographic Map Data

7.2 Local Government Agencies

There are no known local agencies in Trigg County which regulate environmental issues. Environmental issues for this area are under the jurisdiction of state and federal agencies.

7.3 List of Recorded Sites

There were no State and Federal records discovered during the ESA which indicate existing or past presence of activities placing the subject property, and/or properties within a one (1) mile radius on a list of recorded sites. Those few recorded unmapped sites outside the 1 mile radius pose little or no environmental threat or liability to the subject property. Table 3 summarizes the list of recorded sites within a one (1) mile radius of the site.

Table 4 List of Recorded Sites within a One-Mile Radius of the Subject Property

Item #	Facility Name	Database	Status	Distance (miles) & Direction
1	J.M Towler	UST	Closed	0.3 S
2	Cadz Drywall Contractors Inc. Landfill	SWF/LF	Closed	0.4 SW
3	Smith D. Broadbent III	UST	Closed	0.9 SE
4	W.R. Grace	RCRIS-SQG	Closed	0.3 S
5	Max Arnold & Sons	UST	Active	0.4 ESE
6	Yall's Shell	UST	Active	0.3 ESE
7	BP	UST	Active	0.5 ESE
8	Broadbent Mkt.	UST	Active	0.5 ESE

8.0 REFERENCES

Lambert, T. W., and Brown, R.F., 1963, Availability of ground water in Caldwell, Christian, Crittenden, Livingston, Lyon, Todd, and Trigg Counties, Kentucky: U.S. Geological Survey Hydrologic Investigation. Atlas HA-34.

Environmental Data Resources, Inc. Radial Search Report, 02-20-02.

Environmental Data Resources, Inc. NEPA Radial Search Report, 02-20-02.

Environmental Data Resources, Inc. Sandborn Map Search, 02-20-02.

U.S. EPA, 1999, EPA Map of Radon Zones, Map #EPA-402-R-93-071.

U.S. Geological Survey, 1953, Gracey Quadrangle, Kentucky, 7.5 Minute Series Topographic Map, Scale 1:24,000.

U.S. Geological Survey, 1974, Gracey Quadrangle, Kentucky, 7.5 Minute Series Topographic Map, Scale 1:24,000.

U.S. Geological Survey, 1953, Cobb Quadrangle, Kentucky, 7.5 Minute Series Topographic Map, Scale 1:24,000.

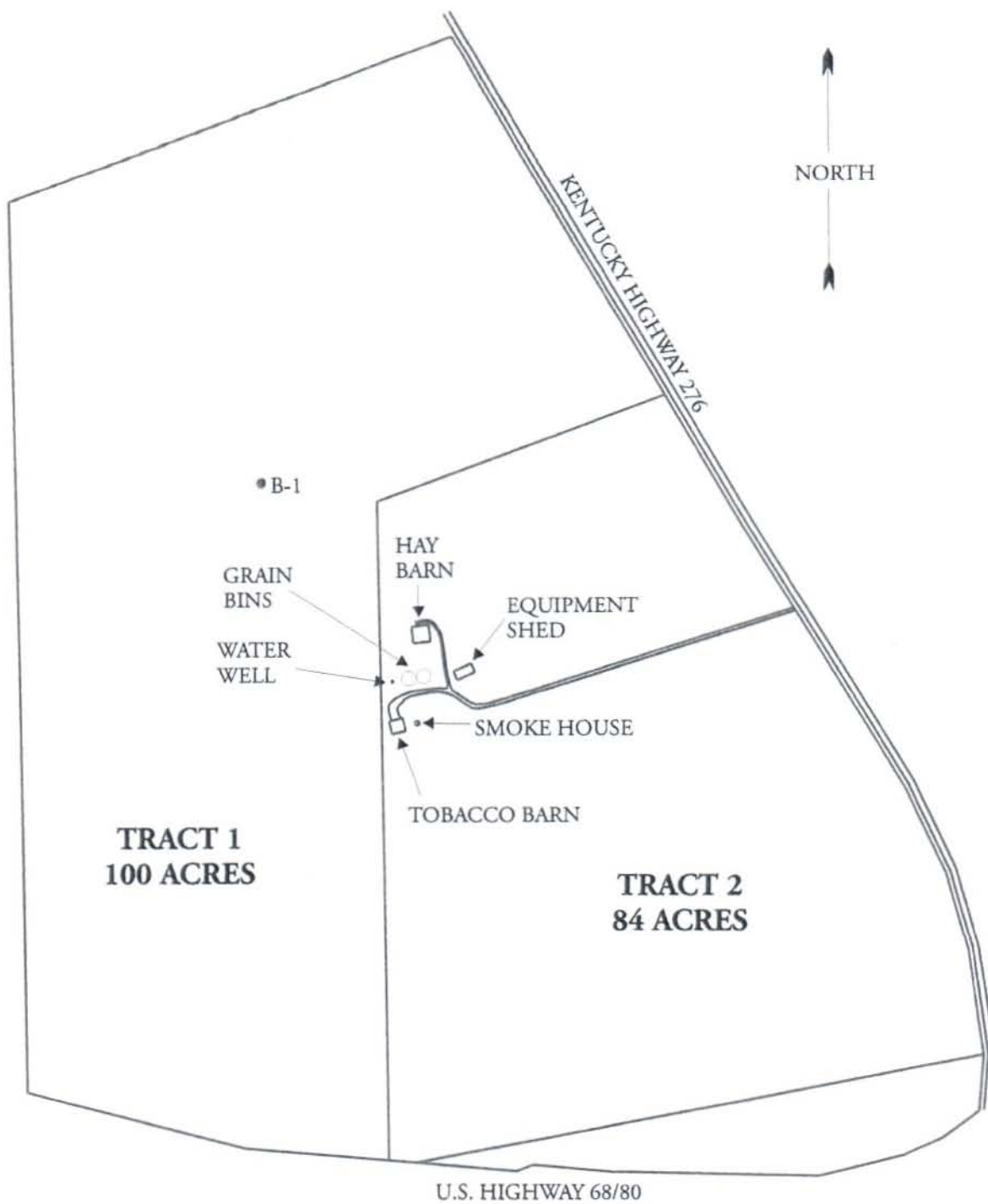
U.S. Geological Survey, 1967, Cobb Quadrangle, Kentucky, 7.5 Minute Series Topographic Map, Scale 1:24,000.

U.S. Geological Survey, 1983, Cobb Quadrangle, Kentucky, 7.5 Minute Series Topographic Map, Scale 1:24,000.

U.S. Geological Survey, 1968, Geologic Map of the Cobb Quadrangle, Kentucky: U.S. Geological Survey Quadrangle Map GQ-710.

U.S. Geological Survey, 1968, Geologic Map of the Gracey Quadrangle, Kentucky: U.S. Geological Survey Quadrangle Map GQ-753.

APPENDIX A
PROPERTY PLAT



Prepared By
Environmental Consultants, Inc.
Hopkinsville, Kentucky

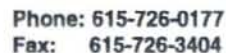


PLAT MAP

Prepared For
Trigg County
Industrial Development
Authority
Cadiz, Kentucky 42211

APPENDIX B

**LABORATORY RESULTS
AND
CHAIN OF CUSTODY**



To assist us in using the proper analytical methods,
is this work being conducted for regulatory purposes?
Compliance Monitoring

Client #: 5457

Address: 907 243

City/State/Zip Code: HOPKINSVILLE KY 40249

Project Manager: JEFF MASON

Telephone Number: 270-824-2630

Fax: 4.92708352187

Sampler Name: (Print Name) James Neftzinger

Sampler Signature: James Ashwin

Project Name: Terra Co. Industrial Park #3

Project #: 202103

Site/Location ID: _____ State: KY

Report To: Jeff Major

Invoice To:

Quote #: PO#:

[illegible]

TestAmerica

INCORPORATED

3/13/02

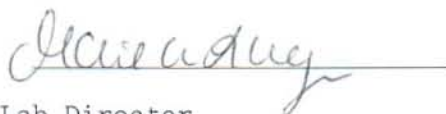
ENVIRONMENTAL CONSULTANTS INC. 5457
JEFF MAJOR
P.O. BOX 742
HOPKINSVILLE, KY 42241

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project #202103 TRIGG CO. INDUSTRIAL PARK. The Laboratory Project number is 274653. An executed copy of the chain of custody and the sample receipt form are also included as an addendum to this report.

Sample Identification	Lab Number	Page 1 Collection Date
SINKHOLE B-1	02-A35147	3/ 4/02

These results relate only to the items tested.
This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By:



Report Date: 3/13/02

Paul E. Lane, Jr., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Jennifer P. Flynn, Technical Services

Gail A. Lage, Technical Serv.
Glenn L. Norton, Technical Serv.
Kelly S. Comstock, Technical Serv.
Pamela A. Langford, Technical Serv.

Laboratory Certification Number: 90038

ANALYTICAL REPORT

ENVIRONMENTAL CONSULTANTS INC. 5457
JEFF MAJOR
P.O. BOX 742
HOPKINSVILLE, KY 42241

Lab Number: 02-A35147
Sample ID: SINKHOLE B-1
Sample Type: Soil
Site ID:

Project: #202103
Project Name: TRIGG CO. INDUSTRIAL PARK
Sampler: JIM NOFFSINGER

Date Collected: 3/ 4/02
Time Collected: 14:40
Date Received: 3/ 7/02
Time Received: 10:25
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	ND	mg/kg	0.0050	1	3/12/02	8:05	D. Otero	8021B	4046
Ethylbenzene	ND	mg/kg	0.0050	1	3/12/02	8:05	D. Otero	8021B	4046
Toluene	ND	mg/kg	0.0050	1	3/12/02	8:05	D. Otero	8021B	4046
Xylenes, total	ND	mg/kg	0.0050	1	3/12/02	8:05	D. Otero	8021B	4046
Naphthalene	ND	mg/kg	0.132	1	3/13/02	11:06	LMcDaniel	8270C	6434
Acenaphthene	ND	mg/kg	0.132	1	3/13/02	11:06	LMcDaniel	8270C	6434
Anthracene	ND	mg/kg	0.132	1	3/13/02	11:06	LMcDaniel	8270C	6434
Fluoranthene	ND	mg/kg	0.132	1	3/13/02	11:06	LMcDaniel	8270C	6434
Fluorene	ND	mg/kg	0.132	1	3/13/02	11:06	LMcDaniel	8270C	6434
Pyrene	ND	mg/kg	0.132	1	3/13/02	11:06	LMcDaniel	8270C	6434
Benzo(a)anthracene	ND	mg/kg	0.132	1	3/13/02	11:06	LMcDaniel	8270C	6434
Benzo(a)pyrene	ND	mg/kg	0.132	1	3/13/02	11:06	LMcDaniel	8270C	6434
Benzo(b)fluoranthene	ND	mg/kg	0.132	1	3/13/02	11:06	LMcDaniel	8270C	6434
Benzo(k)fluoranthene	ND	mg/kg	0.132	1	3/13/02	11:06	LMcDaniel	8270C	6434
Chrysene	ND	mg/kg	0.132	1	3/13/02	11:06	LMcDaniel	8270C	6434
Dibenzo(a,h)anthracene	ND	mg/kg	0.132	1	3/13/02	11:06	LMcDaniel	8270C	6434
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.132	1	3/13/02	11:06	LMcDaniel	8270C	6434
Acenaphthylene	ND	mg/kg	0.132	1	3/13/02	11:06	LMcDaniel	8270C	6434
Benzo(g,h,i)perylene	ND	mg/kg	0.132	1	3/13/02	11:06	LMcDaniel	8270C	6434
Phenanthrene	ND	mg/kg	0.132	1	3/13/02	11:06	LMcDaniel	8270C	6434
PESTICIDE/PCB's/HERBICIDES									
Aroclor 1016	ND	mg/kg	0.0200	1	3/ 9/02	21:00	Carmichael	8082	5617
Aroclor 1221	ND	mg/kg	0.0200	1	3/ 9/02	21:00	Carmichael	8082	5617
Aroclor 1232	ND	mg/kg	0.0200	1	3/ 9/02	21:00	Carmichael	8082	5617

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A35147
 Sample ID: SINKHOLE B-1
 Project: #202103
 Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Aroclor 1242	ND	mg/kg	0.0200	1	3/ 9/02	21:00	Carmichael	8082	5617
Aroclor 1248	ND	mg/kg	0.0200	1	3/ 9/02	21:00	Carmichael	8082	5617
Aroclor 1254	ND	mg/kg	0.0200	1	3/ 9/02	21:00	Carmichael	8082	5617
Aroclor 1260	ND	mg/kg	0.0200	1	3/ 9/02	21:00	Carmichael	8082	5617
METALS									
Arsenic	6.18	mg/kg	0.965	1	3/ 8/02	20:27	Rob Hunt	6010B	4122
Barium	205.	mg/kg	0.965	1	3/ 8/02	20:27	Rob Hunt	6010B	4122
Cadmium	ND	mg/kg	0.965	1	3/ 8/02	20:27	Rob Hunt	6010B	4122
Chromium	18.9	mg/kg	0.965	1	3/ 8/02	20:27	Rob Hunt	6010B	4122
Lead	10.8	mg/kg	0.965	1	3/ 8/02	20:27	Rob Hunt	6010B	4122
Mercury	ND	mg/kg	0.099	1	3/ 9/02	13:33	W. Choate	7471A	4293
Selenium	1.54	mg/kg	0.965	1	3/ 8/02	20:27	Rob Hunt	6010B	4122
Silver	ND	mg/kg	0.965	1	3/ 8/02	20:27	Rob Hunt	6010B	4122

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
BNA's	29.9 gm	1.0 ml	3/11/02		D.Yeager	3550
PCB's	30.0 gm	10.0 ml	3/ 9/02		D.Yeager	3550

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	98.	65. - 135.
BNA Surr-Nitrobenzene-d5	62.	15. - 126.
BNA Surr-2-Fluorobiphenyl	66.	22. - 119.
BNA Surr-Terphenyl-d14	77.	25. - 147.
pcb surr-TCMX	76.	49. - 132.
8082 Surr DCB,s	124. #	10. - 110.

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A35147
Sample ID: SINKHOLE B-1
Project: #202103
Page 3

LABORATORY COMMENTS:

ND - Not detected at the report limit.

- Recovery outside Laboratory historical or method prescribed limits.

All results reported on a wet weight basis.

End of Sample Report.

