

Phase I Environmental Site Assessment
of the
Vacant Property at Commerce Park
in
Hopkinsville, Kentucky

prepared for

Ms. Kim Schippers
Hopkinsville-Christian County Economic Development Council

June 29, 2006

EARTH SCIENCE ENGINEERING, LLC

Project # 65645



EARTH SCIENCE ENGINEERING, LLC

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Clarksville, TN 37040
931-645-8008 Fax: 931-645-0180



Thursday, June 29, 2006

Ms. Kim Schippers
Hopkinsville-Christian County Economic Development Council
1209 South Virginia Street
Hopkinsville, KY 42241

RE: Phase I Environmental Site Assessment of
Commerce Park Vacant Property
in Hopkinsville, Kentucky
ESE project #: 65645

Dear Ms. Schippers:

Earth Science Engineering, LLC (ESE) is pleased to submit this Environmental Site Assessment Report of the vacant property located at Commerce Park on US Highway 41 South in Hopkinsville, Kentucky. One copy of the report is attached.

It has been a pleasure to provide our services to you. ESE welcomes the opportunity to perform environmental site assessments for other projects undertaken by you and/or your clients. If you should have any questions concerning any aspects of this report, please call 645-8008 or e-mail info@eseng.us at your earliest convenience.

Sincerely,

EARTH SCIENCE ENGINEERING, LLC

A handwritten signature in cursive script, appearing to read "Billie J. Osborne".

Billie J. Osborne
(Project Consultant)

A handwritten signature in cursive script, appearing to read "Chris Casteel".

Christopher K. Casteel, P.E.

CKC/BJO/jlb

Phase I Environmental Site Assessment
Vacant Property at Commerce Park
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INTRODUCTION

Authorization. Pursuant to the request of Ms. Kim Schippers of the Hopkinsville-Christian County Economic Development Council, Earth Science Engineering, LLC (ESE) has completed a Phase I Environmental Site Assessment of the vacant property located at Commerce Park on US Highway 41 South in Hopkinsville, Kentucky. ESE's services were performed in general accordance with discussions with Ms. Kim Schippers of the Hopkinsville - Christian County Economic Development Council and past Phase I Environmental Site Assessments performed for the client.

Purpose. The purpose of this investigation was to provide the client a current professional opinion as to the potential for the site to have been environmentally impacted by present, former, and adjacent property owners or tenants. ESE's opinion was derived with information gathered while observing available aerial photographs, reviewing regulatory agency listings, a cursory deed history review, and conducting a reconnaissance of the subject site.

SITE DESCRIPTION

Location. The subject site is located in Commerce Park on U. S. Highway 41 South in Hopkinsville, Christian County, Kentucky. The subject property covers approximately 174± acres and is vacant. The entire Commerce Park area with the general area of the subject property outlined is included in Appendix A.

According to the USGS 7.5 Minute Series Topographical Map of the Hopkinsville Quadrangle, Kentucky, dated July 1, 1989, elevations at the subject site range from approximately +650 to +622 feet above mean sea level. The topo map indicates some sinkhole development in the extreme southwest corner of the property near the former residence in the southwest portion. An excerpt from the USGS topographical map is also provided in Appendix A.

The existing subject property is vacant and slightly hilly with hillsides sloping gradually towards the north west and southeast with the majority sloping to the southeast towards a blue line stream. The entire site is presently used for agricultural purposes.



Surface Conditions. The subject property is located on the central and northwest side of the Commerce Park off State Highway 41 eight miles southeast of downtown Hopkinsville, Kentucky. Most of the subject property is under cultivation for wheat, tobacco and soybeans. Storm water runoff drains from the property in the north by overland flow and in the south-southeast towards a blue line stream located in the western area of the property. (Note: The stream shows as a purple line on the USGS Topo Quad map as it was added to the map in 1989.) The site is bounded by the CSX Railroad to the south.

Adjacent Properties. The immediate vicinity of the subject site is primarily agricultural and industrial. The following properties are located immediately adjacent to the subject site:

<u>Direction from Site</u>	<u>Name</u>
North	Residence and T. G. Automotive Sealing, Inc.
East	Agriculture farmland
South	Agriculture farmland
West	FP International, CoPar Aluminum, and Means & Fort Electric



RESEARCH FINDINGS

Aerial Photographs. Locally available aerial photographs showing the subject site at various years in the past were reviewed. The photographs were reviewed to evaluate past activities on or adjacent to the subject site. The reviewed aerial photographs include the following:

<u>Year</u>	<u>Reported Scale</u>	<u>Source</u>
1950	1"=1320'	USDA Soil Conservation Service
1977	1"=1320'	USDA Soil Conservation Service
1981	1"~1667'	USGS
1988	1"~1667'	USGS
1993	1"=1320'	USGS
2005	1"~1000'	USGS

Photocopies of each aerial photograph are on file at ESE. A review of these aerial photographs gives no indication of adverse activities or conditions that would be an adverse environmental concern. The aerial photographs only go back as far as 1950 and are of such small scale as to be lacking in significant detail.

Soil Survey. Most of the above listed aerial photography was obtained from the Hopkinsville Field Office of the Christian County Soil Survey Service. The Christian County Soil Survey states that the surface soils at the subject property consists of Pembroke-Crider Silt Loam with 2 to 6 percent slopes.

Pembroke-Crider Silt Loam, according to the survey, is a deep, well drained, gently sloping soil on broad, smooth ridges. The surface layer is brown silt loam about 9 inches thick. The subsoil may extend to a depth of about 99 inches. The soil is highly fertile and has good potential for cultivated crops. Depth to bedrock is usually greater than 60 inches.

Site Geology. According to information published by the Kentucky Geologic Society of the University of Kentucky, the subject site is located in the Mississippian Plateau or Pennyrile Region that extends into Tennessee. Characterized by sink holes, sinking streams, streamless valleys, springs and caverns, the region is notable for containing the Mammoth Cave-Flint Ridge cave system. The Karst terrain is common throughout the Mississippian Plateau and is the result of soluble limestone bedrock that are easily eroded by waters moving through the ground.



Chain-of-Title. As part of this environmental site assessment (ESA), chronological chain-of-title documents and references were briefly reviewed at the Christian County Court Clerk's Office. The subject property was owned several individuals families engaged in the farming business. The subject property was purchased in 1993 and incorporated into the Hopkinsville, KY Commerce Park for the purpose of becoming an industrial park. The subject property is presently leased for agricultural purposes and was used for agricultural purposes prior to purchase by Hopkinsville, Kentucky Industrial Foundation.

City Directories concerning surrounding properties were research through the 1930s. No sites were found near the subject property that may indicate an environmental impact.

Environmental Questionnaire. ESE's environmental questionnaire was provided to Ms. Kim Schippers. On June 27, 2006 the questionnaire, completed by Mr. John B Crenshaw, was forwarded to ESE. Routine use of herbicides and pesticides for agricultural purposes was designated on the questionnaire. No items of significant environmental impairment were indicated on the environmental questionnaire. A copy of the completed questionnaire is attached in the Appendix.

Personal Interviews. Due to the rural location, few options were available for a personal interview. Mr. Mike Fort, the residence owner located adjacent to the subject property to the north across US Highway 41 was contacted by telephone. Mr. Fort stated that he has lived at his present address for 20 years, but has lived in the county for over 50 years. As long as he has lived there, he recalls that the subject property has been only farmland and used for agricultural purposes.

Previous Phase I Environmental Site Assessment. This Environmental Site Assessment (ESA) investigates the subject property that is located within Commerce Park in Hopkinsville, KY. The subject property is approximately 174 acres of vacant land located in the western portion of Commerce Park. It is bounded by the CSX Railroad to the south, vacant land to the west, and FP International, CoPar Aluminum, and Means & Fort Electric to the east.

Two previous ESA have been performed on the entire Commerce Park property. The first was provided by Howard K. Bell Consulting Engineers, Inc. in August 1993. The second was provided in February 1998 and was developed by Woolpert LLP of Hopkinsville, Kentucky. The findings of the 1998 ESA indicates some potential environmental concerns that were located in the northwestern portion and near the north boundary of the Commerce Park property. These concerns included a cemetery, potential wetland areas associated with the blue line stream, karst (sinkhole) features, and debris piles next to a house on the northwestern parcel.



An abandoned building and a cemetery reported in the 1998 ESA were not observed during this site investigation. It is apparent that all buildings from former residences have been removed. The cemetery was not observed by ESE and may have either removed or is overgrown with vegetation. Copies of the previous Phase I ESA reports are attached in Appendix E.

National Wetlands Inventory. The National Wetlands Inventory maintained by the US Fish and Wildlife Service was consulted for wetlands on or near the subject site. The inventory indicates very little wetlands exists on the subject property. However, the buffer zones of the blue line stream shown on the topo map may be considered a wetlands area and must be taken into consideration when developing the property. A map of the wetland area is attached in Appendix B.

100-year Flood Survey. The FEMA Flood Insurance survey maps were consulted for 100-year flood areas on or near the subject site. The nearest 100-year flood area is the flood plain of the South Fork River, approximately three miles northeast of the subject site.

Regulatory Agency Listings. Environmental information regarding the subject site was obtained from a commercial database service. A search of USEPA and Commonwealth of Kentucky environmental databases for the subject site was performed by Environmental Data Resources, Inc. (EDR). EDR's report of their search was provided to ESE and is included as Appendix B.

The EDR report is a compilation of Federal and State environmental data that can identify environmental problem sites and activities. The EDR report is not a substitute for a thorough environmental assessment, but rather a useful tool that can identify possible items of environmental concern early on in an assessment. The EDR report is also valuable for providing information regarding activities at off-site properties.



The data contained in the EDR report consists of the following files searched for properties within the noted radii of the subject site:

<u>Regulatory Agency File</u>	<u>Distance from site (mile)</u>
National Priority List (NPL)	1.5
Proposed National Priority List (Proposed NPL)	1.5
RCRA Corrective Actions [w/o TSD] (CORRACTS)	1.5
State Hazardous Waste	1.5
CERCLA Superfund Consent Decrees (CONSENT)	1.5
Records of Decision (ROD)	1.5
National Priority List Deletions (Delisted NPL)	1.5
Sites Currently or Formerly Under Review by US EPA (CERCLIS)	1
RCRA Corrective Actions and Associated TSD (RCRIS-TSD)	1
State Landfill	1
Voluntary Cleanup Program Sites (VCP)	1
CERCLIS No Further Remedial Action Planned (CERCLIS / NFRAP)	3/4
RCRA Registered Small or Large Generators of Hazardous Waste (GNRTR)	3/4
Registered Underground Storage Tanks (UST)	3/4
Mines Master Index File (MINES)	3/4
Emergency Response Notification System of Spills (ERNS)	Site
Facility Index System (FINDS)	Site
Hazardous Materials Information Reporting System (HMIRS)	Site
Materials Licensing Tracking System (MLTS)	Site
Federal Superfund Liens (NPL Liens)	Site
PCB Activity Database System (PADS)	Site
RCRA Administrative Action Tracking System (RAATS)	Site
Toxic Chemical Release Inventory System (TRIS)	Site
Toxic Substances Control Act Tracking System (FTTS)	Site

The EDR report indicated that the subject site has not previously been, and is not currently under Federal or State investigation regarding environmental impairment.



UST Facilities No existing or former UST sites were found within a three-quarter mile radius of the subject property.

LUSTs (leaking underground storage tank systems) in Kentucky are reported as SBI93 USTs by EDR. No such SBI93 USTs were found within a one-mile radius of the subject property.

State Hazardous Waste Sites There are no sites within an one and a half mile radius of the subject property that are on Kentucky's Department of Environmental Protection's Uncontrolled Site Branch List. Kentucky's Hazardous Waste Sites are the state's equivalent to US Environmental Protection Agency's (EPA's) Compensation and Liability Information System (CERCLIS). State funds are usually used to cleanup the sites, although cleanup may also be paid by responsible parties.

RCRIS Sites The EDR search revealed three RCRIS sites within a three-quarter mile radius of the subject property. However, site reconnaissance and review of EPA online databases indicated three additional RCRIS site within the three-quarter mile radius.

These sites and their locations are listed below:

Copar Aluminum, 750 Frank Yost Lane, Hopkinsville, KY

PTC Alliance Hopkinsville Plant, 500 Frank Yost Lane, Hopkinsville, KY

TG Automotive Sealing, LLC, 501 Frank Yost Lane, Hopkinsville, KY

Amfine Chemical Corporation, 6805 John River Road, Hopkinsville, KY

Sun Chemical Division, 100 Sun Chemical Court, Hopkinsville, KY

Siemer Milling Company, 315 Quintin Court, Hopkinsville, KY

The EDR search indicated that PTC Alliance incurred some violation in the past due to last reporting of their Biennial Hazardous Waste Report. The last incident was recorded in 1998.