PROJECT QUALITY CONTROL DATA

Project Number: #202103

Page: 1

Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
UST ANALYSIS								
Benzene	mg/kg	< 0.0010	0.0464	0.0500	93	77. - 131.	4046	blank
Toluene	mg/kg	< 0.0010	0.0433	0.0500	87	71. - 121.	4046	blank
Ethylbenzene	mg/kg	< 0.0010	0.0440	0.0500	88	73. - 129.	4046	blank
Xylenes, total	mg/kg	< 0.0010	0.0846	0.100	85	68. - 128.	4046	blank

Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
METALS								
Arsenic	mg/kg	< 1.002	18.489	20.000	92	80 - 120	4122	Duplicate
Barium	mg/kg	64.529	469.185	400.000	101	80 - 120	4122	Duplicate
Cadmium	mg/kg	< 1.002	18.290	20.000	91	80 - 120	4122	Duplicate
Chromium	mg/kg	7.816	42.545	40.000	87	80 - 120	4122	Duplicate
Lead	mg/kg	1.603	94.036	100.000	92	80 - 120	4122	Duplicate
Mercury	mg/kg	< 0.099	0.188	0.170	111	80 - 120	4293	02-A35147
Selenium	mg/kg	< 1.002	18.489	20.000	92	80 - 120	4122	Duplicate
Silver	mg/kg	< 1.002	5.169	10.000	52#	80 - 120	4122	Duplicate

Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
MISC PARAMETERS								
Aroclor 1016	mg/kg	< 0.0200	0.1655	0.1667	99	40 - 140	5617	02-A35147
Aroclor 1260	mg/kg	< 0.0200	0.1802	0.1667	108	40 - 140	5617	02-A35147

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: #202103
Page: 2

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
UST PARAMETERS						
Benzene	mg/kg	0.0464	0.0500	7.47	17.	4046
Toluene	mg/kg	0.0433	0.0467	7.56	17.	4046
Ethylbenzene	mg/kg	0.0440	0.0469	6.38	17.	4046
Xylenes, total	mg/kg	0.0846	0.0899	6.07	14.	4046
Naphthalene	mg/kg	0.990	1.16	15.81	41.	6434
Acenaphthene	mg/kg	1.19	1.29	8.06	38.	6434
Anthracene	mg/kg	1.32	1.32	0.00	37.	6434
Fluoranthene	mg/kg	1.39	1.39	0.00	43.	6434
Fluorene	mg/kg	1.25	1.32	5.45	37.	6434
Pyrene	mg/kg	1.19	1.22	2.49	43.	6434
Benzo(a)anthracene	mg/kg	1.35	1.39	2.92	40.	6434
Benzo(a)pyrene	mg/kg	1.32	1.32	0.00	42.	6434
Benzo(b)fluoranthene	mg/kg	1.19	1.19	0.00	45.	6434
Benzo(k)fluoranthene	mg/kg	1.19	1.22	2.49	39.	6434
Chrysene	mg/kg	1.39	1.42	2.14	39.	6434
Dibenzo(a,h)anthracene	mg/kg	1.91	1.88	1.58	44.	6434
Indeno(1,2,3-cd)pyrene	mg/kg	1.68	1.55	8.05	45.	6434
Acenaphthylene	mg/kg	1.19	1.29	8.06	39.	6434
Benzo(g,h,i)perylene	mg/kg	2.14	2.08	2.84	48.	6434
Phenanthrene	mg/kg	1.32	1.29	2.30	41.	6434

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
METALS						
Arsenic	mg/kg	18.489	19.920	7.45	20	4122
Barium	mg/kg	469.185	472.111	0.62	20	4122
Cadmium	mg/kg	18.290	18.725	2.35	20	4122
Chromium	mg/kg	42.545	43.227	1.59	20	4122

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: #202103
Page: 3

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
Lead	mg/kg	94.036	94.821	0.83	20	4122
Mercury	mg/kg	0.188	0.182	3.24	20	4293
Selenium	mg/kg	18.489	18.725	1.27	20	4122
Silver	mg/kg	5.169	5.777	11.11	20	4122

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
MISC PARAMETERS						
Aroclor 1016	mg/kg	0.1655	0.0376	125.95#	50	5617
Aroclor 1260	mg/kg	0.1802	0.0709	87.06#	50	5617

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
UST PARAMETERS						
Benzene	mg/kg	0.100	0.0996	100	77 - 131	4046
Toluene	mg/kg	0.100	0.0950	95	75 - 118	4046
Ethylbenzene	mg/kg	0.100	0.0972	97	74 - 126	4046
Xylenes, total	mg/kg	0.200	0.193	96	71 - 125	4046
Naphthalene	mg/kg	1.67	1.25	75	51 - 118	6434
Acenaphthene	mg/kg	1.67	1.32	79	50 - 115	6434
Anthracene	mg/kg	1.67	1.42	85	53 - 121	6434
Fluoranthene	mg/kg	1.67	1.48	89	53 - 127	6434
Fluorene	mg/kg	1.67	1.35	81	51 - 124	6434
Pyrene	mg/kg	1.67	1.29	77	51 - 129	6434
Benzo(a)anthracene	mg/kg	1.67	1.45	87	53 - 125	6434
Benzo(a)pyrene	mg/kg	1.67	1.42	85	53 - 128	6434
Benzo(b)fluoranthene	mg/kg	1.67	1.32	79	43 - 134	6434

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: #202103
Page: 4

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Benzo(k)fluoranthene	mg/kg	1.67	1.29	77	52 - 129	6434
Chrysene	mg/kg	1.67	1.48	89	53 - 129	6434
Dibenzo(a,h)anthracene	mg/kg	1.67	1.98	119	35 - 139	6434
Indeno(1,2,3-cd)pyrene	mg/kg	1.67	1.72	103	31 - 142	6434
Acenaphthylene	mg/kg	1.67	1.32	79	50 - 120	6434
Benzo(g,h,i)perylene	mg/kg	1.67	2.18	131	27 - 145	6434
Phenanthrene	mg/kg	1.67	1.39	83	52 - 125	6434

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
PEST/PCB/HERB PARAMETERS						
Aroclor 1016	mg/kg	0.1667	0.1642	99	63 - 176	5617
Aroclor 1260	mg/kg	0.1667	0.1891	113	66 - 168	5617

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
METALS						
Arsenic	mg/kg	20.000	21.600	108	75 - 125	4122
Barium	mg/kg	400.000	408.000	102	75 - 125	4122
Cadmium	mg/kg	20.000	20.600	103	75 - 125	4122
Chromium	mg/kg	40.000	39.200	98	75 - 125	4122
Lead	mg/kg	100.000	100.200	100	75 - 125	4122
Mercury	mg/kg	0.170	0.182	107	80 - 120	4293
Selenium	mg/kg	20.000	19.600	98	80 - 120	4122
Silver	mg/kg	10.000	11.000	110	75 - 125	4122

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: #202103

Page: 5

Continuing Calibration Verification

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
---------	-------	------------	--------------	------------	--------------	------------

METALS

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
---------	-------------	-------	------------	---------------	---------------

UST PARAMETERS

Benzene	< 0.0010	mg/kg	4046	3/12/02	0:41
Toluene	< 0.0010	mg/kg	4046	3/12/02	0:41
Ethylbenzene	< 0.0010	mg/kg	4046	3/12/02	0:41
Xylenes, total	< 0.0010	mg/kg	4046	3/12/02	0:41
Naphthalene	< 0.165	mg/kg	6434	3/12/02	10:42
Acenaphthene	< 0.165	mg/kg	6434	3/12/02	10:42
Anthracene	< 0.165	mg/kg	6434	3/12/02	10:42
Fluoranthene	< 0.165	mg/kg	6434	3/12/02	10:42
Fluorene	< 0.165	mg/kg	6434	3/12/02	10:42
Pyrene	< 0.165	mg/kg	6434	3/12/02	10:42
Benzo(a)anthracene	< 0.165	mg/kg	6434	3/12/02	10:42
Benzo(a)pyrene	< 0.165	mg/kg	6434	3/12/02	10:42
Benzo(b)fluoranthene	< 0.165	mg/kg	6434	3/12/02	10:42
Benzo(k)fluoranthene	< 0.165	mg/kg	6434	3/12/02	10:42
Chrysene	< 0.165	mg/kg	6434	3/12/02	10:42
Dibenzo(a,h)anthracene	< 0.165	mg/kg	6434	3/12/02	10:42
Indeno(1,2,3-cd)pyrene	< 0.165	mg/kg	6434	3/12/02	10:42
Acenaphthylene	< 0.165	mg/kg	6434	3/12/02	10:42
Benzo(g,h,i)perylene	< 0.165	mg/kg	6434	3/12/02	10:42
Phenanthrene	< 0.165	mg/kg	6434	3/12/02	10:42

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: #202103
Page: 6

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
-----	-----	-----	-----	-----	-----
UST PARAMETERS					
UST surr-Trifluorotoluene	97.	% Recovery	4046	3/12/02	0:41

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
-----	-----	-----	-----	-----	-----
PEST/PCB/HERB PARAMETERS					
Aroclor 1016	< 0.0200	mg/kg	5617	3/ 9/02	18:16
Aroclor 1221	< 0.0200	mg/kg	5617	3/ 9/02	18:16
Aroclor 1232	< 0.0200	mg/kg	5617	3/ 9/02	18:16
Aroclor 1242	< 0.0200	mg/kg	5617	3/ 9/02	18:16
Aroclor 1248	< 0.0200	mg/kg	5617	3/ 9/02	18:16
Aroclor 1254	< 0.0200	mg/kg	5617	3/ 9/02	18:16
Aroclor 1260	< 0.0200	mg/kg	5617	3/ 9/02	18:16
pcb surr-TCMX	90.	% Rec	5617	3/ 9/02	18:16
8082 Surr DCB,s	128.	% Rec	5617	3/ 9/02	18:16

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
-----	-----	-----	-----	-----	-----
METALS					
Arsenic	< 178.000	mg/kg	4122	3/ 8/02	20:27
Barium	< 46.000	mg/kg	4122	3/ 8/02	20:27
Cadmium	< 44.000	mg/kg	4122	3/ 8/02	20:27
Chromium	< 56.000	mg/kg	4122	3/ 8/02	20:27
Lead	< 190.000	mg/kg	4122	3/ 8/02	20:27
Mercury	< 0.100	mg/kg	4293	3/ 9/02	13:33
Selenium	< 184.000	mg/kg	4122	3/ 8/02	20:27

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: #202103
Page: 7

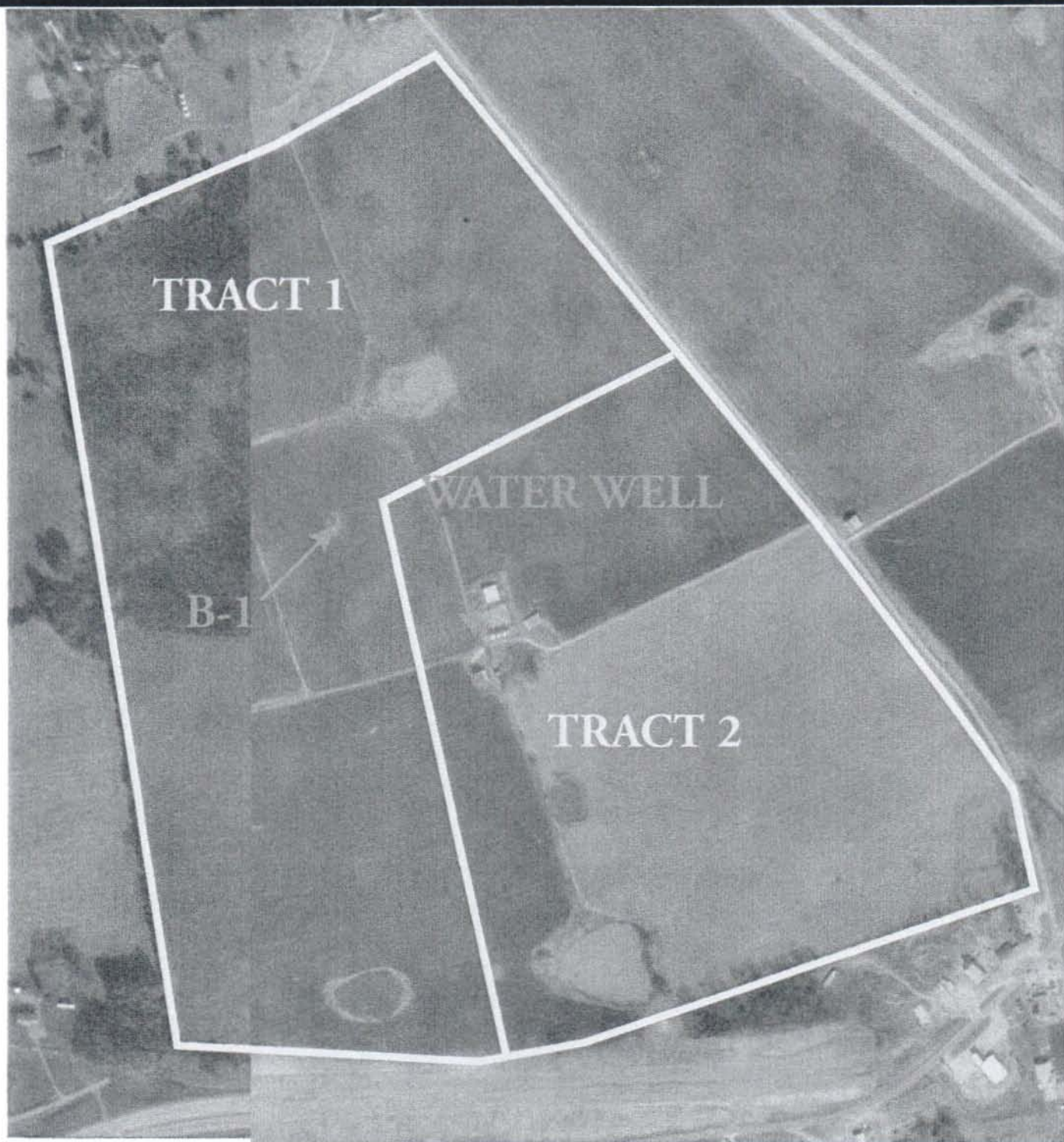
Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Silver	< 38.000	mg/kg	4122	3/ 8/02	20:27

- Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 274653

APPENDIX C
AERIAL PHOTOGRAPH



Prepared By
Environmental Consultants, Inc.
Hopkinsville, Kentucky

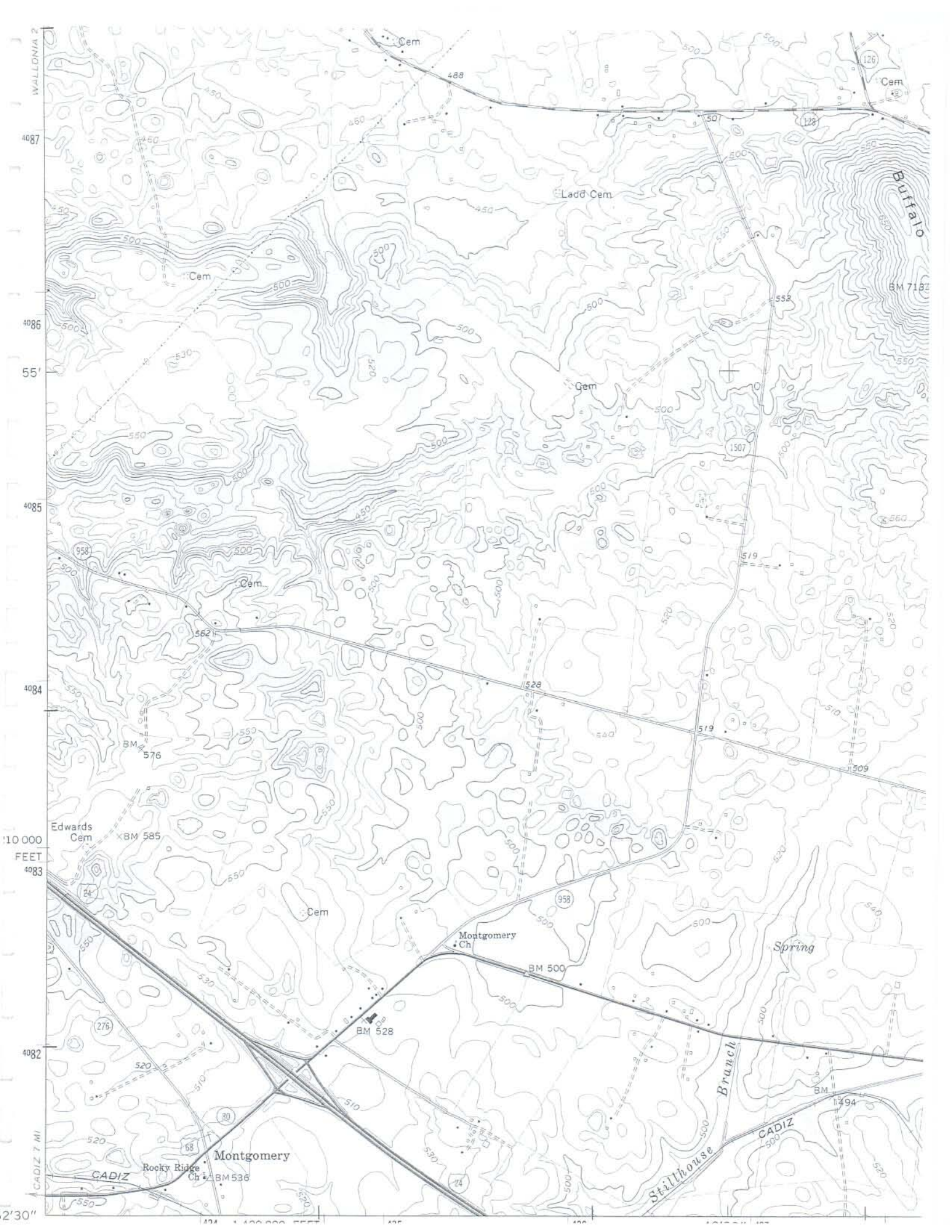


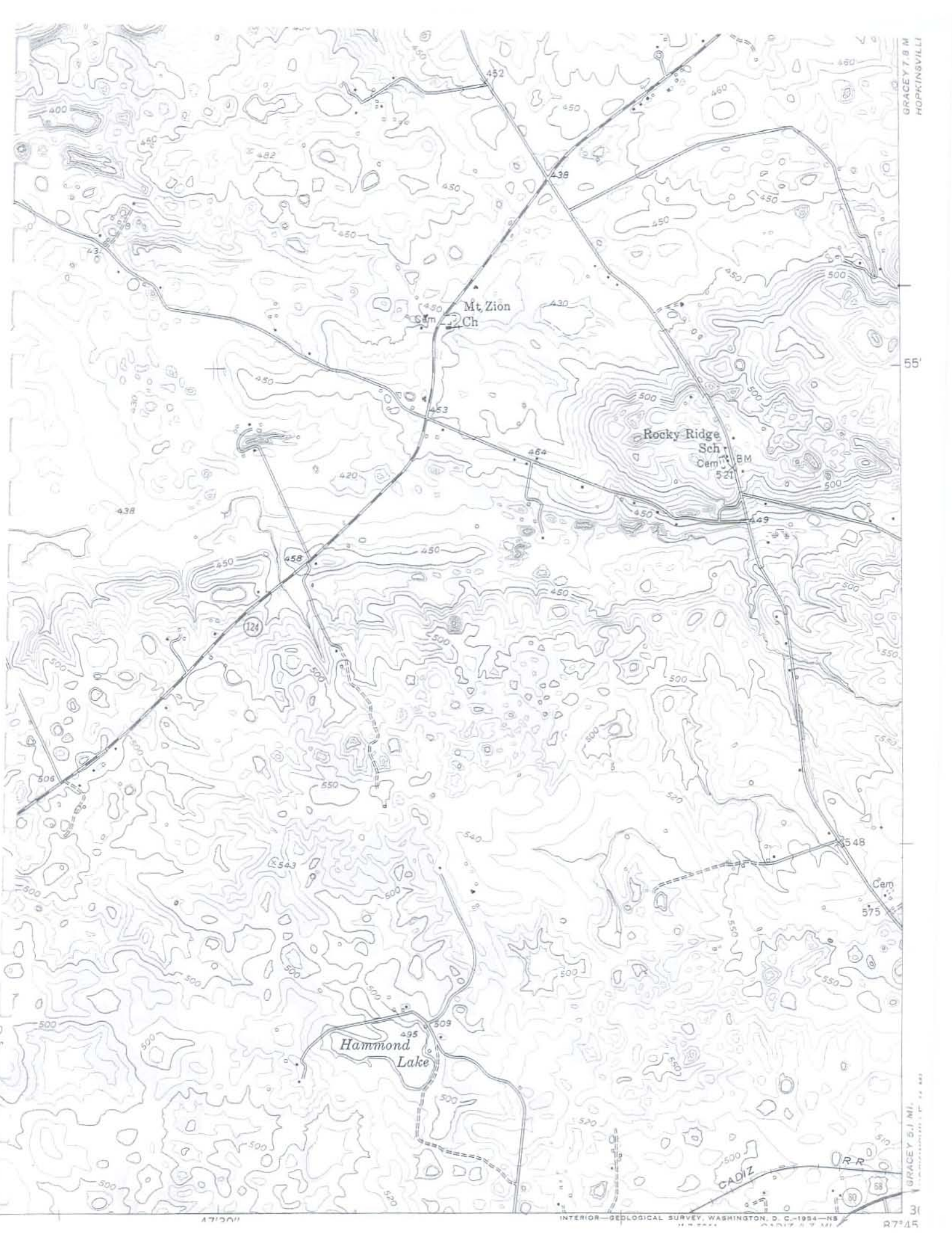
**AERIAL PHOTOGRAPH
WITH
SITE MAP
OVERLAY**

Prepared For
Trigg county
Industrial Development
Authority
Cadiz, Kentucky 42211

APPENDIX D
HISTORIC TOPOGRAPHIC MAPS





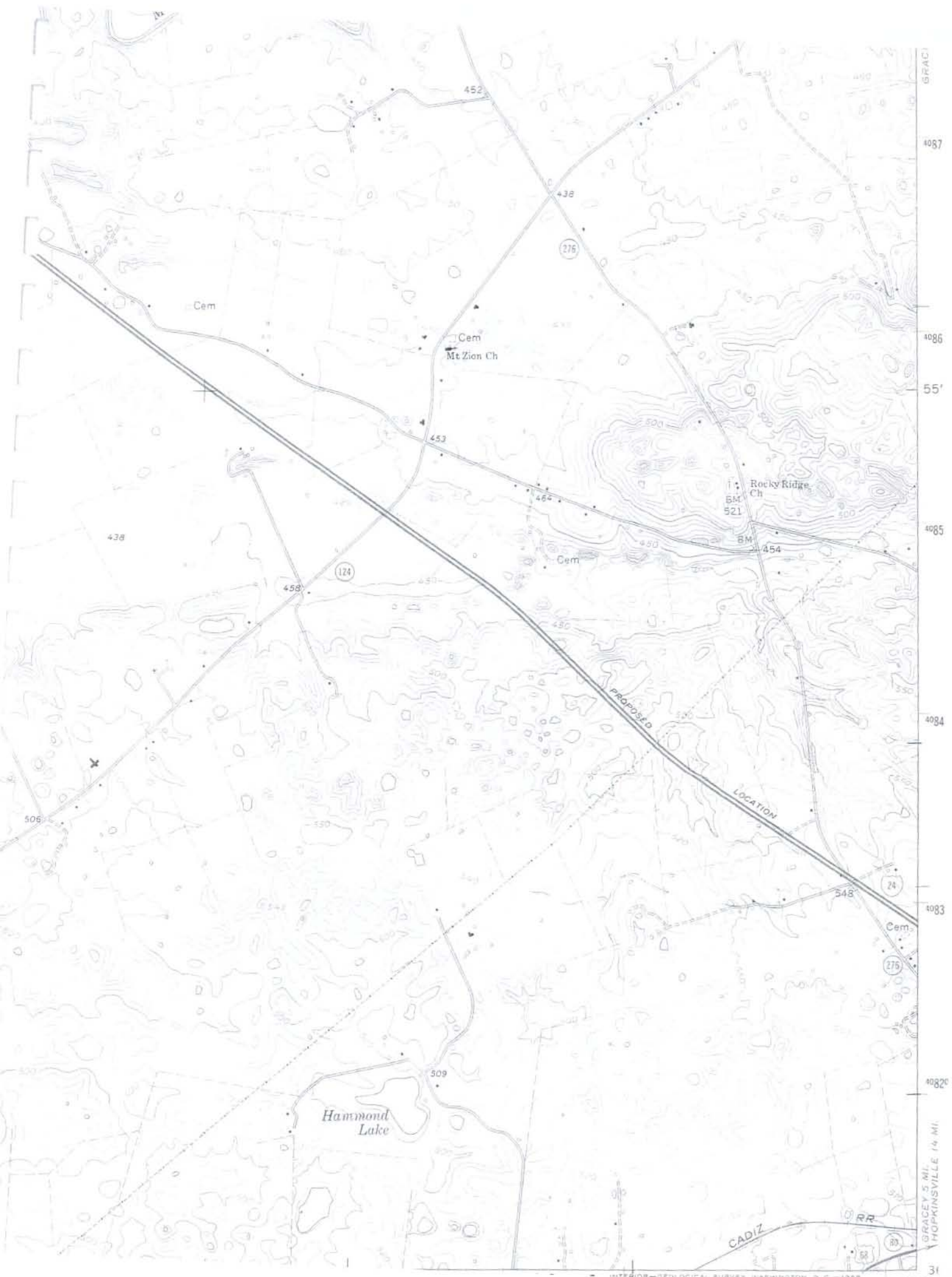


GRACEY 7.8 M.
HOPKINSVILLE

55'

GRACEY 5.1 MI.
CADIZ 5.7 MI.

31
R7°45'





APPENDIX E

ENVIRONMENTAL SCREENING INSPECTION



UNIFORM ENVIRONMENTAL ASSESSMENT REPORT

Small Commercial

INSPECTION DATA

Property Address U.S. Highway 68 and KY Highway 276

City Cadiz County Trigg State KY Zip 42211

Legal Description Tract 1-100 ac, Tract 2-84 ac

Property is ☒ Vacant; ☒ Improved; ☐ Occupied, by Whom _____

Prepared For Cad-Trigg County Industrial Development Authority

Environmental Inspector Jeffrey D. Major Date 02/2002

Company Address Environmental Consultants, Inc. P.O. Box 742 Hopkinsville, KY 42241-0742

Phone 270.886.6060 Fax 270.886.2187 E-mail jmajor@wedrill.com

PROPERTY DESCRIPTION AND ANALYSIS

Current Use of Property ☐ Residential; ☐ Commercial; ☐ Industrial; ☐ Undeveloped Land; ☒ Agricultural;
☐ Other (describe) _____

Past Use of Property ☐ Residential; ☐ Commercial; ☐ Industrial; ☐ Undeveloped Land; ☒ Agricultural,
☐ Unknown; ☐ Other (describe) _____

Past Tenants Business 1. Agriculture Time at Location 1. _____
2. _____ 2. _____
3. _____ 3. _____

Current Tenants Business 1. Agriculture Time at Location 1. _____
2. _____ 2. _____
3. _____ 3. _____

Comments: The subject site has been utilized solely and historically for agricultural purposes.

GENERAL FIELD OBSERVATION

SUBJECT PROPERTY

Were there any physical signs of the following observed on the property. Check for "Yes"

- | | | |
|---|---|---|
| <input checked="" type="checkbox"/> Underground Storage Tanks | <input type="checkbox"/> Storage Building | <input type="checkbox"/> Above Ground Tanks |
| <input type="checkbox"/> Discarded Batteries | <input type="checkbox"/> Vegetation Damage | <input type="checkbox"/> Oil/Gas Drums |
| <input type="checkbox"/> Suspected Lead Hazard | <input checked="" type="checkbox"/> Streams, Lakes or Ponds | <input type="checkbox"/> Suspected Asbestos |
| <input type="checkbox"/> Stained Soil | <input type="checkbox"/> Monitoring Wells | <input type="checkbox"/> Waste Sites |
| <input type="checkbox"/> Electronic Magnetic Field Potential | <input checked="" type="checkbox"/> Other (see comments) | |

Comments Former UST located on Tract 2; Water well located on Tract 2; old car located in sinkhole on Tract 1

GENERAL FIELD OBSERVATION

ADJACENT PROPERTY

Were there any physical signs of the following observed on the property. Check for "Yes"

- | | | |
|--|--|---|
| <input type="checkbox"/> Underground Storage Tanks | <input type="checkbox"/> Storage Building | <input type="checkbox"/> Above Ground Tanks |
| <input type="checkbox"/> Discarded Batteries | <input type="checkbox"/> Vegetation Damage | <input type="checkbox"/> Oil/Gas Drums |
| <input type="checkbox"/> Suspected Lead Hazard | <input type="checkbox"/> Streams, Lakes or Ponds | <input type="checkbox"/> Suspected Asbestos |
| <input type="checkbox"/> Stained Soil | <input type="checkbox"/> Monitoring Wells | <input type="checkbox"/> Waste Sites |
| <input type="checkbox"/> Electronic Magnetic Field Potential | <input type="checkbox"/> Other (see comments) | |

Comments n/a

GENERAL FIELD OBSERVATION

Storage Facilities

- ☐ Yes ☒ No ☐ Unknown Are buildings or rooms observed that may contain or have contained hazardous materials for storage purposes?
- ☐ Yes ☒ No ☐ Unknown Is there any indication that hazardous waste or materials are or have been stored on the property?

Comments _____

Underground Storage Tanks (UST's)

- ☒ Yes ☐ No ☐ Unknown Is there any evidence of Below Ground Storage Tanks on the property?
- ☐ Yes ☒ No ☐ Unknown Is there evidence of soil or groundwater contamination observed on the property?
- ☒ Yes ☐ No ☐ Unknown Are any chemical manufacturing plants, gas stations, petroleum delivery/storage facilities or similar operations observed on surrounding properties?

Comments Former UST on Tract 2 for farm fuel; Active and Former UST sites within 1 miles radius.

Above Ground Storage Tanks (AST's)

- ☐ Yes ☒ No ☐ Unknown Are there Above Ground Storage Tanks on the property?

Comments _____

Waste Sites

- ☐ Yes ☒ No ☐ Unknown Is there evidence that the subject property or neighboring properties have engaged in storing, transporting or producing waste, chemicals or hazardous substances?

Comments _____

WATER INSPECTION

Drinking Water

- ☒ Yes ☐ No ☐ Unknown Is there any evidence of water wells, in use or abandoned, on the property?
- ☐ Yes ☒ No ☐ Unknown If yes, are these wells the primary or sole source of drinking water?
- ☒ Yes ☐ No ☐ Unknown Is there any evidence of pits, ponds or lagoons or any other standing water visible on the property?

Comments There is an existing water well located on Tract 2; city water is now available to the site; there are farm ponds on the properties.

DRAINS

- ☐ Yes ☒ No ☐ Unknown Are drains present in work areas that could be used for cleaning or flushing machinery or equipment?
- ☐ Yes ☒ No ☐ Unknown Are the drains full?

Comments N/A

CHEMICAL, GAS & MINERAL INSPECTION

Asbestos

- ☐ Yes ☒ No ☐ Unknown Is there evidence of asbestos on the property?
- ☐ Yes ☐ No ☐ Unknown If any asbestos is observed, does it appear friable?
- ☐ Yes ☒ No ☐ Unknown Are suspected asbestos containing materials observed, such as sprayed materials on fireproofing areas, pipe insulation, floor tile, etc.?

Comments _____

Urea Formaldehyde Foam Insulation (UFFI)

- ☐ Yes ☒ No ☐ Unknown Is there evidence of Urea Formaldehyde Foam Insulation or other Formaldehyde containing products on the property?

Comments _____

Lead Hazard

- ☐ Yes ☒ No ☐ Unknown Is there visible evidence of peeling, cracking or flaking paint?
- ☐ Yes ☒ No ☐ Unknown Was any evidence of lead containing potable water supply pipes visible on the property?

Comments _____

Pesticides/Herbicides

☐ Yes ☒ No ☐ Unknown Does it appear pesticides or herbicides have been stored or used in excess of normal use?

☒ Yes ☐ No ☐ Unknown Has the property been used for agricultural purposes in the past ten (10) years?

☐ Yes ☒ No ☐ Unknown Are there any noticeable pesticide odors?

☐ Yes ☒ No ☐ Unknown Are there noticeable signs of straining or stressed vegetation?

Comments

~~Although the property is currently and has been historically solely utilized for agricultural purposes, there was no evidence discovered indicative of excess use of pesticides or herbicides.~~

Fiberglass

☐ Yes ☒ No ☐ Unknown Is Fiberglass observed as an insulator or for any other purpose?

☐ Yes ☒ No ☐ Unknown Is Fiberglass observed on any surface that appears worn, where individual fibers are exposed in a condition where release into the air appears likely?

Note: Fiberglass is not currently listed as a hazardous material, however, recent studies indicate that it may constitute a human health hazard. Its presence on a property does not currently require removal or encapsulation.

Comments

Polychlorinated Biphenyl (PCB's)

☐ Yes ☒ No ☐ Unknown Are any transformers, electrical devices or hydraulic equipment observed on the property labeled as containing PCB's?

☐ Yes ☒ No ☐ Unknown Is there evidence of oil leakage from any machinery or devices that may contain PCB's?

☐ Yes ☒ No ☐ Unknown Is there evidence of PCB contamination to the soil or groundwater observed on the property?

Comments

~~One pole-mounted transformer is located on Tract 2. There is no label as to the PCB content of the transformer. The transformer is the property of Pennyrite Rural Electric.~~

Radon

☐ Yes ☒ No ☐ Unknown Is there reason to suspect that radon may be a problem in the intermediate property's location?

☐ Yes ☒ No ☐ Unknown Has radon screening been conducted which indicates that the property may have elevated levels for radon?

Comments

GENERAL

☐ Yes ☒ No ☐ Unknown Are there any conditions present not previously mentioned that need to be evaluated for any potential environmental risk?

☐ Yes ☒ No ☐ Unknown Are there any activities of adjacent properties that may pose potential environmental risks to the subject property?

Comments _____

SUMMARY & CONCLUSION OF INSPECTION

Suggest Phase II Environmental Audit: ☒ Yes ☐ No

☒ Underground Storage Tanks (UST's)

☐ Urea Formaldehyde Foam Insulation (UFFI)

☐ Above Ground Storage Tanks (AST's)

☐ Lead Hazard

☐ Waste Sites

☐ Pesticides/Herbicides

☐ Drinking Water

☐ Polychlorinated Biphenyl (PCB's)

☐ Asbestos

☐ Radon

☒ Other (See Comments)

Comments It is recommended to drill one boring at the sinkhole where the junk car is located. Analyze one composite soil sample for BTEX, PAH, PCB's, and Total Metals (RCRA 8). Based on the laboratory results, a recommendation will be determined. It is also recommended that prior to acquiring Tract 2 that one boring be advanced at the former UST pit, and be sampled for BTEX, PAH, and Total Lead.

I certify that to the best of my knowledge and belief the facts and data used in this inspection are true and accurate, based on the available information as of the inspection date and in accordance with ASTM Guidelines, E 1527-93, Phase I Environmental Site Assessment Process and E 1528-93, Transaction Screen Process; I personally inspected the subject property; and I have no undisclosed interest, present or prospective therein.