Unmappable Sites There were several sites listed by the EDR Report that had poor or inadequate address information. Many of these sites were eliminated as potential impacts to the subject property site by address verification. Those eliminated were located more than one mile from the subject property site. The following sites location and addresses, however, were not verified:

<u>SITE NAME</u>	<u>DATABASE</u>
Gray PCB	CERCLIS, FINDS
Unknown	UST
Frank M. Christopher	UST
Nora Mathews	UST
Red Bridge Grocery	UST
Foard Property	SHWS
Clarke Petroleum Electronics	SWF?LF
Soil/Water Unit On Property	ERNS
Soil/Water Unit On Property	ERNS

These sites were researched for proximity to the subject site.

The UST site listed as "Unknown" has an address of Hwy 41A. The nearest US Highway 41A is over one mile west of the subject property. The distance makes the likelihood of environmental impact from the Unknown site minimal.

Two UST sites with inadequate addresses are listed under names of individuals. Frank M. Christopher has an address of Route 9. A Frank M. Christopher is listed in the Hopkinsville, Kentucky phone directory with an address of 502 Noel Drive which is almost one mile west-southwest of the subject property. The distance makes the likelihood of environmental impact from the site minimal.

The last UST site with an inadequate address is Nora Mathews at Route 1. There is not a listing for this name in the Hopkinsville, Kentucky phone directory. The rural route address indicates that the UST site is located out of the downtown area. The distance makes the likelihood of environmental impact from the site minimal.

The Howard "Ned" Gray Transformer Dump Site is listed on the Facility Index System (FINDS) and the FIFRA/TSCA Tracking System (Federal Insecticide, Fungicide, & Rodenticide Act/Toxic Substances Control Act) which is abbreviated to FTTS INSP. The site's address is given as Old Gainesville-Cemetery Road. The city directories were researched for information concerning this site and its location. A Mr. Howard E. Gray was found to have lived at 1012 Moayan Drive until at least 1989. The address of 1012 "Moayan" Drive is listed as a CERCLIS site in the USEPA Superfund Information System online database known as Gray PCB. This site is still active according to the Kentucky State Superfund List although USEPA documentation ends in the year 1998. The site address of 1012 Moayan Drive is located about 2.9 miles northwest of the subject property.



The address given for the Howard "Ned" Gray Transformer Dump Site is Old Gainesville-Cemetery Road. Research of the historical city directories back to 1930 did not indicate that a road by this name exists. There is, however, an Old Greenville Road that has a Gainesville Baptist Church located on it. The location of Old Greenville Road is located over 7.5 miles north-northeast of the subject property.

The remaining sites, Red Bridge Grocery, Foard Property, and Clarke Petroleum Electronics had general addresses that in were over two miles distance from the subject property. Consequently, they were not researched.

Two entries in the EDR Orphan Summary, were spill incidents listed in the USEPA's ERNS (Emergency Response Notification System) database. This information was research using the online Right-To-Know database (www.rtknet.org). The incidents listed were a spill and a cleanup located at Meriter Suspension Co., Inc., 102 Bill Bryant Boulevard in Hopkinsville, KY. The facility is over two miles to the north of the subject property.

Sanborn Fire Insurance Maps. The Sanborn Fire Insurance Maps of a city show detailed individual building "footprints," complete with construction details such as building material (brick, adobe, frame, etc.), height (of larger buildings), number of stories, location of doors, windows, chimneys and elevators, use of structure (dwelling, hotel, church, etc.), street address, and occasionally the ethnicity of the occupants. Other features shown include lot lines, street widths, water pipes, hydrants and cisterns, and fire-fighting facilities. The maps were originally produced for insurance underwriters who used them to determine risks and establish premiums. No Sanborn Fire Insurance Maps existed for the subject property site.



SITE RECONNAISSANCE FINDINGS

Overview. Reconnaissance of the subject site was conducted by Earth Science Engineering, LLC project consultant Billie J. Osborne, P.E. on June 23, 2006. The purpose of the site reconnaissance was to observe and note any obvious indicators of potential environmental impairments that may be present at the site. Visual observations were also made for the presence of potentially hazardous materials and/or activities adjacent to the site and to note likely pathways along which such materials can migrate onto the subject site. Particular attention was given to searching for the following:

Stained soil	Potential conduits to groundwater
Stressed vegetation	Electrical transformers
Fill piles	Underground storage tanks and piping systems

Photographs were taken during the site reconnaissance and are included in Appendix C.

Observations. The site reconnaissances involved the observation for various items which may pose an environmental concern at or adjacent to the subject site. Observations of adjacent properties were limited to those portions of the adjacent properties that could readily be seen from within the boundaries of the subject site. A discussion of these observations is provided in the following sections.

Cemetery - In the 1998 ESA, a family cemetery was located in the northwestern portion of the subject property. The cemetery is in a stand of trees. The tree stands observed during this site investigation were heavily vegetated and the grave markers were not observed.

Underground Storage Tanks. No indications of underground storage tanks (USTs) were observed at or adjacent to the subject property. No signs of monitoring wells or vent/fill pipes indicating the presence of USTs were observed.

Asbestos and Lead-Based Paint - Asbestos and a lead-based paint surveys were not a part of the scope of work of this ESA.

Electrical Transformers. No transformers were observed on the subject property. Electricity is available to the site provided by Pennyrile Rural Electric Co-Op Corporation. Electrical power lines are for existing industries in Commerce Park. Several transformers were observed in the adjacent industrial facilities to the north, east, and south

Drums. No drums were observed on or adjacent to the subject property.

Fill Piles. No fill piles were observed on or adjacent to the subject property.



Utilities. The subject property is vacant and presently does not have on site utilities. Several overhead electrical lines were observed in Commerce Park. Electricity is supplied by Pennyrite Rural Electric Co-Op Corporation. Underground water and sewer services are provided by Hopkinsville Water Environment Authority. Natural gas is supplied by Atmos Energy Corporation. The subject property site is traversed in a north-south direction by high tension power lines operated by the Tennessee Valley Authority.

Surface Drainage. Storm water runoff drains from the property in the north by overland flow and in the south east towards a blue line stream located.

Aboveground Storage Tanks. No aboveground storage tanks (ASTs) were observed on the subject property. A piece of roofing tin was observed near a former home site. The subject property contains several groups of trees that are heavily vegetated. These areas may contain some debris when development clears the areas. Except for the former home sites and the graveyard located in the northwestern section, most of the treed areas are overgrown sinkhole depressions that are not utilized for agriculture.

Surface Staining/Stressed Vegetation. No surface staining or stressed vegetation was observed on or adjacent to the subject site. No insecticide or fertilizer chemicals storage was observed on the subject property.

Potential Conduits to Groundwater. No obvious conduits to groundwater were observed on or adjacent to the subject site.

Soil Sampling. In conjunction with the site reconnaissance, soil samples were obtained from the general area presently being evaluated for construction of a new RIKEN facility. Three near surface samples were obtained from the general areas shown below:

Sample ID	Latitude *	Longitude *
1A and 1B	N36°47.994'	W087°24.087'
2A and 2B	N36°47.943'	W087°24.019'
3A and 3B	N36°47.984'	W087°24.022'

* approximate as from a hand held GPS unit.

Each sample was placed in a laboratory approved container and immediately stored in a cooler with ice. Upon completion of the reconnaissance, the samples were provided to Environmental Science Corporation for the following tests: BTEX (Benzene/Toluene/Ethylbenzene/Xylenes), MBTE (Methyl tert-butyl ether), TPH (Total Petroleum Hydrocarbons) Low Fraction, and PAHs.

Analytical testing resulted in a "Below Detection Level" for all tested parameters. Copies of the analytical test results, as provided by the laboratory, and attached Appendix E.



CONCLUSIONS AND RECOMMENDATIONS

In consideration of our findings and observations, it is ESE's opinion that hazardous materials are not readily present at the subject site in sufficient quantities to preclude the purchase and development of the property. As such, it appears the purchase and/or development of this site does not appear to present a significant environmental risk.

Prior to development of the site, the blue line stream development should be permitted with the Kentucky Department of Environment Protection. Please note that the stream is indicated by a purple line on the attached USGS Topo map as it was added in 1989 as a revision.

It is recommended that the historic family cemetery reported in the 1998 ESA be definitely located so that the remains may be properly removed or the site protected.

Development near the noted sinkhole areas (extreme southwest corner of the property) should include measures to adequately remediate the sinkhole(s). ESE is available to provide geotechnical investigations and design recommendations for sinkhole remediation, if desired.



LIMITATIONS

This environmental site assessment (ESA) has been performed according to generally accepted procedures and practices which are standard in the industry. The findings and conclusions presented in this report are based on limited information and are probabilities derived from professional judgment of the data collected during the course of this investigation. Information furnished to ESE was obtained from sources considered to be reliable and correct. However, ESE has made no investigation to verify the accuracy of information obtained during this ESA.

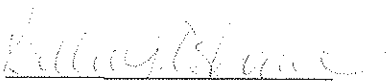
During the performance of this ESA, ESE has assumed that there are no hidden or nonapparent conditions in or of the subject site other than those noted in this report. ESE is not able to warrant that the subject site and adjacent property do not contain hazardous materials beyond those discussed in this report. The evaluation of the environmental risk associated with the migration of contaminants through surface water, groundwater, or air is beyond ESE's scope of work. The verification of wetlands at the site was beyond ESE's scope of work for this ESA.

The observations and conclusions presented herein apply to site conditions existing at the time of this ESA and those reasonably foreseeable. They cannot necessarily apply to site changes of which ESE is not aware and has not had opportunity to evaluate. Information provided to ESE after submittal of this report will be forwarded to client in the form it is received by ESE.

This Phase I Environmental Site Assessment has been prepared for the exclusive use of the Hopkinsville-Christian County Economic Development Council for use in the assessment and evaluation of the environmental condition of property in Commerce Park in Hopkinsville, Kentucky.

Respectfully submitted,

EARTH SCIENCE ENGINEERING, LLC



Billie J. Osborne, P.E.



Christopher K. Casteel, P. E.

Attachments: Appendices



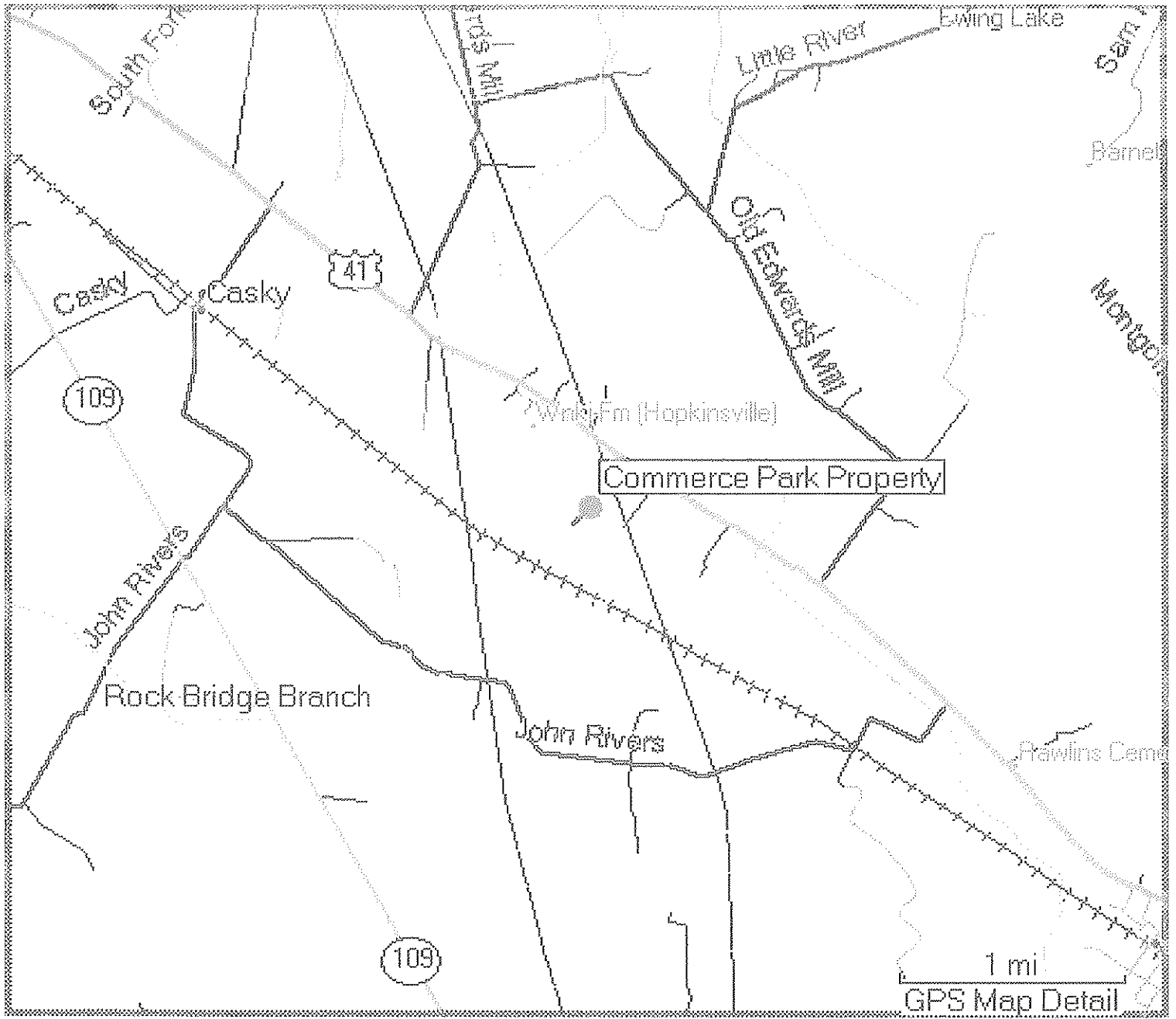
Appendix A

Site Sketch

Site Location Plan

U.S.G.S. Topographical Map





USGS 9 km SE of Hopkinsville, Kentucky, United States 01 Jul 1989

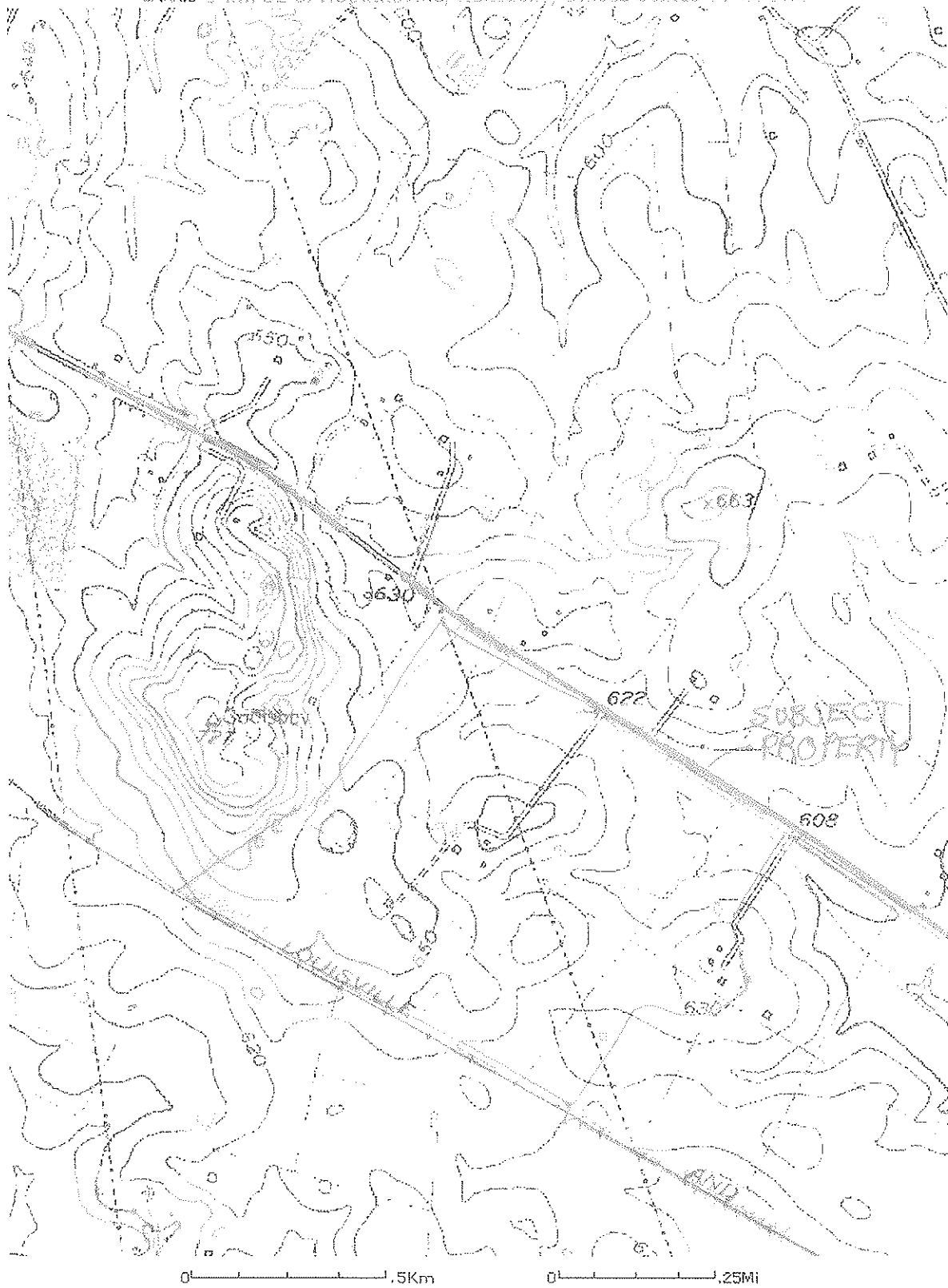
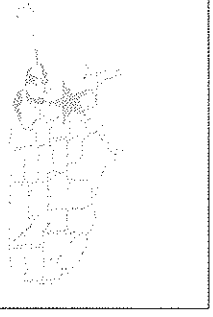


Image courtesy of the U.S. Geological Survey
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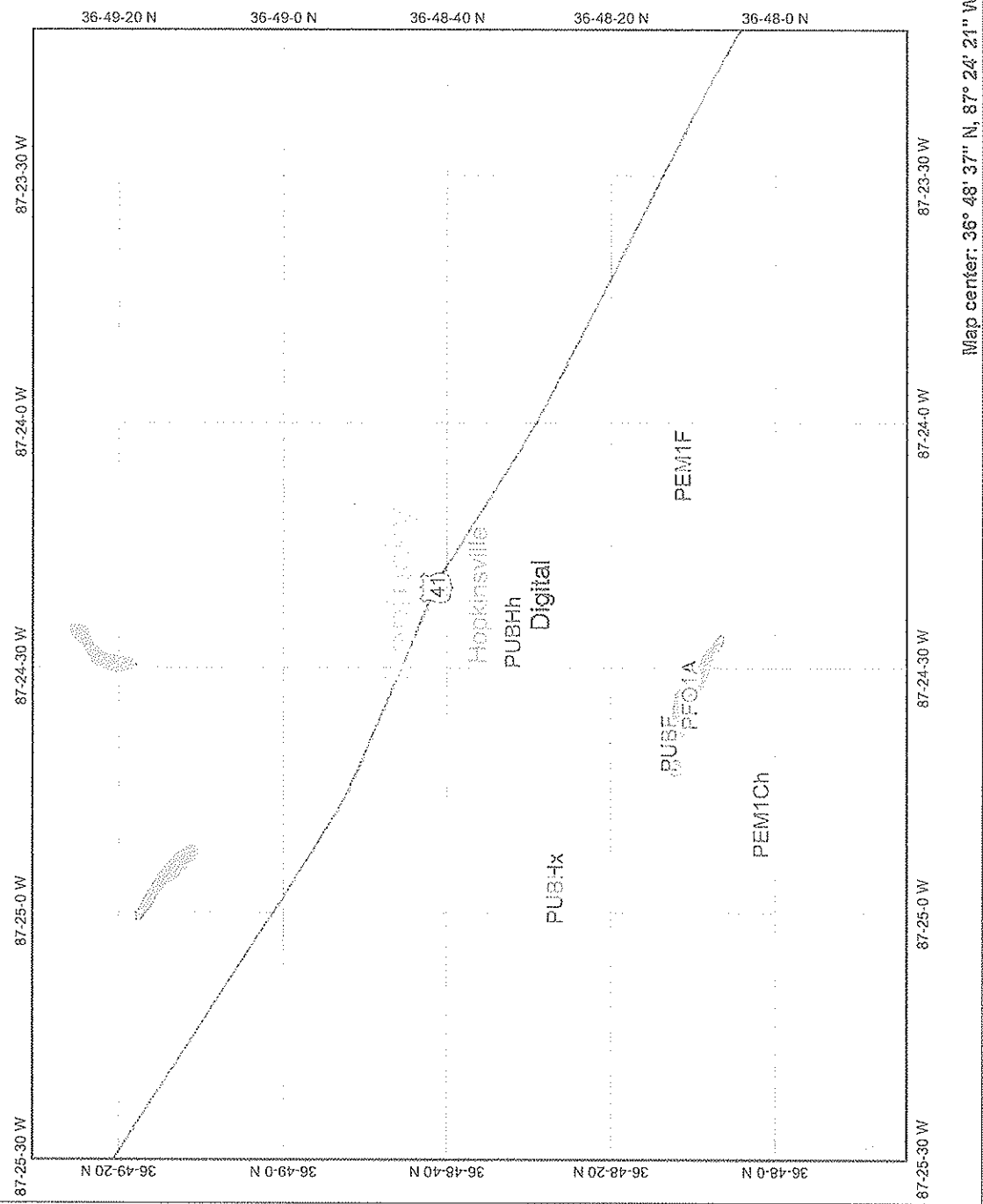
USFWS NWI Wetlands



Legend

- Interstate
- Major Roads
- Other Road
- Interstate
- State highway
- US Highway
- Roads
- Cities
- USGS Quad Index 24K
- Lower 48 Wetland Polygons
- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine
- Lower 48 Available Wetland Data
- Non-Digital
- Digital
- No Data
- Scan
- NHD Streams
- Counties 100K
- Urban Areas 300K
- States 100K
- South America
- North America

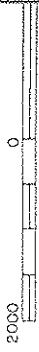
Scale: 1:30,689



Map center: 36° 48' 37" N, 87° 24' 21" W

This map is a user generated static output from an internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

APPROXIMATE SCALE IN FEET:



FLOOD HAZARD BOUNDARY MAP

CHRISTIAN COUNTY KENTUCKY UNINC. AREAS

PAGE 8 OF 12
(SEE MAP INDEX FOR PAGES NOT PRINTED)