Addendums are attached and are made a part of this report. _____ # of pages.

Environmental Inspector's Signature _____

Name Jeffrey D. Major, PG

Certified Environmental Inspector # Kentucky Professional Geologist #292 Date 02/20/02

APPENDIX F

RADIAL SEARCH REPORTS
FOR
THE SUBJECT SITE



The EDR Radius Map with GeoCheck[®]

**Trigg County Industrial Property
US Highway 68
Cadiz, KY 42211**

Inquiry Number: 737026.4s

February 20, 2002

The Source For Environmental Risk Management Data

3530 Post Road
Southport, Connecticut 06490

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary.....	ES1
Overview Map.....	2
Detail Map.....	3
Map Findings Summary.....	4
Map Findings.....	5
Orphan Summary.....	6
Government Records Searched/Data Currency Tracking.....	GR-1
 <u>GEOCHECK ADDENDUM</u>	
Physical Setting Source Addendum.....	A-1
Physical Setting Source Summary.....	A-2
Physical Setting Source Map.....	A-6
Physical Setting Source Map Findings.....	A-7
Physical Setting Source Records Searched.....	A-9

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

Disclaimer

Copyright and Trademark Notice

This report contains information obtained from a variety of public and other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL EDR BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES.

Entire contents copyright 2001 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and the edr logos are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-00. Search distances are per ASTM standard or custom distances requested by the user.

TARGET PROPERTY INFORMATION

ADDRESS

US HIGHWAY 68
CADIZ, KY 42211

COORDINATES

Latitude (North):	36.880700 - 36° 52' 50.5"
Longitude (West):	87.747300 - 87° 44' 50.3"
Universal Transverse Mercator:	Zone 16
UTM X (Meters):	433402.3
UTM Y (Meters):	4081696.0

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property:	2436087-H6 GRACEY, KY
Source:	USGS 7.5 min quad index

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 ASTM E 1527-00 search radius around the target property for the following databases:

FEDERAL ASTM STANDARD

NPL.....	National Priority List
Proposed NPL.....	Proposed National Priority List Sites
CERCLIS.....	Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP.....	CERCLIS No Further Remedial Action Planned
CORRACTS.....	Corrective Action Report
RCRIS-TSD.....	Resource Conservation and Recovery Information System
RCRIS-LQG.....	Resource Conservation and Recovery Information System
RCRIS-SQG.....	Resource Conservation and Recovery Information System
ERNS.....	Emergency Response Notification System

STATE ASTM STANDARD

SHWS.....	State Leads List
SWF/LF.....	Solid Waste Facilities List
UST.....	Underground Storage Tank Database

FEDERAL ASTM SUPPLEMENTAL

CONSENT.....	Superfund (CERCLA) Consent Decrees
--------------	------------------------------------

EXECUTIVE SUMMARY

ROD.....	Records Of Decision
Delisted NPL.....	National Priority List Deletions
FINDS.....	Facility Index System/Facility Identification Initiative Program Summary Report
HMIRS.....	Hazardous Materials Information Reporting System
MLTS.....	Material Licensing Tracking System
MINES.....	Mines Master Index File
NPL Liens.....	Federal Superfund Liens
PADS.....	PCB Activity Database System
RAATS.....	RCRA Administrative Action Tracking System
TRIS.....	Toxic Chemical Release Inventory System
TSCA.....	Toxic Substances Control Act
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

SURROUNDING SITES: SEARCH RESULTS

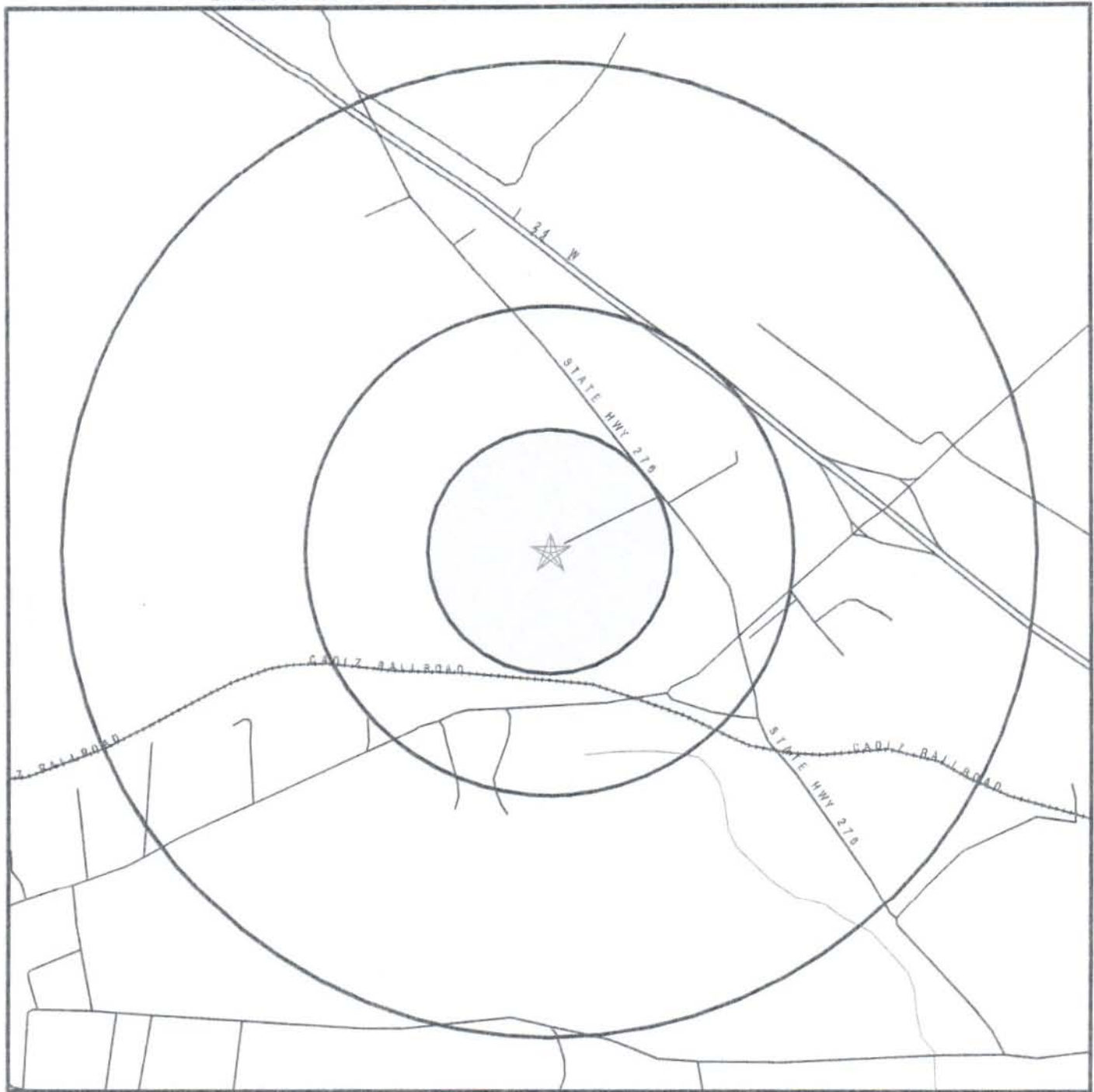
Surrounding sites were not identified.

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

<u>Site Name</u>	<u>Database(s)</u>
TRIGG COUNTY HOSPITAL	FINDS, FTTS
BARKLEY LAKE WATER DISTRICT	SWF/LF
CADIZ DRYWALL CONTRACTORS INC LANDFILL	SWF/LF
J M TOWLER	UST
SMITH D BROADBENT III	UST
EAST CADIZ	UST
TRIGG COUNTY/MAINT GARAGE	UST
MICHAEL L GROSS DMD	UST
JOHN WOODRUFF FARMS	UST
RANDY HUMPHREY	UST
WADES GROCERY	UST
FRANK JOINER	UST
HOOVER UNIVERSAL INC	UST
SCOT MARKET #51	UST
LAKE BARKLEY STATE PARK	UST
B & J CARPET STORE	UST
FARM OFFICE	UST
ALLEN CHIROPRACTIC OFFICE	UST
PHILLIPS SERVICE STATION	UST
AVERITT LUMBER CO CADIZ PLANT	UST
UZZLES SERVICE STATION	UST
CHUCKS REPAIR	UST
WILSONS GROCERY (HOMER)	UST
PENNYRILE R E C C WAREHOUSE	UST
LAKE BARKLEY STATE RESORT PARK	UST
GRACE W R CO	RCRIS-SQG, FINDS
JOHNSON CONTROL HOOVER AUTOMOTIVE	RCRIS-SQG, FINDS
KTC TRIGG CO MAINT GARAGE	FINDS
TRIGG COUNTY LANDFILL	FINDS

OVERVIEW MAP - 737026.4s - Environmental Consultants



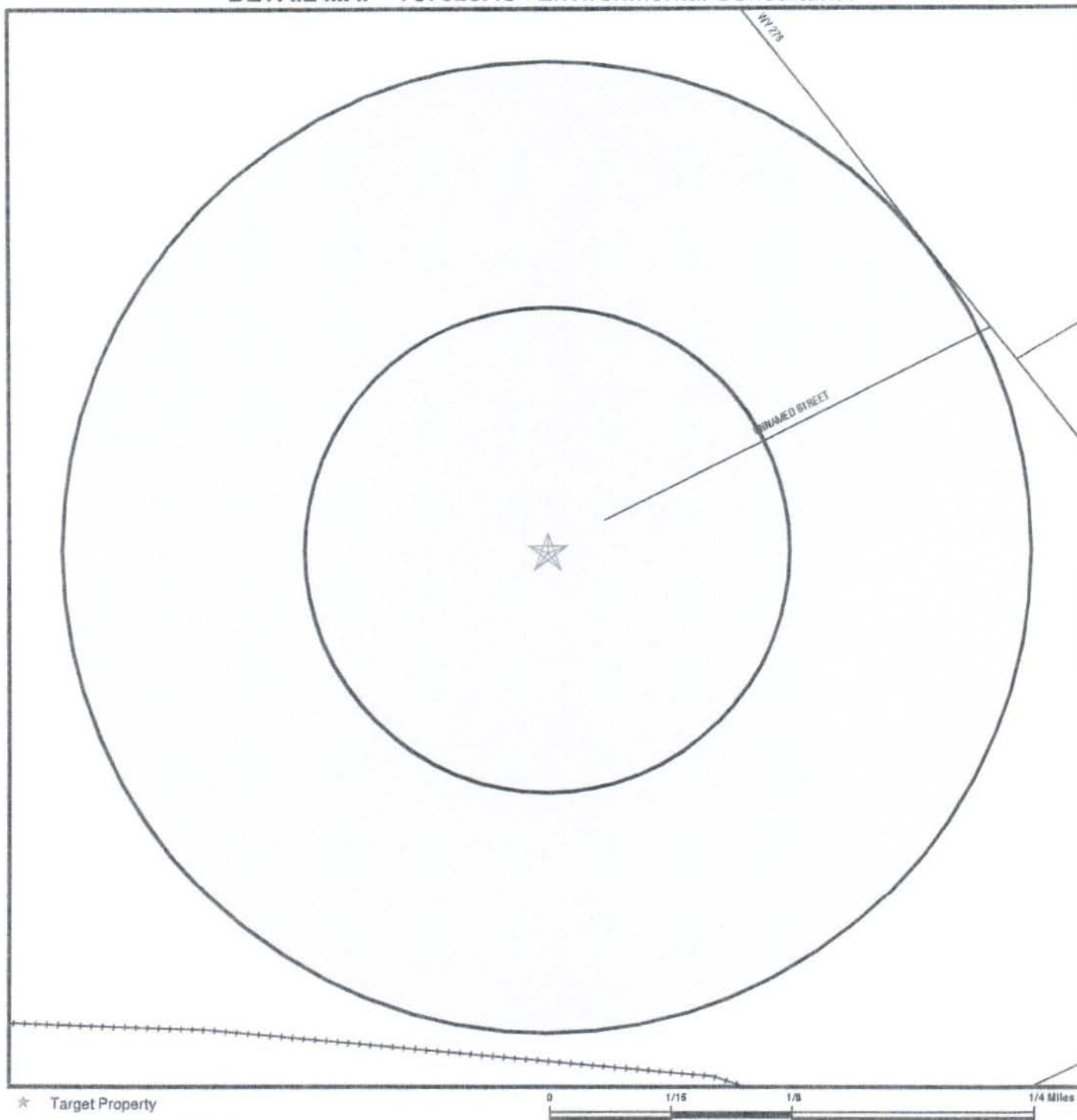
- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Coal Gasification Sites
- National Priority List Sites
- Landfill Sites

- ~ Power transmission lines
- ~ Oil & Gas pipelines
- ▨ 100-year flood zone
- ▨ 500-year flood zone

TARGET PROPERTY: Trigg County Industrial Property
 ADDRESS: US Highway 68
 CITY/STATE/ZIP: Cadiz KY 42211
 LAT/LONG: 36.8807 / 87.7473

CUSTOMER: Environmental Consultants
 CONTACT: Jeffrey D. Major
 INQUIRY #: 737026.4s
 DATE: February 20, 2002 1:20 pm

DETAIL MAP - 737026.4s - Environmental Consultants



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Coal Gasification Sites
- ⚡ Sensitive Receptors
- ▨ National Priority List Sites
- ▨ Landfill Sites

- ⚡ Power transmission lines
- ⚡ Oil & Gas pipelines
- ▨ 100-year flood zone
- ▨ 500-year flood zone



TARGET PROPERTY: Trigg County Industrial Property
 ADDRESS: US Highway 68
 CITY/STATE/ZIP: Cadiz KY 42211
 LAT/LONG: 36.8807 / 87.7473

CUSTOMER: Environmental Consultants
 CONTACT: Jeffrey D. Major
 INQUIRY #: 737026.4s
 DATE: February 20, 2002 1:21 pm

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<u>FEDERAL ASTM STANDARD</u>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.250	0	0	NR	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRIS-TSD		0.500	0	0	0	NR	NR	0
RCRIS Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRIS Sm. Quan. Gen.		0.250	0	0	NR	NR	NR	0
ERNS		TP	NR	NR	NR	NR	NR	0
<u>STATE ASTM STANDARD</u>								
State Haz. Waste		1.000	0	0	0	0	NR	0
State Landfill		0.500	0	0	0	NR	NR	0
UST		0.250	0	0	NR	NR	NR	0
<u>FEDERAL ASTM SUPPLEMENTAL</u>								
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
NPL Liens		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
<u>EDR PROPRIETARY HISTORICAL DATABASES</u>								
Coal Gas		N/A	N/A	N/A	N/A	N/A	N/A	N/A
AQUIFLOW - see EDR Physical Setting Source Addendum								

TP = Target Property

NR = Not Requested at this Search Distance

* Sites may be listed in more than one database

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Coal Gas Site Search: EDR does not presently have coal gas site information available in this state.

NO SITES FOUND

EDR ID Number
EPA ID Number

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)	Facility ID
CADIZ	U001185217	J M TOWLER	RT 1	42211	UST	8463111
CADIZ	U001184228	SMITH D BROADBENT III	RTE 1	42211	UST	6723111
CADIZ	U000805769	EAST CADIZ	ROUTE 1	42211	UST	1509111
CADIZ	U001442144	TRIGG COUNTY/MAINT GARAGE	KY 1175	42211	UST	726111
CADIZ	1004122608	KTC TRIGG CO MAINT GARAGE	KY 1175	42211	FINDS	
CADIZ	1004505794	TRIGG COUNTY LANDFILL	HWY 124	42211	FINDS	
CADIZ	U001182558	MICHAEL L GROSS DMD	HWY 139	42211	UST	3934111
CADIZ	U001441193	JOHN WOODRUFF FARMS	RT 4	42211	UST	133111
CADIZ	U001185249	RANDY HUMPHREY	RT 4	42211	UST	8525111
CADIZ	U001185212	WADES GROCERY	RT 5	42211	UST	8453111
CADIZ	U000203986	FRANK JOINER	ROUTE 5	42211	UST	8528111
CADIZ	U003555401	HOOVER UNIVERSAL INC	HWY 68 E	42211	UST	598111
CADIZ	U003555147	SCOT MARKET #51	HWY 68 E	42211	UST	1307111
CADIZ	U003180089	LAKE BARKLEY STATE PARK	HWY 68 LODGE	42211	UST	1006111
CADIZ	U001185258	B & J CARPET STORE	HWY 68	42211	UST	8543111
CADIZ	U001182508	FARM OFFICE	HWY 68 E	42211	UST	3882111
CADIZ	U001182048	ALLEN CHIROPRACTIC OFFICE	HWY 68 W	42211	UST	3444111
CADIZ	U001181580	PHILLIPS SERVICE STATION	HWY 68 MAIN ST	42211	UST	2982111
CADIZ	U000200587	AVERITT LUMBER CO CADIZ PLANT	HWY 68 W	42211	UST	8533111
CADIZ	1000168552	GRACE W R CO	HWY 68 EAST	42211	RCRIS-SQG, FINDS	
CADIZ	1004194991	TRIGG COUNTY HOSPITAL	PO BOX 312 248 MAIN ST	42211	FINDS, FTTS	
CADIZ	1000320499	JOHNSON CONTROL HOOVER AUTOMOTIVE	U.S. HIGHWAY 68 EAST	42211	RCRIS-SQG, FINDS	
CADIZ	U001442658	UZZLES SERVICE STATION	3611 HOPKINSVILLE RD US 68W	42211	UST	5031111
CADIZ	U001185222	CHUCKS REPAIR	US HWY 68	42211	UST	8473111
CADIZ	U001185220	WILSONS GROCERY (HOMER)	1258 JEFFERSON ST HWY 139	42211	UST	8468111
CADIZ	U000808312	PENNYRILE R E C C WAREHOUSE	MAIN ST US 68 E	42211	UST	3981111
CADIZ	S101410152	BARKLEY LAKE WATER DISTRICT	P O BOX 308	42211	SWF/LF	111-00006
CADIZ	S103594103	CADIZ DRYWALL CONTRACTORS INC LANDFILL	PLEASANT HILL CHURCH RD	42211	SWF/LF	111-00007
CADIZ	U003555143	LAKE BARKLEY STATE RESORT PARK	3200 STATE PARK RD	42211	UST	1254111

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.

Elapsed ASTM days: Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

FEDERAL ASTM STANDARD RECORDS

NPL: National Priority List

Source: EPA

Telephone: N/A

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

Date of Government Version: 10/22/01

Date Made Active at EDR: 12/11/01

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 11/05/01

Elapsed ASTM days: 36

Date of Last EDR Contact: 02/04/02

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 8

Telephone: 303-312-6774

EPA Region 4

Telephone 404-562-8033

Proposed NPL: Proposed National Priority List Sites

Source: EPA

Telephone: N/A

Date of Government Version: 10/22/01

Date Made Active at EDR: 12/11/01

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 11/05/01

Elapsed ASTM days: 36

Date of Last EDR Contact: 02/04/02

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

Source: EPA

Telephone: 703-413-0223

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 11/21/01

Date Made Active at EDR: 02/04/02

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 12/26/01

Elapsed ASTM days: 40

Date of Last EDR Contact: 12/26/01

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Source: EPA

Telephone: 703-413-0223

As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/21/01
Date Made Active at EDR: 02/04/02
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 12/26/01
Elapsed ASTM days: 40
Date of Last EDR Contact: 12/16/01

CORRACTS: Corrective Action Report

Source: EPA

Telephone: 800-424-9346

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 11/14/01
Date Made Active at EDR: 01/14/02
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 11/14/01
Elapsed ASTM days: 61
Date of Last EDR Contact: 11/14/01

RCRIS: Resource Conservation and Recovery Information System

Source: EPA/NTIS

Telephone: 800-424-9346

Resource Conservation and Recovery Information System. RCRIS 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).

Date of Government Version: 06/21/00
Date Made Active at EDR: 07/31/00
Database Release Frequency: Varies

Date of Data Arrival at EDR: 07/10/00
Elapsed ASTM days: 21
Date of Last EDR Contact: 01/14/02

ERNS: Emergency Response Notification System

Source: EPA/NTIS

Telephone: 202-260-2342

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

Date of Government Version: 08/08/00
Date Made Active at EDR: 09/06/00
Database Release Frequency: Varies

Date of Data Arrival at EDR: 08/11/00
Elapsed ASTM days: 26
Date of Last EDR Contact: 02/01/02

FEDERAL ASTM SUPPLEMENTAL RECORDS

BRS: Biennial Reporting System

Source: EPA/NTIS

Telephone: 800-424-9346

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: 12/31/99
Database Release Frequency: Biennially

Date of Last EDR Contact: 12/17/01
Date of Next Scheduled EDR Contact: 03/18/02

CONSENT: Superfund (CERCLA) Consent Decrees

Source: EPA Regional Offices

Telephone: Varies

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: N/A
Database Release Frequency: Varies

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

ROD: Records Of Decision

Source: NTIS

Telephone: 703-416-0223

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/30/00
Database Release Frequency: Annually

Date of Last EDR Contact: 01/07/02
Date of Next Scheduled EDR Contact: 04/08/02

DELISTED NPL: National Priority List Deletions

Source: EPA
Telephone: N/A

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: 11/13/01
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/04/02
Date of Next Scheduled EDR Contact: 05/06/02

FINDS: Facility Index System/Facility Identification Initiative Program Summary Report

Source: EPA
Telephone: N/A

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: 10/29/01
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/07/02
Date of Next Scheduled EDR Contact: 04/08/02

HMIRS: Hazardous Materials Information Reporting System

Source: U.S. Department of Transportation
Telephone: 202-366-4526

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

Date of Government Version: 05/31/01
Database Release Frequency: Annually

Date of Last EDR Contact: 01/21/02
Date of Next Scheduled EDR Contact: 04/22/02

MLTS: Material Licensing Tracking System

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169

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

Date of Government Version: 10/25/01
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/07/02
Date of Next Scheduled EDR Contact: 04/08/02

MINES: Mines Master Index File

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959

Date of Government Version: 12/14/01
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 01/02/02
Date of Next Scheduled EDR Contact: 04/01/02

NPL LIENS: Federal Superfund Liens

Source: EPA
Telephone: 205-564-4267

Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (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 receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/91
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 11/19/01
Date of Next Scheduled EDR Contact: 02/18/02

PADS: PCB Activity Database System

Source: EPA

Telephone: 202-260-3936

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: 09/30/01
Database Release Frequency: Annually

Date of Last EDR Contact: 02/12/02
Date of Next Scheduled EDR Contact: 05/13/02

RAATS: RCRA Administrative Action Tracking System

Source: EPA

Telephone: 202-564-4104

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: 04/17/95
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 12/11/01
Date of Next Scheduled EDR Contact: 03/11/02

TRIS: Toxic Chemical Release Inventory System

Source: EPA

Telephone: 202-260-1531

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: 12/31/99
Database Release Frequency: Annually

Date of Last EDR Contact: 12/26/01
Date of Next Scheduled EDR Contact: 03/25/02

TSCA: Toxic Substances Control Act

Source: EPA

Telephone: 202-260-5521

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: 12/31/98
Database Release Frequency: Every 4 Years

Date of Last EDR Contact: 01/22/02
Date of Next Scheduled EDR Contact: 04/22/02

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

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

Telephone: 202-564-2501

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: 10/25/01
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/26/01
Date of Next Scheduled EDR Contact: 03/25/02

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

Source: EPA

Telephone: 202-564-2501

Date of Government Version: 10/25/01
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/26/01
Date of Next Scheduled EDR Contact: 03/25/02

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STATE OF KENTUCKY ASTM STANDARD RECORDS

SHWS: State Leads List

Source: Department of Environmental Protection
Telephone: 502-564-6716

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

Date of Government Version: 12/03/01
Date Made Active at EDR: 02/19/02
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 01/15/02
Elapsed ASTM days: 35
Date of Last EDR Contact: 01/02/02

SWF/LF: Solid Waste Facilities List

Source: Department of Environmental Protection
Telephone: 502-564-6716

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: 01/02/02
Date Made Active at EDR: 02/19/02
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 02/08/02
Elapsed ASTM days: 11
Date of Last EDR Contact: 02/06/02

LUST: N/A

Source: Department of Environmental Protection
Telephone: 502-564-6716

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: N/A
Date Made Active at EDR: N/A
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: N/A
Elapsed ASTM days: 0
Date of Last EDR Contact: 02/12/02

UST: Underground Storage Tank Database

Source: Department of Environmental Protection
Telephone: 502-564-6716

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

Date of Government Version: 11/05/01
Date Made Active at EDR: 12/03/01
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 11/13/01
Elapsed ASTM days: 20
Date of Last EDR Contact: 01/02/02

EDR PROPRIETARY HISTORICAL DATABASES

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

Disclaimer Provided by Real Property Scan, Inc.

The information contained in this report has predominantly been obtained from publicly available sources produced by entities other than Real Property Scan. While reasonable steps have been taken to insure the accuracy of this report, Real Property Scan does not guarantee the accuracy of this report. Any liability on the part of Real Property Scan is strictly limited to a refund of the amount paid. No claim is made for the actual existence of toxins at any site. This report does not constitute a legal opinion.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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.

Oil/Gas Pipelines/Electrical Transmission Lines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines and electrical transmission lines.

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.

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 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 1999 from the U.S. Fish and Wildlife Service.

GEOCHECK® - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

TRIGG COUNTY INDUSTRIAL PROPERTY
US HIGHWAY 68
CADIZ, KY 42211

TARGET PROPERTY COORDINATES

Latitude (North):	36.880699 - 36° 52' 50.5"
Longitude (West):	87.747299 - 87° 44' 50.3"
Universal Transverse Mercator:	Zone 16
UTM X (Meters):	433402.3
UTM Y (Meters):	4081696.0

EDR's GeoCheck Physical Setting Source Addendum has been developed to assist the environmental professional with the collection of physical setting source information in accordance with ASTM 1527-00, Section 7.2.3. Section 7.2.3 requires that a current USGS 7.5 Minute Topographic Map (or equivalent, such as the USGS Digital Elevation Model) be reviewed. It also requires that one or more additional physical setting sources be sought when (1) conditions have been identified in which hazardous substances or petroleum products are likely to migrate to or from the property, and (2) more information than is provided in the current USGS 7.5 Minute Topographic Map (or equivalent) is generally obtained, pursuant to local good commercial or customary practice, to assess the impact of migration of recognized environmental conditions in connection with the property. Such additional physical setting sources generally include information about the topographic, hydrologic, hydrogeologic, and geologic characteristics of a site, and wells in the area.

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

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

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

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.

USGS TOPOGRAPHIC MAP ASSOCIATED WITH THIS SITE

Target Property: 2436087-H6 GRACEY, KY
Source: USGS 7.5 min quad index

GENERAL TOPOGRAPHIC GRADIENT AT TARGET PROPERTY

Target Property: General West

Source: General Topographic Gradient has been determined from the USGS 1 Degree Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

HYDROLOGIC INFORMATION

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

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

FEMA FLOOD ZONE

Target Property County
TRIGG, KY

FEMA Flood
Electronic Data
YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property:

2103150005A / CBPP

Additional Panels in search area:

Not Reported

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property
GRACEY

NWI Electronic
Data Coverage
Not Available

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.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

AQUIFLOW®

Search Radius: 2,000 Miles.

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

GROUNDWATER FLOW VELOCITY INFORMATION

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

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

ROCK STRATIGRAPHIC UNIT

GEOLOGIC AGE IDENTIFICATION

Era:	Paleozoic	Category:	Stratified Sequence
System:	Mississippian		
Series:	Meramecian Series		
Code:	M2 (decoded above as Era, System & Series)		

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

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

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

Soil Component Name:	PEMBROKE
Soil Surface Texture:	silt loam
Hydrologic Group:	Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.
Soil Drainage Class:	Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: MODERATE

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 2.00 Min: 0.60	Max: 7.30 Min: 4.50
2	9 inches	33 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 2.00 Min: 0.60	Max: 6.00 Min: 4.50
3	33 inches	75 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 2.00 Min: 0.60	Max: 6.00 Min: 4.50
4	75 inches	80 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 2.00 Min: 0.60	Max: 6.00 Min: 4.50

OTHER SOIL TYPES IN AREA

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

Soil Surface Textures: silty clay loam

Surficial Soil Types: silty clay loam

Shallow Soil Types: silt loam

Deeper Soil Types: loam
silty clay loam
clay

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

According to ASTM E 1527-00, Section 7.2.2, "one or more additional state or local sources of environmental records may be checked, in the discretion of the environmental professional, to enhance and supplement federal and state sources... Factors to consider in determining which local or additional state records, if any, should be checked include (1) whether they are reasonably ascertainable, (2) whether they are sufficiently useful, accurate, and complete in light of the objective of the records review (see 7.1.1), and (3) whether they are obtained, pursuant to local, good commercial or customary practice." One of the record sources listed in Section 7.2.2 is water well information. Water well information can be used to assist the environmental professional in assessing sources that may impact groundwater 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 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

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

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

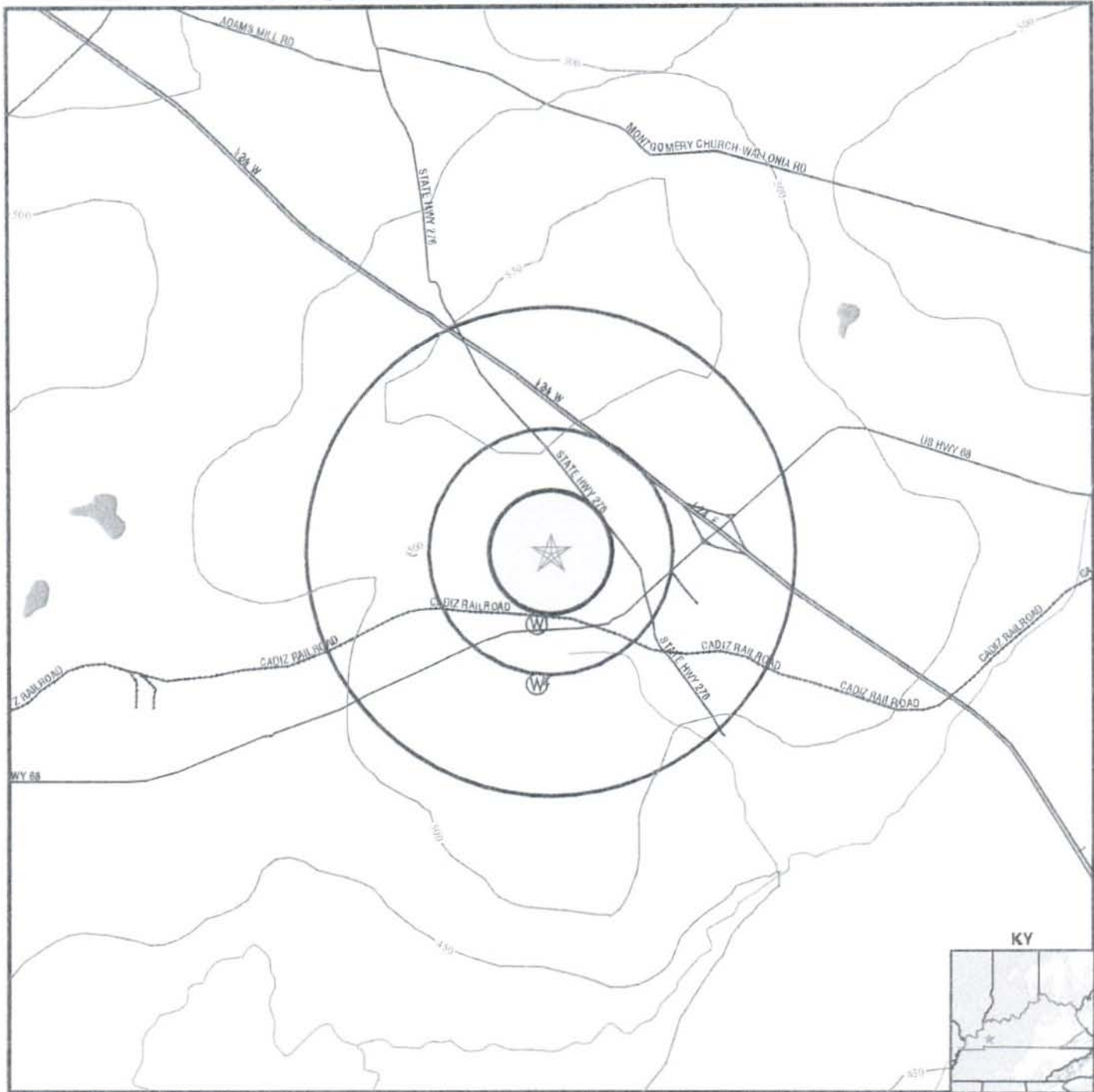
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

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

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	KY00013272	1/4 - 1/2 Mile South
2	KY00021969	1/2 - 1 Mile South

PHYSICAL SETTING SOURCE MAP - 737026.4s



- Major Roads
- Contour Lines
- Water Wells
- Public Water Supply Wells
- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Cluster of Multiple Icons

Earthquake epicenter, Richter 5 or greater

0 1/2 1 2 Miles



TARGET PROPERTY: Trigg County Industrial Property
 ADDRESS: US Highway 68
 CITY/STATE/ZIP: Cadiz KY 42211
 LAT/LONG: 36.8807 / 87.7473

CUSTOMER: Environmental Consultants
 CONTACT: Jeffrey D. Major
 INQUIRY #: 737026.4s
 DATE: February 20, 2002 1:21 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1

South
1/4 - 1/2 Mile
Higher

KY WELLS KY00013272

Well ID: 00026817
Well Usage: ABANDONED
Latitude: 36.876389

Source Name: Division of Water
Longitude: -87.748333

2

South
1/2 - 1 Mile
Higher

KY WELLS KY00021969

Well ID: 00030982
Well Usage: ABANDONED
Latitude: 36.872778

Source Name: Division of Water
Longitude: -87.748333

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for TRIGG County: 2

Note: Zone 1 indoor average level > 4 pCi/L.