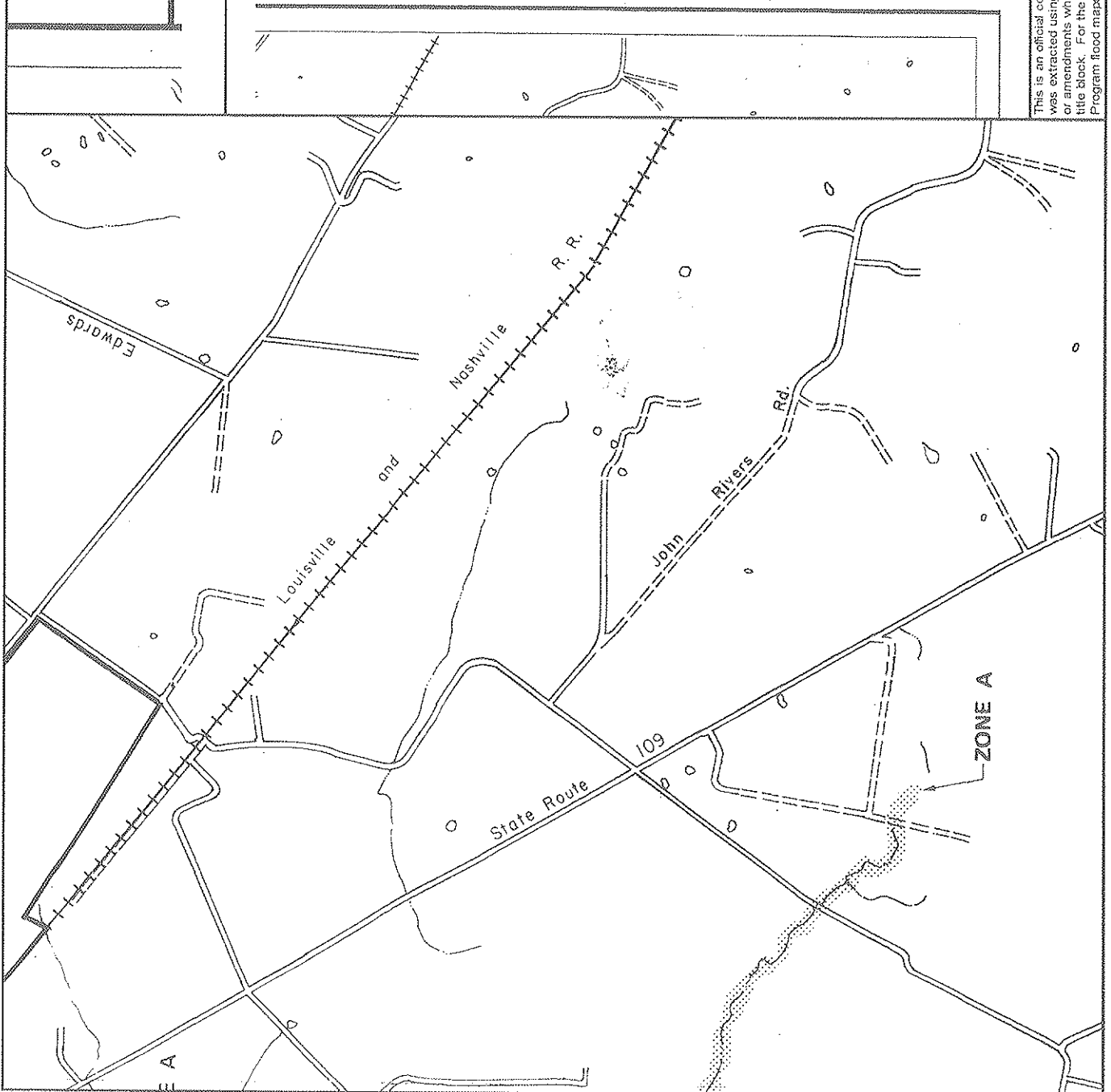
EFFECTIVE DATE:
JUNE 24, 1977

CONVERTED BY LETTER
EFFECTIVE 11/1/97
COMMUNITY--PANEL NUMBER
210277 0008 A



U.S. DEPARTMENT OF HOUSING
AND URBAN DEVELOPMENT
FEDERAL INSURANCE ADMINISTRATION

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov.



Appendix B

Environmental Data Resources, Inc.

Sanborn Maps, Etc.



EDR FieldCheck™ Report
with GeoCheck®



Commerce Park Property
Frank Youst Lane
Hopkinsville, KY 42240

Inquiry Number: 1704479.1s

June 26, 2006

**The Standard in
Environmental Risk
Management Information**

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

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

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

Important information about The EDR FieldCheck® System

The FieldCheck® system enables EDR's customers to make certain online modifications to the maps and text contained in EDR Radius Map Reports, such as relocating/deleting plotted sites or plotting/deleting orphan sites that would otherwise appear with an EDR Radius Map Report, and/or adding sites that would otherwise not appear with an EDR Radius Map Report. Such modifications may be based on site visits, independent data verification and/or other actions taken or decisions made by EDR's customer. As a result, the maps and text contained in this Report may have been so modified. EDR has not taken any action to verify any such modifications, and this report and the findings set forth herein must be read in light of this fact. EARTH SCIENCE should be contacted for information concerning all such modifications.

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EXECUTIVE SUMMARY

At the request of EARTH SCIENCE, a search of the environmental records covering the area detailed herein was conducted by Environmental Data Resources, Inc. (EDRI). This report was derived from the records of such search, which, as conducted by EDRI, met the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-00. Search distances were per ASTM standard or custom distances requested by the user.

NOTE: ALL MAPS AND TEXT INCLUDED HEREIN MAY HAVE BEEN MODIFIED BY EARTH SCIENCE BASED ON SITE VISITS, INDEPENDENT DATA VERIFICATION AND/OR OTHER ACTIONS TAKEN OR DECISIONS MADE BY EARTH SCIENCE. EDR HAS NOT TAKEN ANY ACTION TO VERIFY ANY OF SUCH MODIFICATIONS, AND THIS REPORT AND THE FINDINGS SET FORTH HEREIN MUST BE READ IN LIGHT OF THIS FACT. EARTH SCIENCE SHOULD BE CONTACTED FOR INFORMATION CONCERNING ALL SUCH MODIFICATIONS.

TARGET PROPERTY INFORMATION

ADDRESS

FRANK YOLST LANE
HOPKINSVILLE, KY 42240

COORDINATES

Latitude (North): 35.600300 - 35° 48' 1.1"
Longitude (West): 87.395700 - 87° 23' 44.5"
Universal Transverse Mercator: Zone 16
UTM X (Meters): 464699.4
UTM Y (Meters): 4072589.8
Elevation: 627 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 36087-G4 HOPKINSVILLE, KY
Most Recent Revision: 1982

TARGET PROPERTY SEARCH RESULTS

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

DATABASES WITH NO MAPPED SITES

No sites were found in an online review and analysis by EARTH SCIENCE of 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 RECORDS

NPL National Priority List
Proposed NPL Proposed National Priority List Sites
Delisted NPL National Priority List Delistees
NPL RECOVERY Federal Superfund Liens

EXECUTIVE SUMMARY

CERCLIS Comprehensive Environmental Response, Compensation, and Liability Information System
CERCLIS No Further Remedial Action Planned
CORRACTS Corrective Action Report
RCRA TSDP Resource Conservation and Recovery Act Information
ERNA TSDP Emergency Response Notification System
HMRB Hazardous Materials Information Reporting System
HWS Engineering Controls Sites List
US INST CONTROL Sites with Institutional Controls
DOD Department of Defense Sites
FDBS Formerly Used Defense Sites
US BROWNFIELDS A Listing of Brownfields Sites
CONSENT Superfund (CERCLA) Consent Decrees
ROD Records Of Decision
UMTRA Uranium Mill Tailings Sites
OOI Open Dump Inventory
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)
SSTS Section 7 Tracking Systems
ICIS Integrated Compliance Information System
PADS PCB Activity Database System
MLTS Material Licensing Tracking System
MINES Mines Master Index File
FINDS Facility Index System/Facility Registry System
RAATS RCRA Administrative Action Tracking System

STATE AND LOCAL RECORDS

SHWS State Leads List
SWFLF Solid Waste Facilities List
HIST LF Historical Landfills
SB193 SB193 Branch Site Inventory List
UST Underground Storage Tank Database
INST CONTROL State Superfund Database
VCP Voluntary Cleanup Program Sites
DRYCLEANERS Drycleaner Listing
LEAD Environmental Lead Program Report Tracking Database

TRIBAL RECORDS

INDIAN RESERV Indian Reservations

EDR PROPRIETARY RECORDS

Manufactured Gas Plants, ... EDR Proprietary Manufactured Gas Plants

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

EXECUTIVE SUMMARY

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

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

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

FEDERAL RECORDS

RCRAInfo: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

An online review and analysis by EARTH SCIENCE of the RCRA-LQG list, as provided by EDR, and dated 03/09/2006 has revealed that there are 2 RCRA-LQG sites within approximately 0.75 miles of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
TG AUTOMOTIVE SEALING KENTUCKY	501 FRANK YOST LANE	1/A - 1/2NE	2	6
PTC ALLIANCE- HOPKINSVILLE PLA	US RTE 41S 500 FRANK Y	1/A - 1/2ENE	3	8

RCRAInfo: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

An online review and analysis by EARTH SCIENCE of the RCRA-SQG list, as provided by EDR, and dated 03/09/2006 has revealed that there is 1 RCRA-SQG site within approximately 0.75 miles of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
COPAR INC	750 FRANK YOST LN	1/A - 1/2NE	1	6

EXECUTIVE SUMMARY

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

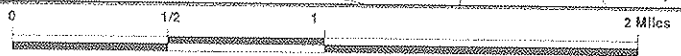
Site Name	Database(s)
BOARD PROPERTY	SHWS
GRAY PCB	CERCLIS, FINDS
CLARKE PETROLEUM ELECTRONICS	SWFIFL
NORAMATHREWS	UST
UKYDOWN	UST
RED BRIDGE GROCERY	UST
FRANK W CHRISTOPHER	UST
SOIL/WATER UNIT ON PROPERTY	ERNS
SOIL/WATER UNIT ON PROPERTY	ERNS

OVERVIEW MAP - 1704479.1s



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

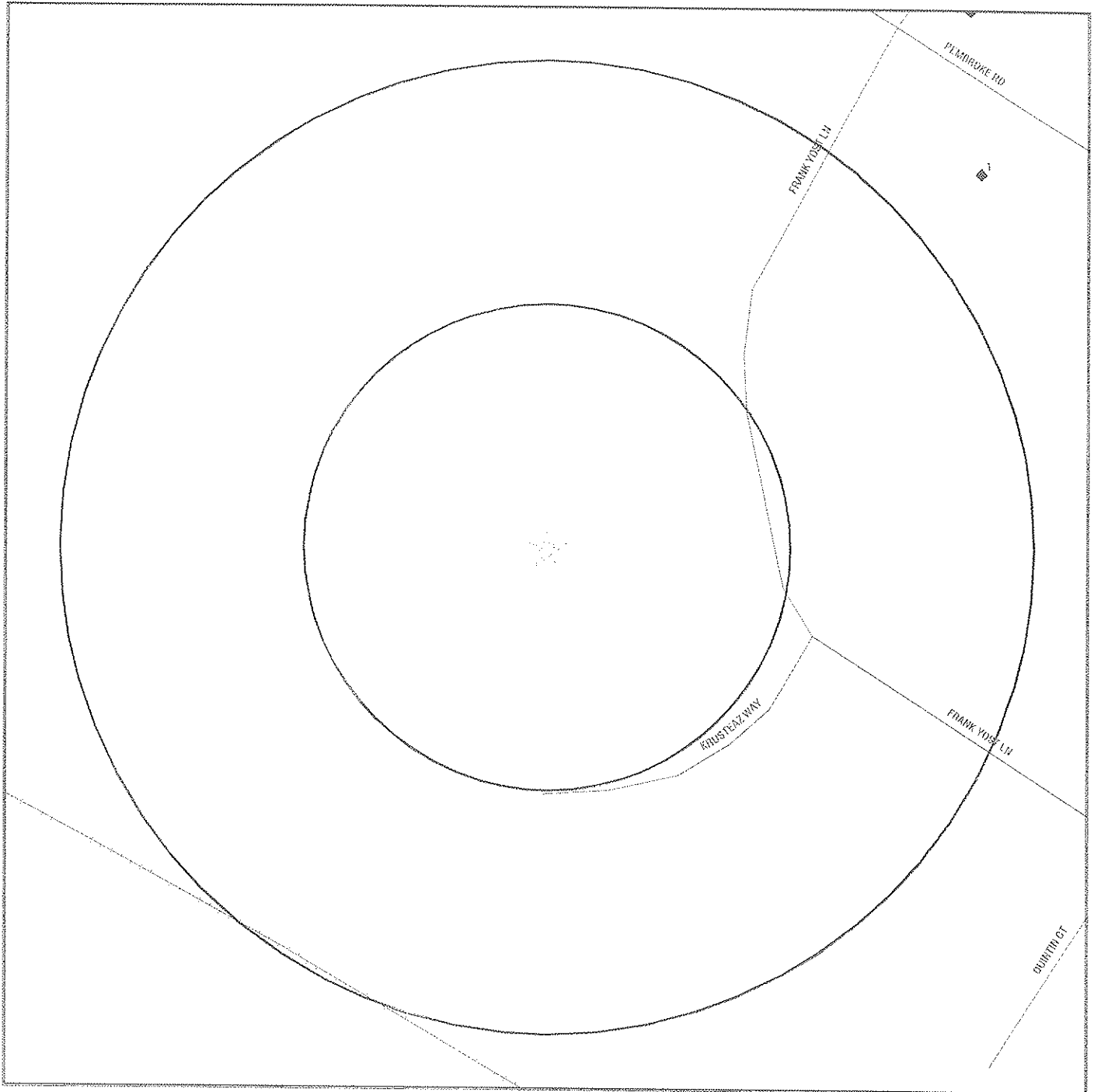
- Indian Reservations BIA
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands



SITE NAME: Commerce Park Property
 ADDRESS: Frank Youst Lane
 Hopkinsville KY 42240
 LAT/LONG: 36.8003 / 87.3957

CLIENT: Earth Science
 CONTACT: B. J. Osborne
 INQUIRY #: 1704479.1s
 DATE: June 26, 2006

DETAIL MAP - 1704479.1s



<ul style="list-style-type: none"> ★ Target Property ▲ Sites at elevations higher than or equal to the target property ◆ Sites at elevations lower than the target property ▲ Manufactured Gas Plants ▲ Sensitive Receptors ■ National Priority List Sites ■ Landfill Sites ■ Dept. Defense Sites 		<ul style="list-style-type: none"> ■ Indian Reservations BIA ■ Oil & Gas pipelines ■ 100-year flood zone ■ 500-year flood zone ■ National Wetland Inventory ■ State Wetlands
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SITE NAME: Commerce Park Property ADDRESS: Frank Youst Lane Hopkinsville KY 42240 LAT/LONG: 36.8003 / 87.3957	CLIENT: Earth Science CONTACT: B. J. Osborne INQUIRY #: 1704479.1s DATE: June 26, 2006
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MAP FINDINGS SUMMARY

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
FEDERAL RECORDS								
NPL	Proposed NPL	1.500	0	0	0	0	0	0
	Delisted NPL	1.500	0	0	0	0	0	0
	NPL RECOVERY	0.500	0	0	0	NR	NR	0
	CERCLIS	1.000	0	0	0	0	NR	0
	CERC-NFRAP	1.000	0	0	0	0	NR	0
	CORRACTS	1.500	0	0	0	0	0	0
	RCRA TSD	1.000	0	0	0	0	NR	0
	RCRA Lg. Quac. Gen.	0.750	0	0	2	0	NR	2
	RCRA Sm. Quac. Gen.	0.750	0	0	1	0	NR	1
	ERNS	0.500	0	0	0	NR	NR	0
	HMMRS	0.500	0	0	0	NR	NR	0
	US ENG CONTROLS	1.000	0	0	0	0	NR	0
	US INST CONTROL	1.000	0	0	0	0	NR	0
	DOD	1.500	0	0	0	0	0	0
	FUDS	1.500	0	0	0	0	0	0
	US BROWNFIELDS	1.000	0	0	0	0	NR	0
	CONSENT	1.500	0	0	0	0	0	0
	ROD	1.500	0	0	0	0	0	0
	UMTRA	1.000	0	0	0	0	NR	0
	ODI	1.000	0	0	0	0	NR	0
	TRIS	0.500	0	0	0	0	NR	0
	TSCA	0.500	0	0	0	NR	NR	0
	FTIS	0.500	0	0	0	NR	NR	0
	SSIT'S	0.500	0	0	0	NR	NR	0
	ICIS	0.500	0	0	0	NR	NR	0
	PADS	0.500	0	0	0	NR	NR	0
	MULTS	0.500	0	0	0	NR	NR	0
	MINES	0.750	0	0	0	NR	NR	0
	FINDS	0.500	0	0	0	0	NR	0
	RAATS	0.500	0	0	0	NR	NR	0
STATE AND LOCAL RECORDS								
	State Haz Waste	1.500	0	0	0	0	0	0
	State Landfill	1.000	0	0	0	0	NR	0
	HST L'	1.000	0	0	0	0	NR	0
	SSI93	1.500	0	0	0	0	NR	0
	UST	0.750	0	0	0	0	NR	0
	INST CONTROL	1.000	0	0	0	0	NR	0
	VOC	1.000	0	0	0	0	NR	0
	DRYCLEANERS	0.750	0	0	0	0	NR	0
	LEAD	0.500	0	0	0	NR	NR	0
TRIBAL RECORDS								
	INDIAN RESERV	1.500	0	0	0	0	0	0
EDR PROPRIETARY RECORDS								
	Manufactured Gas Plants	1.500	0	0	0	0	0	0

NOTES:
 TP = Target Property
 NR = Not Requested at this Search Distance
 Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site
Elevation

Database(s)

EPR ID Number
EPA ID Number

Site
Elevation

Database(s)

EPR ID Number
EPA ID Number

1
NE
1/4-1/2
1557 ft.

COPAR INC
759 FRANK YOST LN
HOPKINSVILLE, KY 42240

RCRA-SQG
1009402852
KYR000043521

RCRAInfo
Owner: COPAR INC
(270) 890-8221
EPA ID: KYR000043521
Contact: DAMN MACDOWELL
(270) 890-9221

Classification: Conditionally Exempt Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

2
NE
1/4-1/2
1858 ft.

TG AUTOMOTIVE SEALING KENTUCKY, LLC
501 FRANK YOST LANE
HOPKINSVILLE, KY 42240

RCRA-LOG
1007202491
KYR000036244

RCRAInfo
Owner: TG AUTOMOTIVE SEALING KENTUCKY, LLC
(270) 475-1400
EPA ID: KYR000036244
Contact: JOSHUA RENSCHAW
(270) 475-1400

Classification: Large Quantity Generator
TSDF Activities: Not reported
Violation Status: Violations exist

Regulation Violated:
Area of Violation:
Date Violation Determined:
Actual Date Achieved Compliance:
Enforcement Action:
Enforcement Action Date:
Penalty Type:
Regulation Violated:
Area of Violation:
Date Violation Determined:
Actual Date Achieved Compliance:
Enforcement Action:
Enforcement Action Date:
Penalty Type:
Regulation Violated:
Area of Violation:
Date Violation Determined:
Actual Date Achieved Compliance:
Enforcement Action:
Enforcement Action Date:
Penalty Type:
Regulation Violated:
Area of Violation:
Date Violation Determined:
Actual Date Achieved Compliance:
Enforcement Action:
Enforcement Action Date:
Penalty Type:

32-030 5(3)(A)
GENERATOR-PRE-TRANSPORT REQUIREMENTS
08/31/2005
09/23/2005
WRITTEN INFORMAL
09/23/2005
Not reported
32-030 5(1)(B)
GENERATOR-PRE-TRANSPORT REQUIREMENTS
09/31/2005
09/31/2005
WRITTEN INFORMAL
09/20/2005
Not reported
32-040 2(3)
GENERATOR-RECORDKEEPING REQUIREMENTS
09/31/2005
10/24/2005
WRITTEN INFORMAL
09/29/2005
Not reported
35-030 5
GENERATOR-PRE-TRANSPORT REQUIREMENTS
08/31/2005

RCRA-LOG
1007202491
KYR000036244

Site
Elevation

Database(s)

EPR ID Number
EPA ID Number

PTC ALLIANCE, HOPKINSVILLE PLANT (Continued)

Actual Date Achieved Compliance: 10/30/2003

WARNING LETTER
 Enforcement Action: 08/13/2003
 Enforcement Action Date: 08/13/2003
 Not reported
 Penalty Type: Not reported

Regulation Violated: 224.01-402(18)
 Area of Violation: GENERATOR-PRE-TRANSPORT REQUIREMENTS
 Date Violation Determined: 08/13/2003
 Actual Date Achieved Compliance: 09/22/2003

WARNING LETTER
 Enforcement Action: 08/13/2003
 Enforcement Action Date: Not reported
 Penalty Type: Not reported

Regulation Violated: 22-030 SEC 5(1)(10)
 Area of Violation: GENERATOR-PRE-TRANSPORT REQUIREMENTS
 Date Violation Determined: 11/10/1998
 Actual Date Achieved Compliance: 12/01/1998

WARNING LETTER
 Enforcement Action: 11/10/1998
 Enforcement Action Date: Not reported
 Penalty Type: Not reported

Regulation Violated: 35.040
 Area of Violation: GENERATOR-PRE-TRANSPORT REQUIREMENTS
 Date Violation Determined: 11/10/1998
 Actual Date Achieved Compliance: 12/01/1998

WARNING LETTER
 Enforcement Action: 11/10/1998
 Enforcement Action Date: Not reported
 Penalty Type: Not reported

Regulation Violated: 32.040
 Area of Violation: GENERATOR-RECORDKEEPING REQUIREMENTS
 Date Violation Determined: 04/14/1998
 Actual Date Achieved Compliance: 04/21/1998

WARNING LETTER
 Enforcement Action: 04/14/1998
 Enforcement Action Date: Not reported
 Penalty Type: Not reported

There are 8 violation record(s) reported at this site.

Evaluation: Area of Violation: Area of Violation
 Compliance Evaluation Inspection: GENERATOR-RECORDKEEPING REQUIREMENTS
 Compliance Evaluation Inspection: GENERATOR-RECORDKEEPING REQUIREMENTS
 Compliance Evaluation Inspection: GENERATOR-RECORDKEEPING REQUIREMENTS
 Compliance Evaluation Inspection: GENERATOR-PRE-TRANSPORT REQUIREMENTS
 Compliance Evaluation Inspection: GENERATOR-PRE-TRANSPORT REQUIREMENTS
 Compliance Evaluation Inspection: GENERATOR-PRE-TRANSPORT REQUIREMENTS
 Compliance Evaluation Inspection: GENERATOR-PRE-TRANSPORT REQUIREMENTS
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 Compliance Evaluation Inspection: GENERATOR-PRE-TRANSPORT REQUIREMENTS
 Compliance Evaluation Inspection: GENERATOR-PRE-TRANSPORT REQUIREMENTS
 Compliance Evaluation Inspection: GENERATOR-PRE-TRANSPORT REQUIREMENTS
 Compliance Evaluation Inspection: Non-Financial Record Review

Date of Compliance: 2004/12/09
 2004/12/09
 2004/12/09
 2003/10/30
 2003/09/22
 1998/12/01
 1998/12/01
 1998/12/01
 1998/12/01
 1998/12/01
 1998/12/01

TO AUTOMOTIVE SEALING KENTUCKY, LLC (Continued)

Actual Date Achieved Compliance: 1007202491

GENERATOR-PRE-TRANSPORT REQUIREMENTS 20050831
 GENERATOR-RECORDKEEPING REQUIREMENTS 20051024
 GENERATOR-PRE-TRANSPORT REQUIREMENTS 20050831
 GENERATOR-RECORDKEEPING REQUIREMENTS 20040511
 GENERATOR-PRE-TRANSPORT REQUIREMENTS 20040511
 GENERATOR-RECORDKEEPING REQUIREMENTS 20040511
 GENERATOR-PRE-TRANSPORT REQUIREMENTS 20040511
 GENERATOR-RECORDKEEPING REQUIREMENTS 20040511
 GENERATOR-PRE-TRANSPORT REQUIREMENTS 20040511
 GENERATOR-RECORDKEEPING REQUIREMENTS 20040511

RCRA-LQG 1001214097 KYR000011819

PTC ALLIANCE, HOPKINSVILLE PLANT
 US STE 415 900 FRANK TOSTLN
 HOPKINSVILLE, KY 42400

Relative: Lower
 Actual: 642 ft

RCSInfo: PITSBURGH TUBR CO
 Owner: (412) 289-7900
 EPA ID: KYR000011819
 Contact: Not reported

Classification: Large Quantity Generator
 TSDF Activities: Not reported

BIENNIAL REPORTS:
 Last Biennial Reporting Year: 2003

Waste ID	Quantity (lbs)	Quantity (lbs)
D002	174240.00	174240.00
D307	174240.00	174240.00

Violation Status: Violations exist

Regulation Violated:
 Area of Violation: GENERATOR-RECORDKEEPING REQUIREMENTS
 Date Violation Determined: 11/09/2004
 Actual Date Achieved Compliance: 12/09/2004

WARNING LETTER
 Enforcement Action: 11/09/2004
 Enforcement Action Date: Not reported
 Penalty Type: Not reported

Regulation Violated:
 Area of Violation: GENERATOR-RECORDKEEPING REQUIREMENTS
 Date Violation Determined: 11/09/2004
 Actual Date Achieved Compliance: 12/09/2004