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

: Zone 3 indoor average level < 2 pCi/L.

Zip Code: 42211

Number of sites tested: 3

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.467 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	2.167 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 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 1999 from the U.S. Fish and Wildlife Service.

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

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

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-260-2805

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: 202-260-2805

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: In November 1971 the United States Geological Survey (USGS) implemented a national water resource information tracking system. 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 more than 900,000 wells, springs, and other sources of groundwater.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STATE RECORDS

Kentucky Well Data Files

Source: University of Kentucky, Geological Survey
Telephone: 606-257-5500

RADON

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

OTHER

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration



EDR NEPACheck®

**Trigg County Industrial Property
US Highway 68
Cadiz, KY 42211**

Inquiry Number: 737026.2s

February 20, 2002

The Source For Environmental Risk Management Data

3530 Post Road
Southport, Connecticut 06490

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
EDR NEPACheck® Description.....	1
Map Findings Summary.....	2
Natural Areas.....	3
Historic Sites.....	5
Flood Plain.....	8
Wetlands.....	10
Wetlands Classification System.....	12
FCC & FAA Sites.....	16
Key Contacts and Government Records Searched.....	19

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

Disclaimer Copyright and Trademark Notice

This report contains information obtained from a variety of public and other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL EDR BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES.

Entire contents copyright 2001 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and the edr logos are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

EDR NEPACheck® DESCRIPTION

The National Environmental Policy Act of 1969 (NEPA) requires that Federal agencies include in their decision-making processes appropriate and careful consideration of all environmental effects and actions, analyze potential environmental effects of proposed actions and their alternatives for public understanding and scrutiny, avoid or minimize adverse effects of proposed actions, and restore and enhance environmental quality as much as possible.

The EDR NEPACheck provides information which may be used, in conjunction with additional research, to determine whether a proposed site or action will have significant environmental effect.

The report provides maps and data for the following items (where available). Search results are provided in the Map Findings Summary on page 2 of this report.

Natural Areas Map

- Federal Lands Data:
 - Officially designated wilderness areas
 - Officially designated wildlife preserves, sanctuaries and refuges
 - Wild and scenic rivers
 - Fish and Wildlife
- Threatened or Endangered Species, Fish and Wildlife, Critical Habitat Data (where available)

Regulation

47 CFR 1.1307(1)
47 CFR 1.1307(2)

40 CFR 6.302(e)
40 CFR 6.302
47 CFR 1.1307(3); 40 CFR 6.302

Historic Sites Map

- National Register of Historic Places
- State Historic Places (where available)

47 CFR 1.1307(4); 40 CFR 6.302

Flood Plain Map

- National Flood Plain Data (where available)

47 CFR 1.1307(6); 40 CFR 6.302

Wetlands Map

- National Wetlands Inventory Data (where available)

47 CFR 1.1307(7); 40 CFR 6.302

FCC & FAA Map

- FCC antenna/tower sites, AM Radio Towers, FAA Markings and Obstructions, AM Radio Interference Zones, Airports, Topographic gradient

47 CFR 1.1307(8)

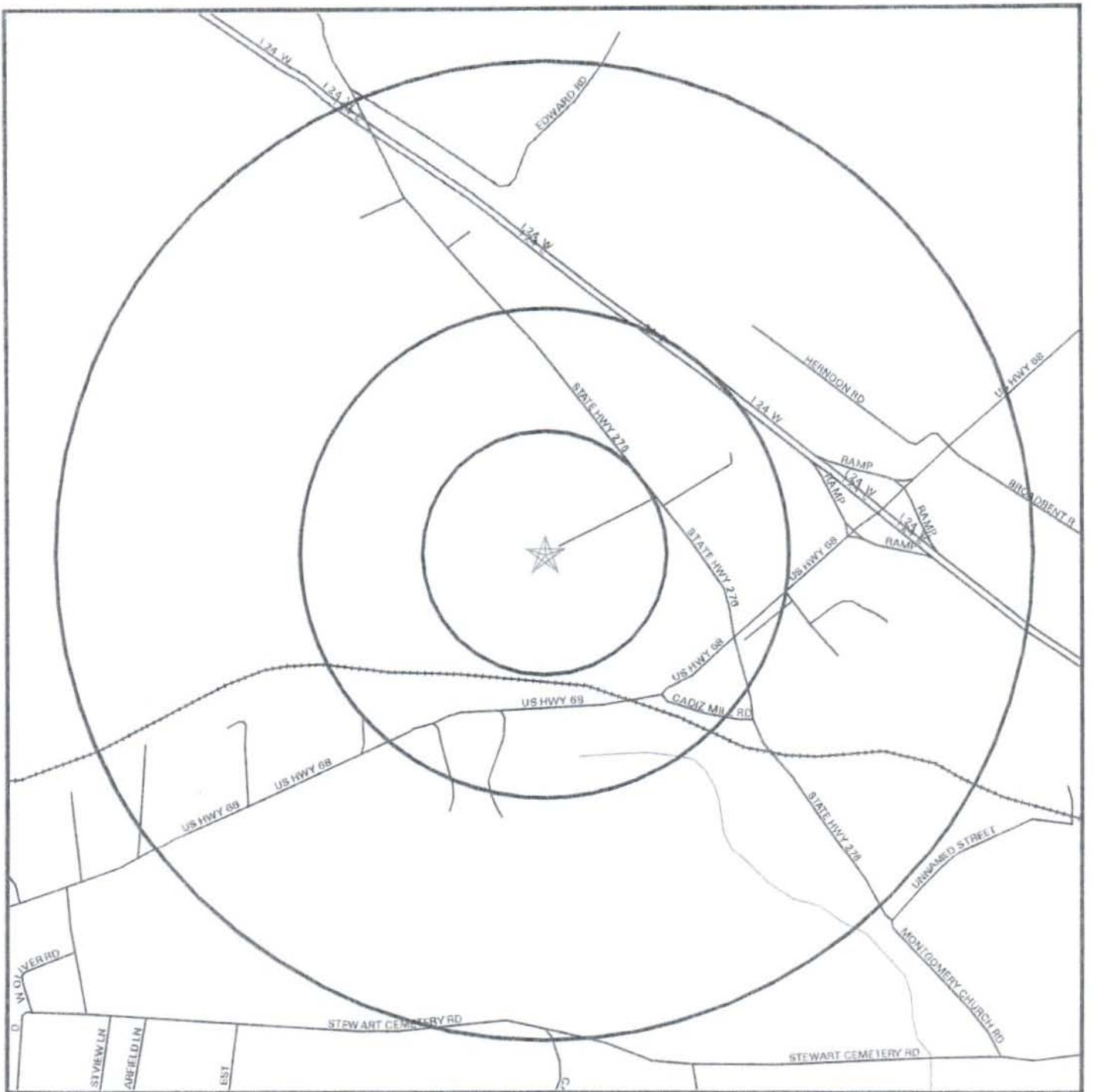
Key Contacts and Government Records Searched

MAP FINDINGS SUMMARY

The databases searched in this report are listed below. Database descriptions and other agency contact information is contained in the Key Contacts and Government Records Searched section on page 19 of this report.

Database	Search Distance (Miles)	Item within Search Distance	Item within 1/8 mile of Target Property
KY Wildlife Management Areas	1.00	NO	NO
US Federal Lands	1.00	NO	NO
National Register Hist. Places	1.00	NO	NO
FLOODPLAIN	1.00	NO	NO
NWI	1.00	NO	NO
FCC Cellular	1.00	YES	NO
FCC Antenna	1.00	NO	NO
FCC Tower	1.00	NO	NO
FCC AM Tower	1.00	NO	NO
FAA DOF	1.00	NO	NO

Natural Areas Map



- ★ Target Property
- ↗ Roads
- ↗ County Boundary
- ↗ Waterways
- Water
- ⊕ Locations
- ▨ Federal Areas
- ▨ Federal Linear Features
- ▨ State Areas
- ▨ State Linear Features

0 1/4 1/2 1 Miles



TARGET PROPERTY: Trigg County Industrial Property
 ADDRESS: US Highway 68
 CITY/STATE/ZIP: Cadiz KY 42211
 LAT/LONG: 36.8807 / 87.7473

CUSTOMER: Environmental Consultants
 CONTACT: Jeffrey D. Major
 INQUIRY #: 737026.2s
 DATE: February 20, 2002 TC737026.2s Page 3 of 23

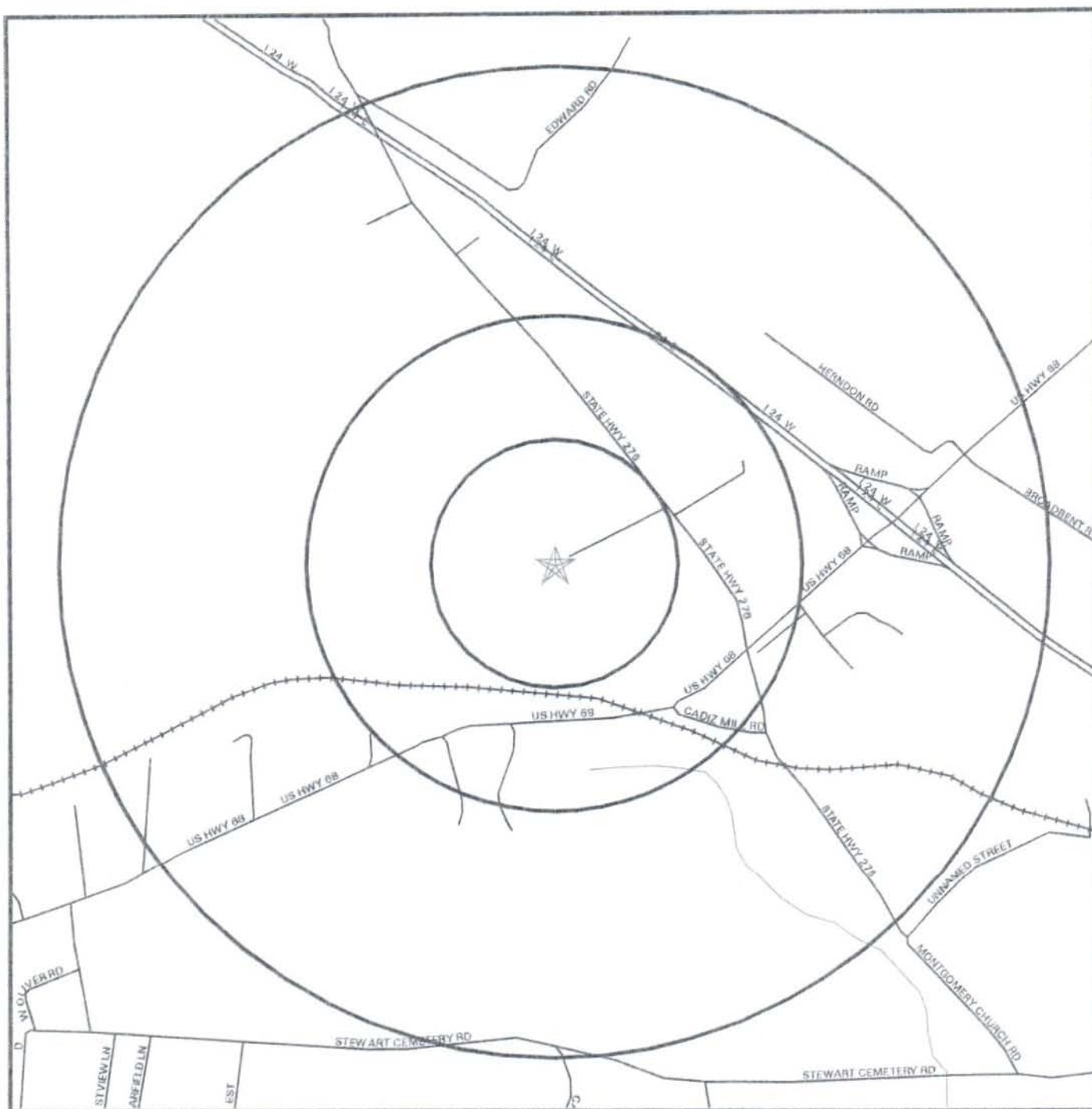
NATURAL AREAS MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

No mapped sites were found in EDR's search of available government records within the search radius around the target property.

Historic Sites Map



- ★ Target Property
- Streets
- County Boundary
- Waterways
- Water
- ◆ Historic Sites
- ▨ Federal Historic Areas
- ▨ State Historic Areas
- Scenic Trail



TARGET PROPERTY: Trigg County Industrial Property
 ADDRESS: US Highway 68
 CITY/STATE/ZIP: Cadiz KY 42211
 LAT/LONG: 36.8807 / 87.7473

CUSTOMER: Environmental Consultants
 CONTACT: Jeffrey D. Major
 INQUIRY #: 737026.2s
 DATE: February 20, 2002
 TC737026.2s Page 5 of 23

HISTORIC SITES MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

No mapped sites were found in EDR's search of available government records within the search radius around the target property.

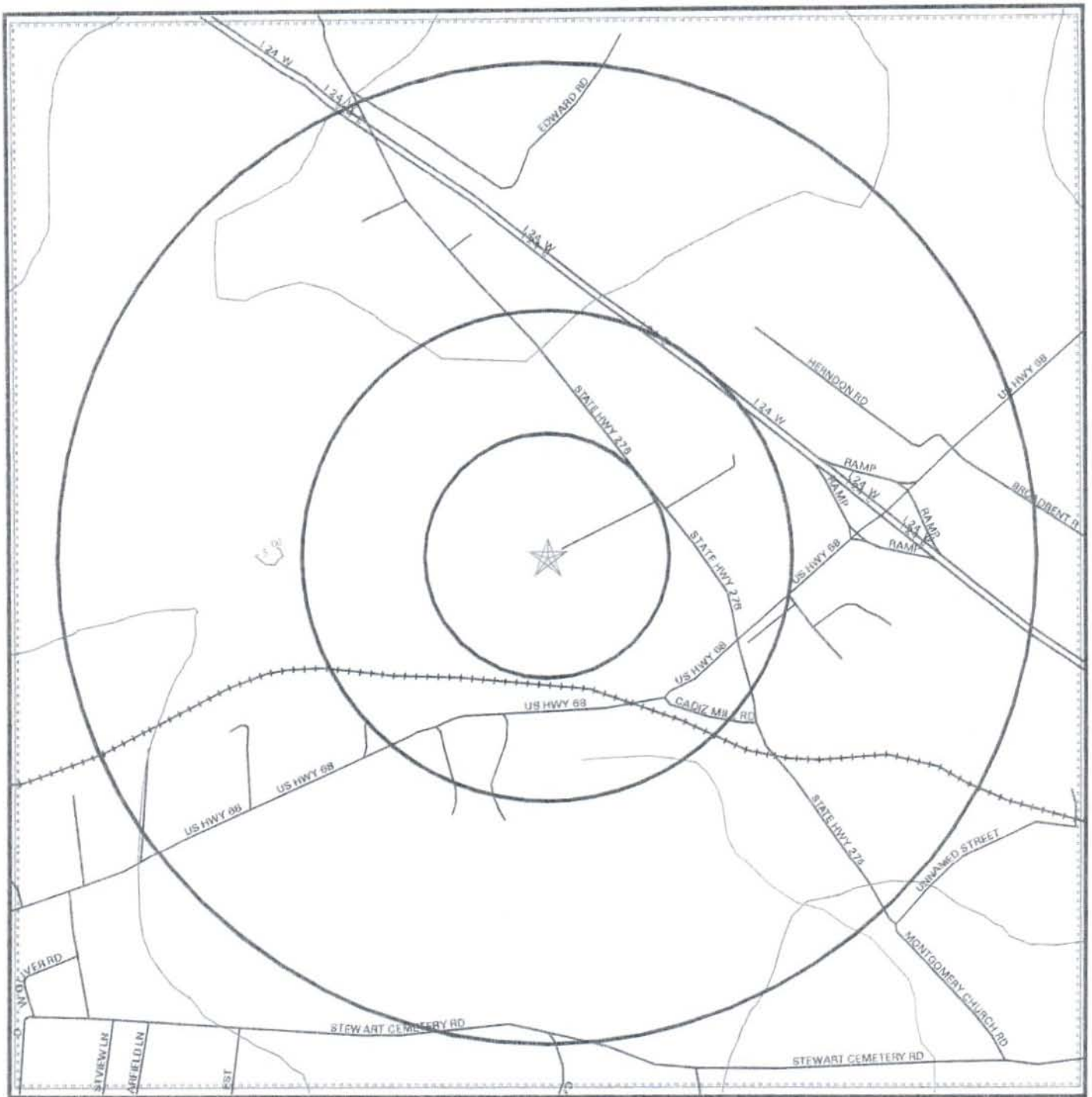
UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

Status
EDR ID
Database

No unmapped sites were found in EDR's search of available government records.