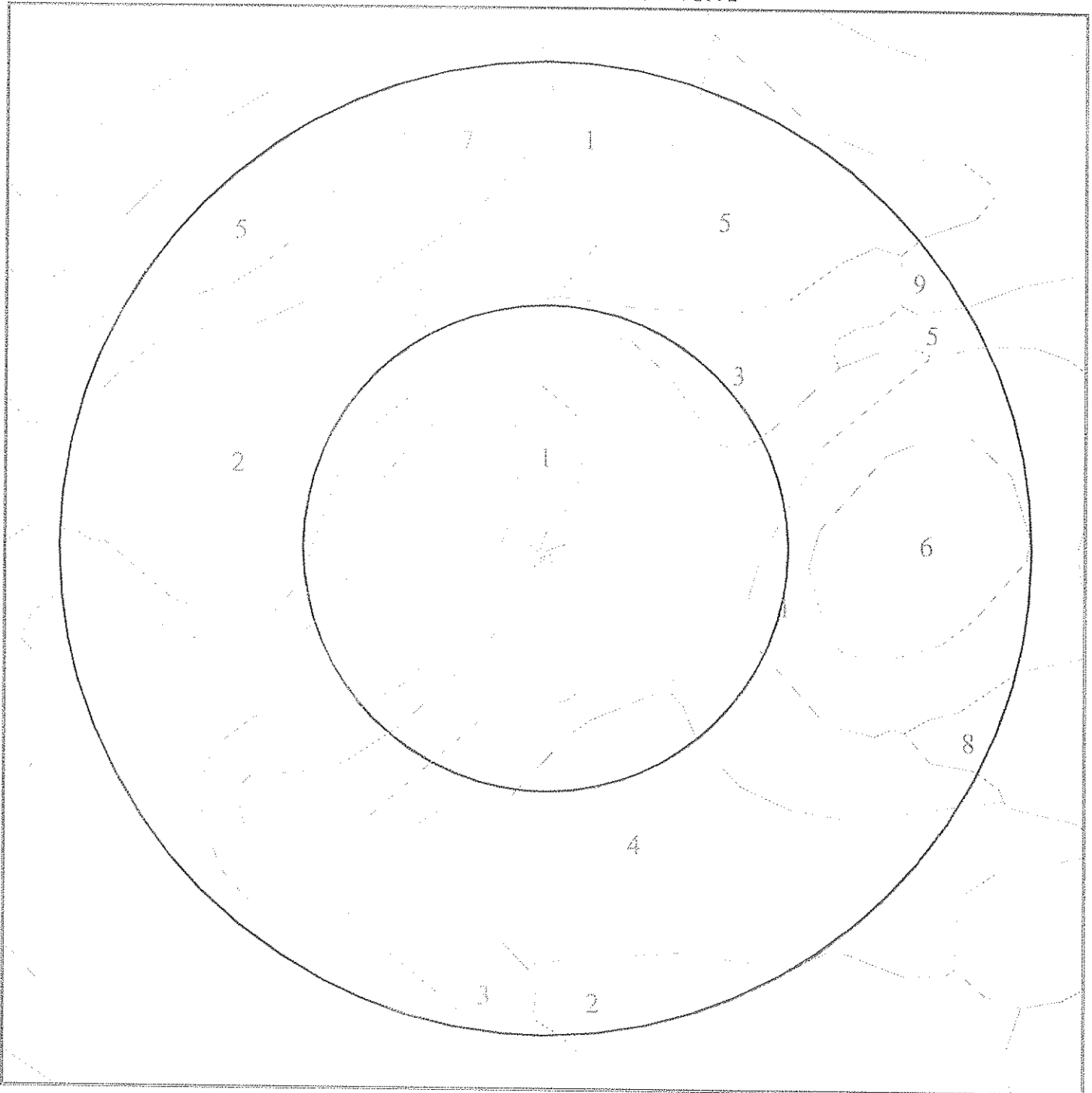
WARNING LETTER
 Enforcement Action: 11/09/2004
 Enforcement Action Date: Not reported
 Penalty Type: Not reported

Regulation Violated:
 Area of Violation: GENERATOR-RECORDKEEPING REQUIREMENTS
 Date Violation Determined: 11/09/2004
 Actual Date Achieved Compliance: 12/09/2004

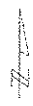
WARNING LETTER
 Enforcement Action: 11/09/2004
 Enforcement Action Date: Not reported
 Penalty Type: Not reported

Regulation Violated:
 Area of Violation: GENERATOR-RECORDKEEPING REQUIREMENTS
 Date Violation Determined: 08/13/2003

SSURGO SOIL MAP - 1704479.1s



- Target Property
- SSURGO Soil
- Water



SITE NAME: Commerce Park Property
ADDRESS: Frank Youst Lane
Hopkinsville KY 42240
LAT/LONG: 36.8003 / 87.3957

CLIENT: Earth Science
CONTACT: B. J. Osborne
INQUIRY #: 1704479.1s
DATE: June 26, 2006

EPA Waste Codes Addendum

Code	Description
D002	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
D036	CADMIUM
D007	CHROMIUM
K052	SPENT PICKLE LIQUOR GENERATED BY STEEL FINISHING OPERATIONS OF FACILITIES WITHIN THE IRON AND STEEL INDUSTRY (SIC CODES 331 AND 332).

City	EBR ID	Site Name	Site Address	Zip	Databases(s)
HOPKINSVILLE	U051185277	MORA MATHEWS	RT 1	42260	UST
HOPKINSVILLE	U030555420	UNKNOWN	HWY 47A	42260	UST
HOPKINSVILLE	U053974726	RED BIRDGE ORCERY	HWY 48D	42260	UST
HOPKINSVILLE	U031182059	FRANK H CHRISTOPHER	ROUTE 9	42260	UST
HOPKINSVILLE	S106884458	FOARD PROPERTY	7571 FT CAMPBELL BLVD	42260	SHWS
HOPKINSVILLE	S107022223	CLARK PETROLEUM ELECTRONICS	MADISONVILLE RD	42260	SWPLF
HOPKINSVILLE	1004140598	GRAY PCB	1012 MOYAN DRIVE	42260	CERCLIS, FND8
HOPKINSVILLE	98422681	SOLWATER UNIT ON PROPERTY	SOLWATER UNIT ON PROPERTY	42260	ERNS
HOPKINSVILLE	98422680	SOLWATER UNIT ON PROPERTY	SOLWATER UNIT ON PROPERTY	42260	ERNS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

FEDERAL RECORDS

NPL: National Priority List

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

Date of Government Version: 04/19/2005
 Date Data Arrived at EDR: 05/05/2005
 Date Made Active in Reports: 05/22/2005
 Number of Days to Update: 17
 Source: EPA
 Telephone: N/A
 Last EDR Contact: 05/05/2005
 Next Scheduled EDR Contact: 07/31/2005
 Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:
 EPA's Environmental Photographic Interpretation Center (EPIC)
 Telephone: 802-984-7330

EPA Region 1
 Telephone: 617-915-1143
 EPA Region 3
 Telephone: 215-614-5413
 EPA Region 4
 Telephone: 404-562-8033

Proposed NPL: Proposed National Priority List Sites

Date of Government Version: 04/19/2005
 Date Data Arrived at EDR: 05/05/2005
 Date Made Active in Reports: 05/22/2005
 Number of Days to Update: 17
 Source: EPA
 Telephone: N/A
 Last EDR Contact: 05/05/2005
 Next Scheduled EDR Contact: 07/31/2005
 Data Release Frequency: Quarterly

DELISTED NPL: National Priority List Deletions

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

Date of Government Version: 04/19/2005
 Date Data Arrived at EDR: 05/05/2005
 Date Made Active in Reports: 05/22/2005
 Number of Days to Update: 17
 Source: EPA
 Telephone: N/A
 Last EDR Contact: 05/05/2005
 Next Scheduled EDR Contact: 07/31/2005
 Data Release Frequency: Quarterly

NPL RECOVERY: Federal Superfund Liens

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

Date of Government Version: 10/15/1991
 Date Data Arrived at EDR: 02/02/1994
 Date Made Active in Reports: 03/20/1994
 Number of Days to Update: 58
 Source: EPA
 Telephone: 202-564-4257
 Last EDR Contact: 05/23/2005
 Next Scheduled EDR Contact: 08/21/2005
 Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

Date of Government Version: 07/01/2005
 Date Data Arrived at EDR: 08/21/2005
 Date Made Active in Reports: 04/13/2005
 Number of Days to Update: 23
 Source: EPA
 Telephone: 703-413-0223
 Last EDR Contact: 06/22/2005
 Next Scheduled EDR Contact: 09/18/2005
 Data Release Frequency: Quarterly

CERCLIS-NERAP: CERCLIS No Further Remedial Action Planned

Advanced sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 02/01/2005
 Date Data Arrived at EDR: 03/21/2005
 Date Made Active in Reports: 04/13/2005
 Number of Days to Update: 23
 Source: EPA
 Telephone: 703-413-0223
 Last EDR Contact: 06/23/2005
 Next Scheduled EDR Contact: 09/18/2005
 Data Release Frequency: Quarterly

CORRECTS: Corrective Action Report

CORRECTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/15/2005
 Date Data Arrived at EDR: 03/17/2005
 Date Made Active in Reports: 04/13/2005
 Number of Days to Update: 27
 Source: EPA
 Telephone: 800-424-9346
 Last EDR Contact: 05/21/2005
 Next Scheduled EDR Contact: 09/04/2005
 Data Release Frequency: Quarterly

RCRA: Resource Conservation and Recovery Act Information

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQSG) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQSG) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGG) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDs: treat, store, or dispose of the waste.

Date of Government Version: 03/05/2005
 Date Data Arrived at EDR: 04/27/2005
 Date Made Active in Reports: 05/22/2005
 Number of Days to Update: 33
 Source: EPA
 Telephone: 800-424-9346
 Last EDR Contact: 04/27/2005
 Next Scheduled EDR Contact: 06/28/2005
 Data Release Frequency: Quarterly

ERNS: Emergency Response Notification System

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

Date of Government Version: 12/31/2005
 Date Data Arrived at EDR: 01/12/2005
 Date Made Active in Reports: 02/21/2005
 Number of Days to Update: 40
 Source: National Response Center, United States Coast Guard
 Telephone: 202-260-2542
 Last EDR Contact: 05/26/2005
 Next Scheduled EDR Contact: 07/24/2005
 Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HMIRS: Hazardous Materials Information Reporting System
 Hazardous Materials Incident Report System: HMIRS contains hazardous material spill incidents reported to DOT.
 Date of Government Version: 12/31/2005
 Source: U.S. Department of Transportation
 Telephone: 202-365-4555
 Date Data Arrived at EDR: 04/14/2006
 Last EDR Contact: 04/14/2006
 Date Made Active in Reports: 05/03/2006
 Next Scheduled EDR Contact: 07/17/2006
 Number of Days to Update: 45
 Data Release Frequency: Annually
 Data Release Frequency: Annually

US ENG CONTROLS: Engineering Controls Sites List
 A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.
 Source: Environmental Protection Agency
 Telephone: 703-603-8905
 Date Data Arrived at EDR: 03/27/2005
 Last EDR Contact: 03/03/2006
 Date Made Active in Reports: 05/22/2005
 Next Scheduled EDR Contact: 07/03/2006
 Number of Days to Update: 45
 Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls
 A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remedial care requirements intended to prevent exposure to contaminants remaining on site. Duest restrictions are generally required as part of the institutional controls.
 Source: Environmental Protection Agency
 Telephone: 703-603-8905
 Date Data Arrived at EDR: 03/27/2005
 Last EDR Contact: 03/03/2006
 Date Made Active in Reports: 05/22/2005
 Next Scheduled EDR Contact: 07/03/2006
 Number of Days to Update: 56
 Data Release Frequency: Varies

DOB: Department of Defense Sites
 This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 545 acres at the United States, Puerto Rico, and the U.S. Virgin Islands.
 Source: USGS
 Telephone: 703-692-8891
 Date of Government Version: 12/31/2004
 Date Data Arrived at EDR: 02/08/2005
 Last EDR Contact: 05/12/2005
 Date Made Active in Reports: 08/04/2005
 Next Scheduled EDR Contact: 08/07/2005
 Number of Days to Update: 177
 Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites
 The listing includes locations of formerly used defense sites, properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.
 Source: U.S. Army Corps of Engineers
 Telephone: 202-528-4285
 Date of Government Version: 12/05/2005
 Date Data Arrived at EDR: 3/19/2006
 Last EDR Contact: 04/03/2006
 Date Made Active in Reports: 02/21/2006
 Next Scheduled EDR Contact: 07/03/2006
 Number of Days to Update: 33
 Data Release Frequency: Varies

US BROWNFIELDS: A Listing of Brownfields Sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities-especially those without EPA Brownfields Assessment Demonstration Plans-minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Source: Environmental Protection Agency
 Telephone: 202-566-2777
 Date Data Arrived at EDR: 04/26/2006
 Last EDR Contact: 06/12/2005
 Date Made Active in Reports: 05/03/2006
 Next Scheduled EDR Contact: 09/11/2006
 Number of Days to Update: 33
 Data Release Frequency: Semi-Annually

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.
 Source: Department of Justice, Consent Decree Library
 Telephone: Varies
 Date of Government Version: 12/14/2004
 Date Data Arrived at EDR: 02/15/2005
 Last EDR Contact: 03/11/2006
 Date Made Active in Reports: 04/25/2005
 Next Scheduled EDR Contact: 07/24/2006
 Number of Days to Update: 69
 Data Release Frequency: Varies