Flood Plain Map



- | | | |
|-----------------|-------------|------------------------------------|
| Major Roads | Power Lines | Water |
| Contour Lines | Pipe Lines | 100-year flood zone |
| Waterways | Fault Lines | 500-year flood zone |
| County Boundary | | Electronic FEMA data available |
| | | Electronic FEMA data not available |

0 1/4 1/2 1 Miles

TARGET PROPERTY: Trigg County Industrial Property
 ADDRESS: US Highway 68
 CITY/STATE/ZIP: Cadiz KY 42211
 LAT/LONG: 36.8807 / 87.7473

CUSTOMER: Environmental Consultants
 CONTACT: Jeffrey D. Major
 INQUIRY #: 737026.2s
 DATE: February 20, 2002 TC737026.2s Page 8 of 23

FLOOD PLAIN MAP FINDINGS

Source: FEMA Q3 Flood Data

County

FEMA flood data electronic coverage

TRIGG, KY

YES

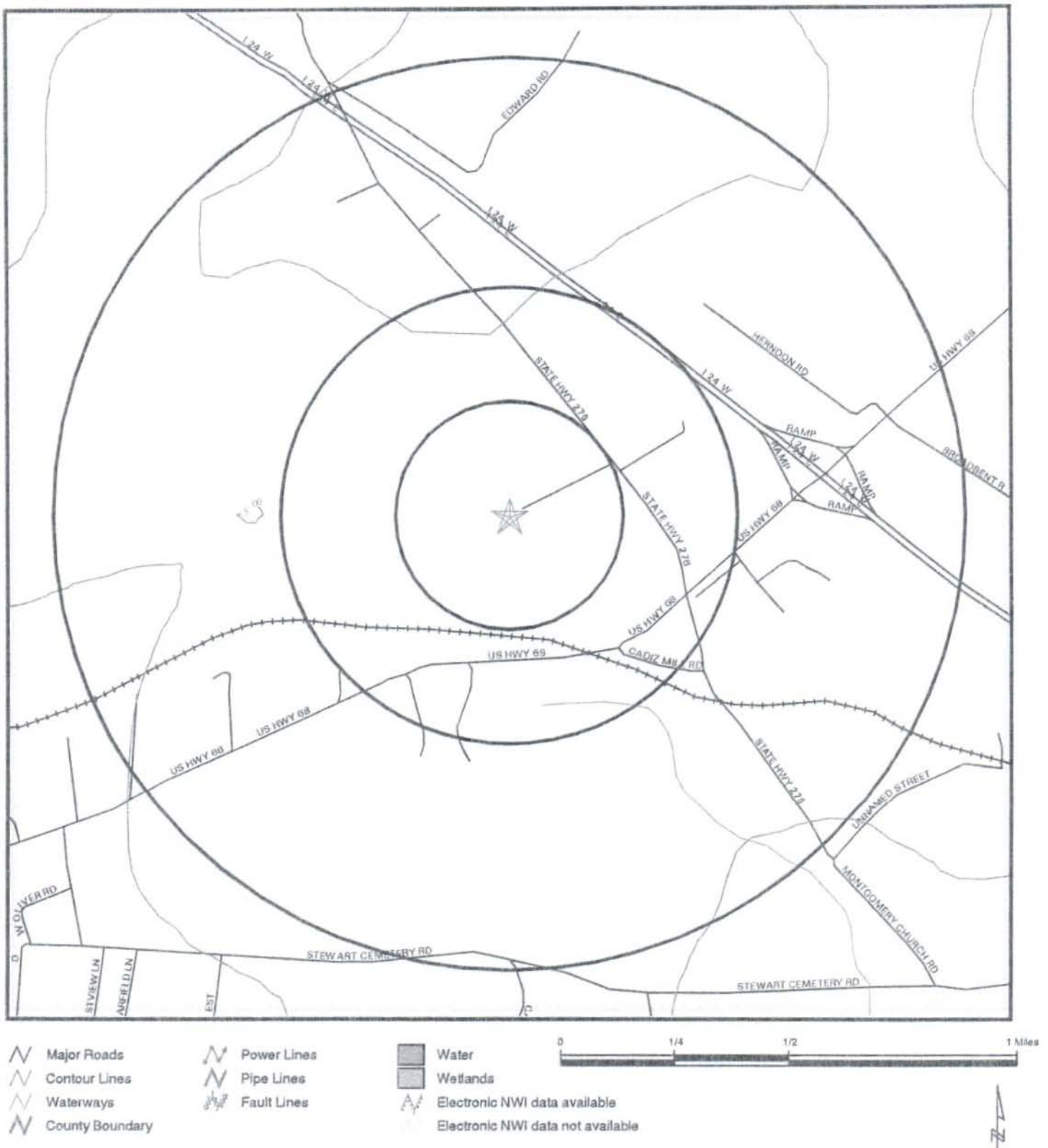
Flood Plain panel at target property:

2103150005A / CBPP

Additional Flood Plain panel(s) in search area:

None Reported

National Wetlands Inventory Map



TARGET PROPERTY: Trigg County Industrial Property
ADDRESS: US Highway 68
CITY/STATE/ZIP: Cadiz KY 42211
LAT/LONG: 36.8807 / 87.7473

CUSTOMER: Environmental Consultants
CONTACT: Jeffrey D. Major
INQUIRY #: 737026.2s
DATE: February 20, 2002

WETLANDS MAP FINDINGS

Source: Fish and Wildlife Service NWI data

NWI hardcopy map at target property: Gracey

Additional NWI hardcopy map(s) in search area:

Cobb
Cadiz
Caledonia

Map ID

Direction

Distance

Distance (ft.)

Code and Description*

Database

No Sites Reported.

*See Wetland Classification System for additional information.

WETLANDS CLASSIFICATION SYSTEM

National Wetland Inventory Maps are produced by the U.S. Fish and Wildlife Service, a sub-department of the U.S. Department of the Interior. In 1974, the U.S. Fish and Wildlife Service developed a criteria for wetland classification with four long range objectives:

- to describe ecological units that have certain homogeneous natural attributes,
- to arrange these units in a system that will aid decisions about resource management,
- to furnish units for inventory and mapping, and
- to provide uniformity in concepts and terminology throughout the U.S.

High altitude infrared photographs, soil maps, topographic maps and site visits are the methods used to gather data for the productions of these maps. In the infrared photos, wetlands appear as different colors and these wetlands are then classified by type. Using a hierarchical classification, the maps identify wetland and deepwater habitats according to:

- system
- subsystem
- class
- subclass
- modifiers

(as defined by Cowardin, et al. U.S. Fish and Wildlife Service FWS/OBS 79/31. 1979.)

The classification system consists of five systems:

1. marine
2. estuarine
3. riverine
4. lacustrine
5. palustrine

The marine system consists of deep water tidal habitats and adjacent tidal wetlands. The riverine system consists of all wetlands contained within a channel. The lacustrine systems includes all nontidal wetlands related to swamps, bogs & marshes. The estuarine system consists of deepwater tidal habitats and where ocean water is diluted by fresh water. The palustrine system includes nontidal wetlands dominated by trees and shrubs and where salinity is below .5% in tidal areas. All of these systems are divided in subsystems and then further divided into class.

National Wetland Inventory Maps are produced by transferring gathered data on a standard 7.5 minute U.S.G.S. topographic map. Approximately 52 square miles are covered on a National Wetland Inventory map at a scale of 1:24,000. Electronic data is compiled by digitizing these National Wetland Inventory Maps.

SYSTEM

MARINE

SUBSYSTEM

1 - SUBTIDAL

2 - INTERTIDAL

CLASS

RB-ROCK
BOTTOM

UB-UNCONSOLIDATED
BOTTOM

AB-AQUATIC BED

RF-REEF

OW-OPEN WATER /
Unknown Bottom

AB-AQUATIC BED

RF-REEF

RS-ROCKY SHORE

US-UNCONSOLIDATED
SHORE

Subclass

1 Bedrock
2 Rubble

1 Cobble-Gravel
2 Sand
3 Mud
4 Organic

1 Algal
3 Rooted Vascular
5 Unknown
Submergent

1 Coral
3 Worm

1 Algal
3 Rooted Vascular
5 Unknown Submergent

1 Coral
3 Worm

1 Bedrock
2 Rubble

1 Cobble-Gravel
2 Sand
3 Mud
4 Organic

SYSTEM

E - ESTUARINE

SUBSYSTEM

1 - SUBTIDAL

CLASS

RB-ROCK
BOTTOM

UB-UNCONSOLIDATED
BOTTOM

AB-AQUATIC BED

RF-REEF

OW-OPEN WATER /
Unknown Bottom

Subclass

1 Bedrock
2 Rubble

1 Cobble-Gravel
2 Sand
3 Mud
4 Organic

1 Algal
3 Rooted Vascular
4 Floating Vascular
5 Unknown Submergent
6 Unknown Surface

2 Mollusk
3 Worm

SUBSYSTEM

2 - INTERTIDAL

CLASS

AB-AQUATIC BED

RF-REEF

SB - STREAMBED

RS-ROCKY SHORE

US-UNCONSOLIDATED
SHORE

EM-EMERGENT

SS-SCRUB SHRUB

FO-FORESTED

Subclass

1 Algal
3 Rooted Vascular
4 Floating Vascular
5 Unknown Submergent
6 Unknown Surface

2 Mollusk
3 Worm

1 Cobble-Gravel
2 Sand
3 Mud
4 Organic

1 Bedrock
2 Rubble

1 Cobble-Gravel
2 Sand
3 Mud
4 Organic

1 Persistent
2 Nonpersistent

1 Broad-Leaved
Deciduous
2 Needle-Leaved
Deciduous
3 Broad-Leaved
Evergreen
4 Needle-Leaved
Evergreen
5 Dead
6 Deciduous
7 Evergreen

1 Broad-Leaved
Deciduous
2 Needle-Leaved
Deciduous
3 Broad-Leaved
Evergreen
4 Needle-Leaved
Evergreen
5 Dead
6 Deciduous
7 Evergreen

SYSTEM

R - RIVERINE

SUBSYSTEM

1 - TIDAL		2 - LOWER PERENNIAL		3 - UPPER PERENNIAL		4 - INTERMITTENT		5 - UNKNOWN PERENNIAL	
RB-ROCK BOTTOM	UB-UNCONSOLIDATED BOTTOM	*SB-STREAMBED	AB-AQUATIC BED	RS-ROCKY SHORE	US-UNCONSOLIDATED SHORE	**EM-EMERGENT	OW-OPEN WATER/ Unknown Bottom		
1 Bedrock	1 Cobble-Gravel	1 Bedrock	1 Algal	1 Bedrock	1 Cobble-Gravel	2 Nonpersistent			
2 Rubble	2 Sand	2 Rubble	2 Aquatic Moss	2 Rubble	2 Sand				
	3 Mud	3 Cobble-Gravel	3 Rooted Vascular		3 Mud				
	4 Organic	4 Sand	4 Floating Vascular		4 Organic				
		5 Mud	5 Unknown Submergent		5 Vegetated				
		6 Organic	6 Unknown Surface						
		7 Vegetated							

* STREAMBED is limited to TIDAL and INTERMITTENT SUBSYSTEMS, and comprises the only CLASS in the INTERMITTENT SUBSYSTEM.

**EMERGENT is limited to TIDAL and LOWER PERENNIAL SUBSYSTEMS.

SYSTEM

L - LACUSTRINE

SUBSYSTEM

1 - LIMNETIC

CLASS

Subclass

	RB-ROCK BOTTOM	UB-UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	OW-OPEN WATER/ Unknown Bottom
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	

SUBSYSTEM

2 - LITTORAL

CLASS

Subclass

	RB-ROCK BOTTOM	UB-UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	RS-ROCKY SHORE	US-UNCONSOLIDATED SHORE	EM-EMERGENT	OW-OPEN WATER/ Unknown Bottom
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated	2 Nonpersistent	

SUBSYSTEM

P - PALUSTRINE

CLASS	RB--ROCK BOTTOM	UB--UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	US--UNCONSOLIDATED SHORE	ML--MOSS- LICHEN	EM--EMERGENT	SS--SCRUB-SHRUB	FO--FORESTED	OW-OPEN WATER/ Unknown
Bottom									
Subclass	1 Bedrock 2 Rubble 3 Mud 4 Organic	1 Cobble-Gravel 2 Sand	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown 6 Unknown Surface	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated	1 Moss 2 Lichen	1 Persistent 2 Nonpersistent	1 Broad-Leaved Deciduous 2 Needle-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Needle-Leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen	1 Broad-Leaved Deciduous 2 Needle-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Needle-Leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen	

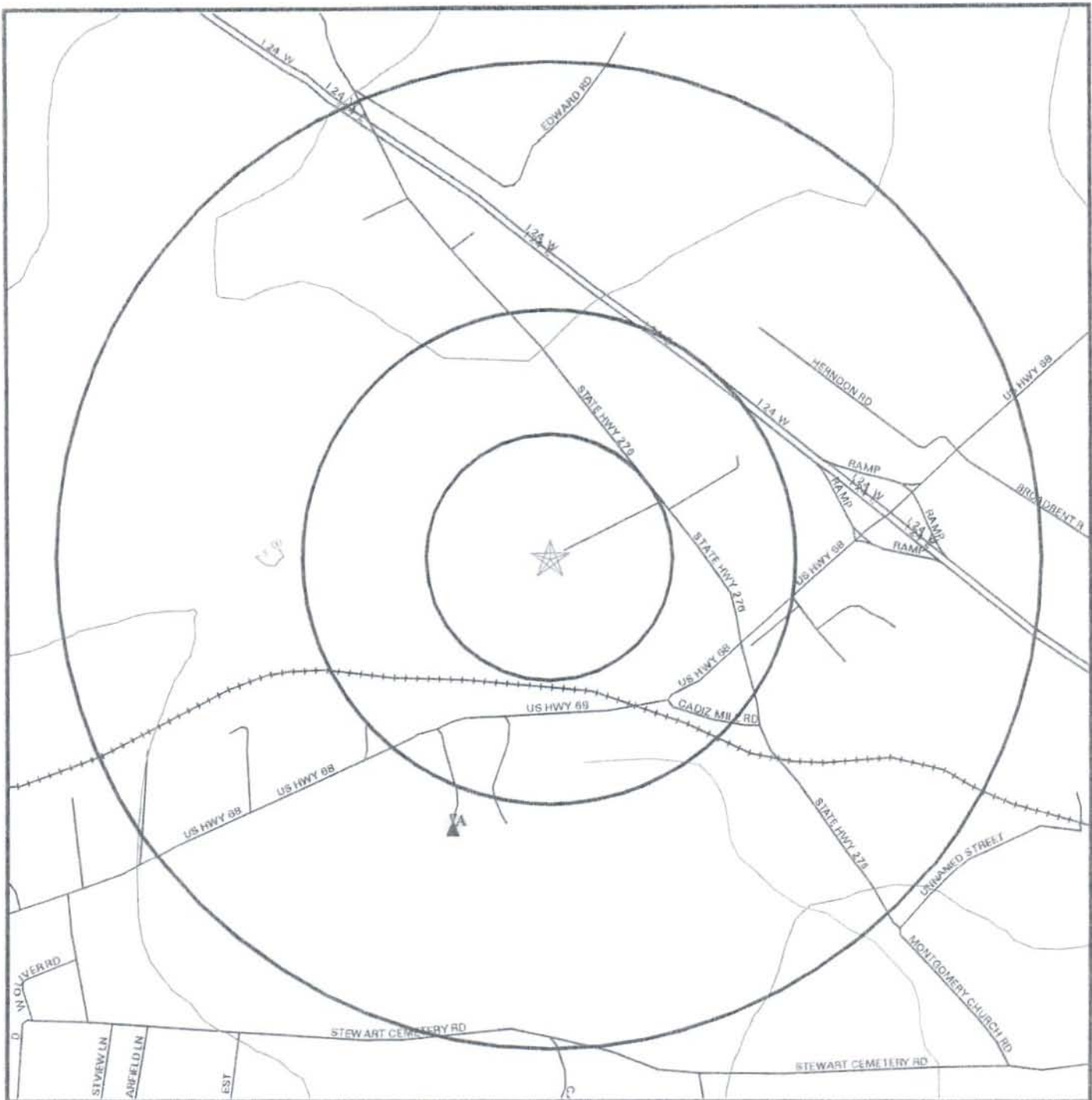
MODIFIERS

In order to more adequately describe wetland and deepwater habitats one or more of the water regime, water chemistry, soil, or special modifiers may be applied at the class or lower level in the hierarchy. The farmed modifier may also be applied to the ecological system.