ROD: Records Of Decision

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

Source: EPA
 Telephone: 703-415-0223
 Date of Government Version: 04/13/2005
 Date Data Arrived at EDR: 04/26/2005
 Last EDR Contact: 04/05/2005
 Date Made Active in Reports: 05/03/2005
 Next Scheduled EDR Contact: 07/03/2005
 Number of Days to Update: 32
 Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

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

Source: Department of Energy
 Telephone: 505-845-6011
 Date of Government Version: 11/04/2005
 Date Data Arrived at EDR: 11/20/2005
 Last EDR Contact: 08/21/2006
 Date Made Active in Reports: 01/30/2006
 Next Scheduled EDR Contact: 09/19/2006
 Number of Days to Update: 63
 Data Release Frequency: Varies

ODI: Open Dump Inventory

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

Source: Environmental Protection Agency
 Telephone: 202-234-9346
 Date of Government Version: 05/02/1985
 Date Data Arrived at EDR: 08/09/2004
 Last EDR Contact: 08/09/2004
 Date Made Active in Reports: 08/17/2004
 Number of Days to Update: 39
 Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 12/31/2003
 Date Data Arrived at EDR: 07/13/2005
 Date Made Active in Reports: 08/17/2005
 Number of Days to Update: 35

Source: EPA
 Telephone: 202-565-4230
 Last EDR Contact: 08/22/2005
 Next Scheduled EDR Contact: 09/18/2006
 Data Release Frequency: Annually

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

Date of Government Version: 12/31/2002
 Date Data Arrived at EDR: 04/14/2005
 Date Made Active in Reports: 05/30/2005
 Number of Days to Update: 48

Source: EPA
 Telephone: 202-260-5521
 Last EDR Contact: 04/12/2006
 Next Scheduled EDR Contact: 07/17/2006
 Data Release Frequency: Every 4 Years

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

Date of Government Version: 03/30/2005
 Date Data Arrived at EDR: 04/28/2005
 Date Made Active in Reports: 05/30/2005
 Number of Days to Update: 34

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
 Telephone: 202-565-1657
 Last EDR Contact: 06/19/2006
 Next Scheduled EDR Contact: 09/18/2006
 Data Release Frequency: Quarterly

FTTS INSP: FIFRA TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
 Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (29 Stat. 829), requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and diluents being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2004
 Date Data Arrived at EDR: 05/11/2005
 Date Made Active in Reports: 05/23/2005
 Number of Days to Update: 11

Source: EPA
 Telephone: 202-654-4263
 Last EDR Contact: 03/09/2006
 Next Scheduled EDR Contact: 07/17/2006
 Data Release Frequency: Annually

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

Date of Government Version: 08/13/2005
 Date Data Arrived at EDR: 04/21/2006
 Date Made Active in Reports: 05/22/2006
 Number of Days to Update: 26

Source: Environmental Protection Agency
 Telephone: 202-554-5088
 Last EDR Contact: 04/11/2006
 Next Scheduled EDR Contact: 07/17/2006
 Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PAIS: PCB Activity Database System
 PCB Activity Database. PAIS identifies generators, transporters, commercial stores and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 12/27/2005
 Date Data Arrived at EDR: 02/08/2006
 Date Made Active in Reports: 02/27/2006
 Number of Days to Update: 19

Source: EPA
 Telephone: 202-556-0500
 Last EDR Contact: 08/22/2005
 Next Scheduled EDR Contact: 09/07/2006
 Data Release Frequency: Annually

MILTS: Material Licensing Tracking System
 MILTS 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: 02/12/2006
 Date Data Arrived at EDR: 04/26/2006
 Date Made Active in Reports: 05/30/2006
 Number of Days to Update: 34

Source: Nuclear Regulatory Commission
 Telephone: 301-415-7169
 Last EDR Contact: 04/03/2006
 Next Scheduled EDR Contact: 07/03/2006
 Data Release Frequency: Quarterly

MINES: Mines Master Index File
 Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes website information.

Date of Government Version: 02/09/2006
 Date Data Arrived at EDR: 03/29/2006
 Date Made Active in Reports: 05/30/2006
 Number of Days to Update: 62

Source: Department of Labor, Mine Safety and Health Administration
 Telephone: 303-231-6959
 Last EDR Contact: 03/29/2006
 Next Scheduled EDR Contact: 08/28/2006
 Data Release Frequency: Semi-Annually

FMDS: Facility Index System/Facility Registry System
 Facility Index System. FMDS contains full facility information and pointers to other sources that contain more detail. EDR includes the following FMDS databases in this report: FCS (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: 04/27/2006
 Date Data Arrived at EDR: 05/02/2006
 Date Made Active in Reports: 05/30/2006
 Number of Days to Update: 28

Source: EPA
 Telephone: N/A
 Last EDR Contact: 04/03/2006
 Next Scheduled EDR Contact: 07/03/2006
 Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System
 RCRA Administrative 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 administrative actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

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

Source: EPA
 Telephone: 202-561-1104
 Last EDR Contact: 08/05/2005
 Next Scheduled EDR Contact: 09/04/2006
 Data Release Frequency: No Update Planned

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2003
 Date Data Arrived at EDR: 06/17/2005
 Last EDR Contact: 06/18/2006
 Date Made Active in Reports: 08/03/2005
 Number of Days to Update: 43
 Next Scheduled EDR Contact: 09/11/2006
 Data Release Frequency: Biennially

STATE AND LOCAL RECORDS

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

Date of Government Version: 03/20/2005
 Date Data Arrived at EDR: 04/04/2005
 Last EDR Contact: 05/28/2006
 Date Made Active in Reports: 05/01/2006
 Number of Days to Update: 27
 Next Scheduled EDR Contact: 09/25/2006
 Data Release Frequency: Quarterly

SWFLP: Solid Waste Facilities List

Solid Waste Facilities Landfill Sites. SWFLP 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: 03/28/2005
 Date Data Arrived at EDR: 03/30/2005
 Last EDR Contact: 06/12/2006
 Date Made Active in Reports: 05/01/2005
 Number of Days to Update: 32
 Next Scheduled EDR Contact: 08/28/2005
 Data Release Frequency: Semi-Annually

HIST LP: Historical Landfills

This solid waste facility listing contains detail information that is not included in the landfill listing. A listing with detail information is no longer available by the Department of Environmental Protection.

Date of Government Version: 05/01/2003
 Date Data Arrived at EDR: 03/30/2005
 Last EDR Contact: 05/30/2006
 Date Made Active in Reports: 05/01/2003
 Number of Days to Update: 32
 Next Scheduled EDR Contact: 09/28/2006
 Data Release Frequency: No Update Planned

SS193: SS193 Branch Site Inventory List

The inventory indicates facilities that have performed permanent closure activities at a regulated underground storage tank facility and have known soil and/or groundwater contamination.

Date of Government Version: 05/25/2005
 Date Data Arrived at EDR: 05/31/2005
 Last EDR Contact: 05/28/2006
 Date Made Active in Reports: 06/12/2005
 Number of Days to Update: 12
 Next Scheduled EDR Contact: 09/07/2006
 Data Release Frequency: Quarterly

UST: Underground Storage Tank Database

Registered Underground Storage Tanks. USTs 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: 04/11/2005
 Date Data Arrived at EDR: 04/26/2005
 Last EDR Contact: 06/26/2006
 Date Made Active in Reports: 05/25/2005
 Number of Days to Update: 23
 Next Scheduled EDR Contact: 09/25/2006
 Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INST CONTROL: State Superfund Database

A list of closed sites in the State Superfund Database. Institutional controls would be in place at any site that uses Contained or Managed as a Closure Option.

Date of Government Version: 12/05/2003
 Date Data Arrived at EDR: 12/10/2003
 Last EDR Contact: 08/15/2005
 Date Made Active in Reports: 01/08/2004
 Number of Days to Update: 29
 Next Scheduled EDR Contact: 09/25/2006
 Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Sites

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

Date of Government Version: 12/28/2004
 Date Data Arrived at EDR: 01/18/2005
 Last EDR Contact: 05/25/2006
 Date Made Active in Reports: 03/01/2005
 Number of Days to Update: 42
 Next Scheduled EDR Contact: 09/25/2006
 Data Release Frequency: Varies

DRYCLEANERS: Drycleaner Listing

A listing of drycleaner facility locations.

Date of Government Version: 03/28/2005
 Date Data Arrived at EDR: 03/28/2005
 Last EDR Contact: 05/01/2006
 Date Made Active in Reports: 05/01/2006
 Number of Days to Update: 34
 Next Scheduled EDR Contact: 09/25/2006
 Data Release Frequency: Varies

LEAD: Environmental Lead Program Report Tracking Database

Lead Report Tracking Database

Date of Government Version: 04/19/2005
 Date Data Arrived at EDR: 05/02/2005
 Last EDR Contact: 05/26/2006
 Date Made Active in Reports: 05/12/2005
 Number of Days to Update: 35
 Next Scheduled EDR Contact: 09/04/2006
 Data Release Frequency: Varies

TRIBAL RECORDS

Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 540 acres.

INDIAN RESERV: Indian Reservations

Date of Government Version: 12/31/2004
 Date Data Arrived at EDR: 02/08/2005
 Last EDR Contact: 05/12/2006
 Date Made Active in Reports: 08/04/2005
 Number of Days to Update: 177
 Next Scheduled EDR Contact: 09/07/2006
 Data Release Frequency: Semi-Annually

EDR PROPRIETARY RECORDS

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

OTHER DATABASE(S)

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

CT MANIFEST: Hazardous Waste Manifest Data
 Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 12/31/2004
 Date Data Arrived at EDR: 02/17/2006
 Date State Active in Reports: 04/07/2006
 Number of Days to Update: 49

Source: Department of Environmental Protection
 Telephone: 860-424-3375
 Last EDR Contact: 06/14/2006
 Next Scheduled EDR Contact: 09/11/2006
 Data Release Frequency: Annually

NJ MANIFEST: Manifest Information
 Hazardous waste manifest information.
 Date of Government Version: 12/31/2004
 Date Data Arrived at EDR: 04/24/2006
 Date State Active in Reports: 05/02/2006
 Number of Days to Update: 3

Source: Department of Environmental Protection
 Telephone: N/A
 Last EDR Contact: 03/17/2006
 Next Scheduled EDR Contact: 07/03/2006
 Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
 Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.
 Date of Government Version: 12/31/2005
 Date Data Arrived at EDR: 03/01/2006
 Date State Active in Reports: 04/20/2006
 Number of Days to Update: 50

Source: Department of Environmental Conservation
 Telephone: 518-402-8851
 Last EDR Contact: 05/31/2006
 Next Scheduled EDR Contact: 08/28/2006
 Data Release Frequency: Annually

PA MANIFEST: Manifest Information
 Hazardous waste manifest information.
 Date of Government Version: 12/31/2005
 Date Data Arrived at EDR: 05/04/2006
 Date State Active in Reports: 06/06/2006
 Number of Days to Update: 33

Source: Department of Environmental Protection
 Telephone: N/A
 Last EDR Contact: 08/12/2006
 Next Scheduled EDR Contact: 09/11/2006
 Data Release Frequency: Annually

RI MANIFEST: Manifest information
 Hazardous waste manifest information
 Date of Government Version: 09/30/2005
 Date Data Arrived at EDR: 05/09/2006
 Date State Active in Reports: 05/24/2006
 Number of Days to Update: 15

Source: Department of Environmental Management
 Telephone: 401-222-2797
 Last EDR Contact: 09/19/2006
 Next Scheduled EDR Contact: 08/18/2006
 Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

WI MANIFEST: Manifest Information
 Hazardous waste manifest information.
 Date of Government Version: 12/31/2005
 Date Data Arrived at EDR: 03/17/2006
 Date State Active in Reports: 05/02/2006
 Number of Days to Update: 46

Source: Department of Natural Resources
 Telephone: N/A
 Last EDR Contact: 03/17/2006
 Next Scheduled EDR Contact: 07/10/2006
 Data Release Frequency: Annually

Oil/Gas Pipelines: 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.