WATER REGIME				WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS
Non-Tidal	Tidal	Coastal	Halinity	Inland	Salinity	pH	Modifiers for	
A Temporarily Flooded	H Permanently Flooded	K Artificially Flooded	*S Temporary-Tidal	1 Hyperhaline	7 Hypersaline			
B Saturated	J Intermittently Flooded	L Subtidal	*R Seasonal-Tidal	2 Euhaline	8 Eusaline		g Organic	b Beaver
C Seasonally Flooded	K Artificially Flooded	M Irregularly Exposed	*T Semipermanent -Tidal	3 Mixohaline (Brackish)	9 Mixosaline		n Mineral	d Partially Drained/Ditched
D Seasonally Flooded/ Well Drained	W Intermittently Flooded/Temporary	N Regularly Flooded	V Permanent -Tidal	4 Polyhaline	0 Fresh		t Circumneutral	f Farmed
E Seasonally Flooded/ Saturated	Y Saturated/Semipermanent/ Seasonal	P Irregularly Flooded	U Unknown	5 Mesohaline			i Alkaline	h Diked/Impounded
F Semipermanently Flooded	Z Intermittently Exposed/Permanent	*These water regimes are only used in tidally influenced, freshwater systems.			6 Oligohaline			r Artificial Substrate
G Intermittently Exposed	U Unknown				0 Fresh			s Spoil
								x Excavated

Source: U.S. Department of the Interior
Fish and Wildlife Service
National Wetlands Inventory

FCC & FAA Sites Map



- | | |
|-----------------|----------------------------------|
| Streets | Sites |
| Contour Lines | Omni Directional AM Interference |
| County Boundary | Directional AM Interference |
| Waterways | |
| Water | |

0 1/4 1/2 1 Miles



TARGET PROPERTY: Trigg County Industrial Property
 ADDRESS: US Highway 68
 CITY/STATE/ZIP: Cadiz KY 42211
 LAT/LONG: 36.8807 / 87.7473

CUSTOMER: Environmental Consultants
 CONTACT: Jeffrey D. Major
 INQUIRY #: 737026.2s
 DATE: February 20, 2002

FCC & FAA SITES MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

A1
SSW
1/2-1 mi
3046

CEL100000038068
CELLULAR

Low Frequency:	870.03000000	High Frequency:	879.99000000
Callsign:	KNKN674	Radio Code:	CL
DBA Name:	KENTUCKY RSA #2, INC.		
Contact:	Not Reported		
Licensee:	KENTUCKY RSA #2, INC.		
	Not Reported		
	ATLANTA, GA 30328		
Transmitter Address:	5 MILES EAST OF CADIZ ON EXISTING WATER		
	KY		
County:	TWIGG		
Latitude:	365222	Longitude:	0874503
Elevation:	00000	Height:	00000
Height Average:	00000	Effective Height:	00000
Structure Height:	00000	Class Code:	FB
ERP:	10000000	Database ID:	Y
License Date:	940118	Emissions:	40K0F3E 40K0F1D
Issue Date:	930524	Expiration Date:	011001
Mobile Vehicles:	Not Reported	Total Units:	Not Reported
Control Point Auth:	00	Authorization Type:	L

This record is for a license, and it may or may not indicate a site which has been built.

A2
SSW
1/2-1 mi
3046

CEL100000038072
CELLULAR

Low Frequency:	870.03000000	High Frequency:	879.99000000
Callsign:	KNKN674	Radio Code:	CL
DBA Name:	KENTUCKY RSA #2, INC.		
Contact:	Not Reported		
Licensee:	KENTUCKY RSA #2, INC.		
	Not Reported		
	CHICAGO, IL 60631		
Transmitter Address:	5 MILES E OF CADIZ ON EXISTING WATER TOW		
	CADIZ, KY		
County:	TWIGG		
Latitude:	365222	Longitude:	0874503
Elevation:	00000	Height:	00000
Height Average:	00000	Effective Height:	00190
Structure Height:	00120	Class Code:	FB
ERP:	05000000	Database ID:	Y
License Date:	940922	Emissions:	40K0F3E 40K0F1D
Issue Date:	940812	Expiration Date:	011001
Mobile Vehicles:	Not Reported	Total Units:	Not Reported
Control Point Auth:	00	Authorization Type:	L

This record is for a license, and it may or may not indicate a site which has been built.

FCC & FAA SITES MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

A3
SSW
1/2-1 mi
3046

CEL100000011894
CELLULAR

Low Frequency:	825.03000000	High Frequency:	834.99000000
Callsign:	KNKN674	Radio Code:	CL
DBA Name:	KENTUCKY RSA #2, INC.		
Contact:	Not Reported		
Licensee:	KENTUCKY RSA #2, INC.		
	Not Reported		
	ATLANTA, GA 30328		
Transmitter Address:	5 MILES EAST OF CADIZ ON EXISTING WATER		
	KY		
County:	TWIGG	Longitude:	0874503
Latitude:	365222	Height:	00000
Elevation:	00000	Effective Height:	00000
Height Average:	00000	Class Code:	MO
Structure Height:	00000	Database ID:	Y
ERP:	10000000	Emissions:	40K0F3E 40K0F1D
License Date:	940118	Expiration Date:	011001
Issue Date:	930524	Total Units:	Not Reported
Mobile Vehicles:	Not Reported	Authorization Type:	L
Control Point Auth:	00		

This record is for a license, and it may or may not indicate a site which has been built.

A4
SSW
1/2-1 mi
3046

CEL100000011899
CELLULAR

Low Frequency:	825.03000000	High Frequency:	834.99000000
Callsign:	KNKN674	Radio Code:	CL
DBA Name:	KENTUCKY RSA #2, INC.		
Contact:	Not Reported		
Licensee:	KENTUCKY RSA #2, INC.		
	Not Reported		
	CHICAGO, IL 60631		
Transmitter Address:	5 MILES E OF CADIZ ON EXISTING WATER TOW		
	CADIZ, KY		
County:	TWIGG	Longitude:	0874503
Latitude:	365222	Height:	00000
Elevation:	00000	Effective Height:	00190
Height Average:	00000	Class Code:	MO
Structure Height:	00120	Database ID:	Y
ERP:	05000000	Emissions:	40K0F3E 40K0F1D
License Date:	940922	Expiration Date:	011001
Issue Date:	940812	Total Units:	Not Reported
Mobile Vehicles:	Not Reported	Authorization Type:	L
Control Point Auth:	00		

This record is for a license, and it may or may not indicate a site which has been built.

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

Various Federal laws and executive orders address specific environmental concerns. NEPA requires the responsible offices to integrate to the greatest practical extent the applicable procedures required by these laws and executive orders. EDR provides key contacts at agencies charged with implementing these laws and executive orders to supplement the information contained in this report.

NATURAL AREAS

Officially designated wilderness areas

Government Records Searched in This Report

FED_LAND: Federal Lands

Source: USGS

Telephone: 703-648-5094

Federal data from Bureau of Land Management, National Park Service and Forest Service and Fish and Wildlife Service.

- National Parks
- Forests
- Monuments
- Wildlife Sanctuaries, Preserves, Refuges
- Federal Wilderness Areas.

Date of Government Version: 09/01/1997

Federal Contacts for Additional Information

National Park Service, Southeast Region

100 Alabama Street SW, 1924 Building

Atlanta, GA 30303

404-562-3100

USDA Forest Service, Southern

1720 Peachtree Road, N.W.

Atlanta, GA 30367

404-347-2384

BLM - Eastern States Office

7450 Boston Blvd.

Springfield, VA 22153

703-440-1713

Fish & Wildlife Service, Region 4

Budget and Finance 1875 Century Boulevard

Atlanta, GA 30345

404-679-4096

Officially designated wildlife preserves, sanctuaries and refuges

Government Records Searched in This Report

FED_LAND: Federal Lands

Source: USGS

Telephone: 703-648-5094

Federal data from Bureau of Land Management, National Park Service and Forest Service and Fish and Wildlife Service.

- National Parks
- Forests
- Monuments
- Wildlife Sanctuaries, Preserves, Refuges
- Federal Wilderness Areas.

Date of Government Version: 09/01/1997

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

KY Wildlife Management Areas: Wildlife Management Areas
Boundaries for wildlife management areas
Source: Natural Resources.
Telephone: 502-564-5174

Federal Contacts for Additional Information

Fish & Wildlife Service, Region 4
Budget and Finance 1875 Century Boulevard
Atlanta, GA 30345
404-679-4096

State Contacts for Additional Information

Dept. of Fish & Wildlife 502-564-3400

Wild and scenic rivers

Government Records Searched in This Report

FED_LAND: Federal Lands

Source: USGS

Telephone: 703-648-5094

Federal data from Bureau of Land Management, National Park Service and Forest Service and Fish and Wildlife Service.

- National Parks

- Forests

- Monuments

- Wildlife Sanctuaries, Preserves, Refuges

- Federal Wilderness Areas.

Date of Government Version: 09/01/1997

Federal Contacts for Additional Information

Fish & Wildlife Service, Region 4
Budget and Finance 1875 Century Boulevard
Atlanta, GA 30345
404-679-4096

Endangered Species

Federal Contacts for Additional Information

Fish & Wildlife Service, Region 4
Budget and Finance 1875 Century Boulevard
Atlanta, GA 30345
404-679-4096

State Contacts for Additional Information

Natural Heritage Program, State Nature Preserves Commission 502-573-2886

LANDMARKS, HISTORICAL, AND ARCHEOLOGICAL SITES

Historic Places

Government Records Searched in This Report

National Register of Historic Places:

The National Register of Historic Places is the official federal list of districts, sites, buildings, structures, and objects significant in American history, architecture, archeology, engineering, and culture. These contribute to an understanding of the historical and cultural foundations of the nation.

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

The National Register includes:

- All prehistoric and historic units of the National Park System;
- National Historic Landmarks, which are properties recognized by the Secretary of the Interior as possessing national significance; and
- Properties significant in American, state, or local prehistory and history that have been nominated by State Historic Preservation Officers, federal agencies, and others, and have been approved for listing by the National Park Service.

Date of Government Version: 03/15/2000

Federal Contacts for Additional Information

Park Service; Advisory Council on Historic Preservation
1849 C Street NW
Washington, DC 20240
Phone: (202) 208-6843

State Contacts for Additional Information

Kentucky Heritage Council 502-564-7005

Indian Religious Sites

Federal Contacts for Additional Information

Department of the Interior- Bureau of Indian Affairs
Office of Public Affairs
1849 C Street, NW
Washington, DC 20240-0001
Office: 202-208-3711
Fax: 202-501-1516

National Association of Tribal Historic Preservation Officers
1411 K Street NW, Suite 700
Washington, DC 20005
Phone: 202-628-8476
Fax: 202-628-2241

State Contacts for Additional Information

A listing of local Tribal Leaders and Bureau of Indian Affairs Representatives can be found at:
<http://www.doi.gov/bia/areas/agency.html>

FLOOD PLAIN, WETLANDS AND COASTAL ZONE

Flood Plain Management

Government Records Searched in This Report

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

Federal Contacts for Additional Information

Federal Emergency Management Agency 877-3362-627

State Contacts for Additional Information

Dept. of Military Affairs, Emergency Mgmt. 502-564-8681

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

Wetlands Protection

Government Records Searched in This Report

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 1999 from the U.S. Fish and Wildlife Service.

Federal Contacts for Additional Information

Fish & Wildlife Service 813-570-5412

State Contacts for Additional Information

Dept. of Fish & Wildlife Resources 502-564-3400

Coastal Zone Management

Government Records Searched in This Report

CAMA Management Areas

Dept. of Env., Health & Natural Resources
919-733-2293

Federal Contacts for Additional Information

Office of Ocean and Coastal Resource Management
N/ORM, SSMC4
1305 East-West Highway
Silver Spring, Maryland 20910
301-713-3102

State Contacts for Additional Information

FCC & FAA SITES MAP

For NEPA actions that come under the authority of the FCC, the FCC requires evaluation of Antenna towers and/or supporting structures that are to be equipped with high intensity white lights which are to be located in residential neighborhoods, as defined by the applicable zoning law.

Government Records Searched in This Report

Cellular

Federal Communications Commission

Mass Media Bureau
2nd Floor - 445 12th Street SW
Washington DC 20554 USA
Telephone (202) 418-2700

Portions copyright (C) 1999 Percon Corporation. All rights reserved.

Tower

Federal Communications Commission

Mass Media Bureau
2nd Floor - 445 12th Street SW
Washington DC 20554 USA
Telephone (202) 418-2700

Portions copyright (C) 1999 Percon Corporation. All rights reserved.

Antenna Registration

Federal Communications Commission

Mass Media Bureau
2nd Floor - 445 12th Street SW
Washington DC 20554 USA
Telephone (202) 418-2700

Portions copyright (C) 1999 Percon Corporation. All rights reserved.

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

AM Tower

Federal Communications Commission
Mass Media Bureau
2nd Floor - 445 12th Street SW
Washington DC 20554 USA
Telephone (202) 418-2700

FAA Digital Obstacle File

National Oceanic and Atmospheric Administration
Telephone: 301-436-8301
Describes known obstacles of interest to aviation users in the US. Used by the Federal Aviation Administration (FAA) and the National Oceanic and Atmospheric Administration to manage the National Airspace System.

OTHER CONTACT SOURCES

NEPA Single Point of Contact

State Contacts for Additional Information
Department for Local Government
Kentucky State Clearinghouse
1024 Capital Center Drive
Suite 340
Frankfort, KY 40601
502-573-2382

Excessive Radio Frequency Emission

For NEPA actions that come under the authority of the FCC, Commission actions granting construction permits, licenses to transmit or renewals thereof, equipment authorizations or modifications in existing facilities, require the determination of whether the particular facility, operation or transmitter would cause human exposure to levels of radio frequency in excess of certain limits.

Federal Contacts for Additional Information

Office of Engineering and Technology
Federal Communications Commission
445 12th Street SW
Washington, DC 20554
Phone: 202-418-2470



"Linking Technology with Tradition"

Sanborn® Map Report

Ship to: Jeffrey D. Major

Environmental Consultants

PO Box 742

Hopkinsville, KY 42241

Order Date: 2/20/2002

Completion Date: 02/20/2002

Inquiry #: 737026.5S

P.O. #: envjdm201

Site Name: Trigg County Industrial Property

Address: US Highway 68

City/State: Cadiz, KY 42211

1013468TMP

502-886-2187

Cross Streets: KY Highway 276 & US Highway 68

This document reports that the largest and most complete collection of Sanborn fire insurance maps has been reviewed based on client-supplied information, and fire insurance maps depicting the target property at the specified address were not identified.

NO COVERAGE

All maps provided pursuant to a Sanborn® Map Report are currently reproducible of fire insurance maps owned or licensed by Environmental Data Resources, Inc. NO WARRANTY, EXPRESSED OR IMPLIED IS MADE WHATSOEVER. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, WARRANTIES AS TO ACCURACY, VALIDITY, COMPLETENESS, SUITABILITY, CONDITION, QUALITY, MERCHANTABILITY, OR FITNESS FOR A PARTICULAR USE OR PURPOSE WITH RESPECT TO THE REPORT, THE MAPS, THE INFORMATION CONTAINED THEREIN, OR THE RESULTS OF A SEARCH OR OTHERWISE. ALL RISK IS ASSUMED BY THE USER. Environmental Data Resources, Inc. assumes no liability to any party for any loss or damage whether arising out of errors or omissions, negligence, accident or any other cause. In no event shall Environmental Data Resources, Inc., its affiliates or agents, be liable to anyone for special, incidental, consequential or exemplary damages.

Copyright 2002, Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format of any map of Environmental Data Resources, Inc. (whether obtained as a result of a search or otherwise) may be prohibited without prior written permission from Environmental Data Resources, Inc. Sanborn and Sanborn Map are registered trademarks of Environmental Data Resources, Inc.