Electric Power Transmission Line Data
 Source: PennWell Corporation
 Telephone: (603) 823-6277

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

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

AHA Hospitals:
 Source: American Hospital Association, Inc.
 Telephone: 312-260-3591

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

Medical Centers: Provider of Services Listing
 Source: Centers for Medicare & Medicaid Services
 Telephone: 410-786-3030

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

Nursing Homes

Source: National Institutes of Health
 Telephone: 301-594-5248
 Information on Medicare and Medicaid certified nursing homes in the United States

Public Schools

Source: National Center for Education Statistics
 Telephone: 202-502-7300
 The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics
 Telephone: 202-502-7300
 The National Center for Education Statistics' primary database on private school locations in the United States
Daycare Centers: Certified Child Care Homes
 Source: Cabinet for Families & Children
 Telephone: 502-564-7130

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1998 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

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

State Wetlands Data: Wetland Polygon Features
 Source: Environmental Protection & Public Protection Cabinet
 Telephone: 502-564-5174

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STREET AND ADDRESS INFORMATION

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GEOCHECK® - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

COMMERCE PARK PROPERTY
FRANK YOUSIT LANE
HOPKINSVILLE, KY 42240

TARGET PROPERTY COORDINATES

Latitude (North): 36 80'03.0 - 36' 49' 1.1"
Longitude (West): 87 39'57 - 87' 23' 44.5"
Universal Transverse Mercator:
Zone: 18
UTM X (Meters): 484659.4
UTM Y (Meters): 4072588.8
Elevation: 627 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map: 36087-G4 HOPKINSVILLE, KY
Most Recent Revision: 1982

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

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

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

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

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

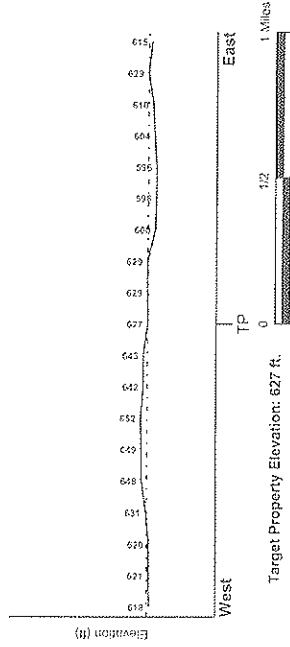
TOPOGRAPHIC INFORMATION

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

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General ESE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

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

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

FEMA FLOOD ZONE

FEMA Flood Electronic Data
 YES - refer to the Overview Map and Detail Map
 Target Property County: CHRISTIAN, KY

Flood Plain Panel at Target Property: 2102770008A

Additional Panels in search area: 2102770008A

NATIONAL WETLAND INVENTORY

NWI Electronic Data Coverage: Not Available
 NWI Quad at Target Property: HOPKINSVILLE

HYDROGEOLOGIC INFORMATION

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

AQUIFLOW®

Search Radius: 1.000 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.

MAP ID: Not Reported
 LOCATION FROM TP:
 GENERAL DIRECTION: GROUNDWATER FLOW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

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

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

ROCK STRATIGRAPHIC UNIT

Era: Paleozoic
 System: Mississippian
 Series: Meramecian Series
 Code: M2 (denoted above as *Em. System & Series*)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

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

Soil Map ID: 1

Soil Component Name: VERTREES

Soil Surface Texture: silty clay loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately wet 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.

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

Corrosion Potential - Uncoated Steel: MODERATE

Depth to Bedrock Min: > 0 inches

Depth to Bedrock Max: > 0 inches

Soil Layer Information				
Layer	Boundary		Soil Texture Class	Classification
	Upper	Lower		
1	0 inches	8 inches	silty clay loam	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.
2	8 inches	72 inches	clay	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay Soils.
3	72 inches	76 inches	clay	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay Soils.

Permeability Rate (in/hr)	Soil Reaction
Max: 2.00 Min: 0.60	Max: 7.30 Min: 4.50
Max: 0.50 Min: 0.20	Max: 6.00 Min: 4.50
Max: 0.60 Min: 0.20	Max: 7.30 Min: 4.50

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 2

Soil Component Name: CRIDER

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.

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

Corrosion Potential - Uncoated Steel: MODERATE

Depth to Bedrock Min: > 0 inches

Depth to Bedrock Max: > 0 inches

Soil Layer Information						
Layer	Boundary		Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower	Soil Texture Class	Unified Soil		
1	0 inches	9 inches	silt loam	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Silt	Max: 2.00 Min: 0.60	Max: 7.30 Min: 5.10
1	0 inches	9 inches	sand	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand, Gravel and Sand	Max: 20.00 Min: 6.00	Max: 6.50 Min: 5.80
2	9 inches	33 inches	silt loam	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Silt	Max: 2.00 Min: 0.60	Max: 7.30 Min: 5.10
2	9 inches	16 inches	sand	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand, Gravel and Sand	Max: 20.00 Min: 6.00	Max: 7.30 Min: 5.80

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information						
Layer	Boundary		Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower	Soil Texture Class	Unified Soil		
3	33 inches	99 inches	silt clay	FINE-GRAINED SOILS, Silts and Clays (liquid limit 30% or more), Fat Clay	Max: 2.00 Min: 0.60	Max: 6.50 Min: 4.50
3	16 inches	32 inches	sand	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand, Gravel and Sand	Max: 20.00 Min: 6.00	Max: 7.30 Min: 5.10
4	32 inches	60 inches	sand	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand	Max: 20.00 Min: 6.00	Max: 7.30 Min: 5.10

Soil Map ID: 3

Soil Component Name: LINDSIDE

Soil Surface Texture: silt loam

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

Soil Drainage Class: Moderately well drained. Soils have a layer of low hydraulic conductivity, wet state high in the profile. Depth to water table is 3 to 5 feet.

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

Corrosion Potential - Uncoated Steel: MODERATE

Depth to Bedrock Min: > 0 inches

Depth to Bedrock Max: > 6 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information					
Layer	Boundary		Soil Texture Class: AASHTO Group	Classification	Soil Reaction
	Upper	Lower			
1	0 inches	8 inches	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 2.00 Min: 0.60 Max: 7.80 Min: 5.10
1	0 inches	9 inches	A-3	Highly organic silts, Peat	Max: 6.00 Min: 0.20 Max: 7.30 Min: 5.80
2	8 inches	60 inches	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 2.00 Min: 0.20 Max: 7.80 Min: 5.10
2	8 inches	18 inches	A-8	Highly organic silts, Peat	Max: 8.00 Min: 0.20 Max: 7.30 Min: 5.60
3	60 inches	64 inches	Granular materials (35 pct. or less passing No. 200), Silty, or Crayey Gravel	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.60 Min: 0.20 Max: 7.80 Min: 5.60
3	18 inches	60 inches	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty SOILS.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 2.00 Min: 0.20 Max: 8.40 Min: 6.10

Soil Map ID: 4

Soil Component Name: LAWRENCE

Soil Surface Texture: silt loam

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

Soil Drainage Class: Somewhat poorly. Soils commonly have a layer with low hydraulic conductivity, wet state high in profile, etc. Depth to water table is 1 to 3 feet.

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

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 0 inches

Depth to Bedrock Max: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information					
Layer	Boundary		Soil Texture Class: AASHTO Group	Classification	Soil Reaction
	Upper	Lower			
1	0 inches	8 inches	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Silty	Max: 2.00 Min: 0.60 Max: 6.50 Min: 4.50
1	0 inches	18 inches	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 2.00 Min: 0.50 Max: 8.40 Min: 7.90
2	8 inches	26 inches	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 2.00 Min: 0.60 Max: 6.50 Min: 4.50
2	18 inches	30 inches	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 2.00 Min: 0.20 Max: 8.40 Min: 7.40
3	26 inches	44 inches	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.20 Min: 0.05 Max: 5.00 Min: 4.90
3	30 inches	80 inches	Gravelly coarse sand	COARSE-GRAINED SOILS, Sands, Poorly graded sand.	Max: 20.00 Min: 20.00 Max: 7.80 Min: 7.40
4	44 inches	57 inches	Silty clay	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.60 Min: 0.56 Max: 7.30 Min: 4.50

Soil Map ID: 5

Soil Component Name: NICHOLSON

Soil Surface Texture: silt loam

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

Soil Drainage Class: Moderately well drained. Soils have a layer of low hydraulic conductivity, wet state high in the profile. Depth to water table is 3 to 6 feet.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 0 inches

Depth to Bedrock Max: > 0 inches

Soil Layer Information						
Layer	Boundary		Classification		Permeability Rate (m/hr)	Soil Reaction (pH)
	Upper	Lower	Soil Texture Class	AASHTO Group		
1	0 inches	8 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 2.00 Min: 0.60 Max: 6.50 Min: 4.50
2	8 inches	23 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 2.00 Min: 0.60 Max: 6.50 Min: 4.50
3	23 inches	42 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.20 Min: 0.05 Max: 6.50 Min: 4.50
4	42 inches	70 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils	FINE-GRAINED SOILS, Silts and Clays (liquid limit 60% or more), Fat Clay.	Max: 0.60 Min: 0.05 Max: 7.80 Min: 5.10

Soil Map ID: 6

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: > 0 inches

Depth to Bedrock Max: > 0 inches

Soil Layer Information						
Layer	Boundary		Classification		Permeability Rate (m/hr)	Soil Reaction (pH)
	Upper	Lower	Soil Texture Class	AASHTO Group		
1	0 inches	8 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 2.00 Min: 0.60 Max: 7.30 Min: 4.50
2	8 inches	31 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	31 inches	63 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	63 inches	97 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

Soil Map ID: 7

Soil Component Name: NICHOLSON

Soil Surface Texture: silt loam

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

Soil Drainage Class: Moderately well drained. Soils have a layer of low hydraulic conductivity, wet state high in the profile. Depth to water table is 3 to 6 feet.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 0 inches

Depth to Bedrock Max: > 0 inches

Soil Layer Information					
Layer	Boundary		Classification		Soil Reaction (pH)
	Upper	Lower	Soil Texture Class	Unified Soil AASHTO Group	
1	0 inches	8 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay
2	8 inches	23 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay
3	23 inches	42 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay
4	42 inches	70 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.

Soil Map ID: 3

Soil Component Name: CRIDER

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: > 0 inches

Depth to Bedrock Max: > 0 inches

Soil Layer Information					
Layer	Boundary		Classification		Soil Reaction (pH)
	Upper	Lower	Soil Texture Class	Unified Soil AASHTO Group	
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%), Lean Clay
2	9 inches	33 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay
3	33 inches	99 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.

Soil Map ID: 9

Soil Component Name: NEWARK

Soil Surface Texture: silt loam

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

Soil Drainage Class: Somewhat poorly. Soils commonly have a layer with low hydraulic conductivity, wet state high in profile, etc. Depth to water table is 1 to 3 feet.

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

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 0 inches

Depth to Bedrock Max: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information				
Layer	Boundary	Classification		
		Soil Texture Class	Unified Soil	
Lower	Upper	AASHTO Group	Permeability Rate (in/hr)	
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%), Lean Clay Max: 2.00 Min: 0.80 Soil Reaction (pH) Max: 7.80 Min: 5.80
2	9 inches	36 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. FINE-GRAINED SOILS: Silts and Clays (liquid limit less than 50%), Lean Clay Max: 2.00 Min: 0.60 Soil Reaction (pH) Max: 7.80 Min: 5.80
3	35 inches	76 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. FINE-GRAINED SOILS: Silts and Clays (liquid limit less than 50%), Lean Clay Max: 2.00 Min: 0.60 Soil Reaction (pH) Max: 7.80 Min: 5.80

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID _____ WELL ID _____ LOCATION FROM TP _____
 No PWS System Found

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

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	KY100000011453	12 - 1/4 Mile NW
A2	KY100000011456	14 - 1/2 Mile NW
A3	KY100000011459	14 - 1/2 Mile NW
A4	KY100000011470	14 - 1/2 Mile NW
A5	KY100000011457	14 - 1/2 Mile NW
A6	KY100000011458	14 - 1/2 Mile NW
A7	KY100000011417	14 - 1/2 Mile NW
A8	KY100000011452	14 - 1/2 Mile NW
9	KY100000011454	12 - 1 Mile East
10	KY100000011454	12 - 1 Mile North
11	KY100000011455	12 - 1 Mile East
12	KY100000011450	12 - 1 Mile East
913	KY100000011450	12 - 1 Mile SW
15	KY100000011442	12 - 1 Mile SSW
16	KY100000011474	12 - 1 Mile WSW

LOCAL/REGIONAL WATER AGENCY RECORDS

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

WELL SEARCH DISTANCE INFORMATION

DATABASE SEARCH DISTANCE (meters)
 Federal USGS 1,000
 Federal FRDS PWS Nearest PWS within 1 mile
 State Database 1,000

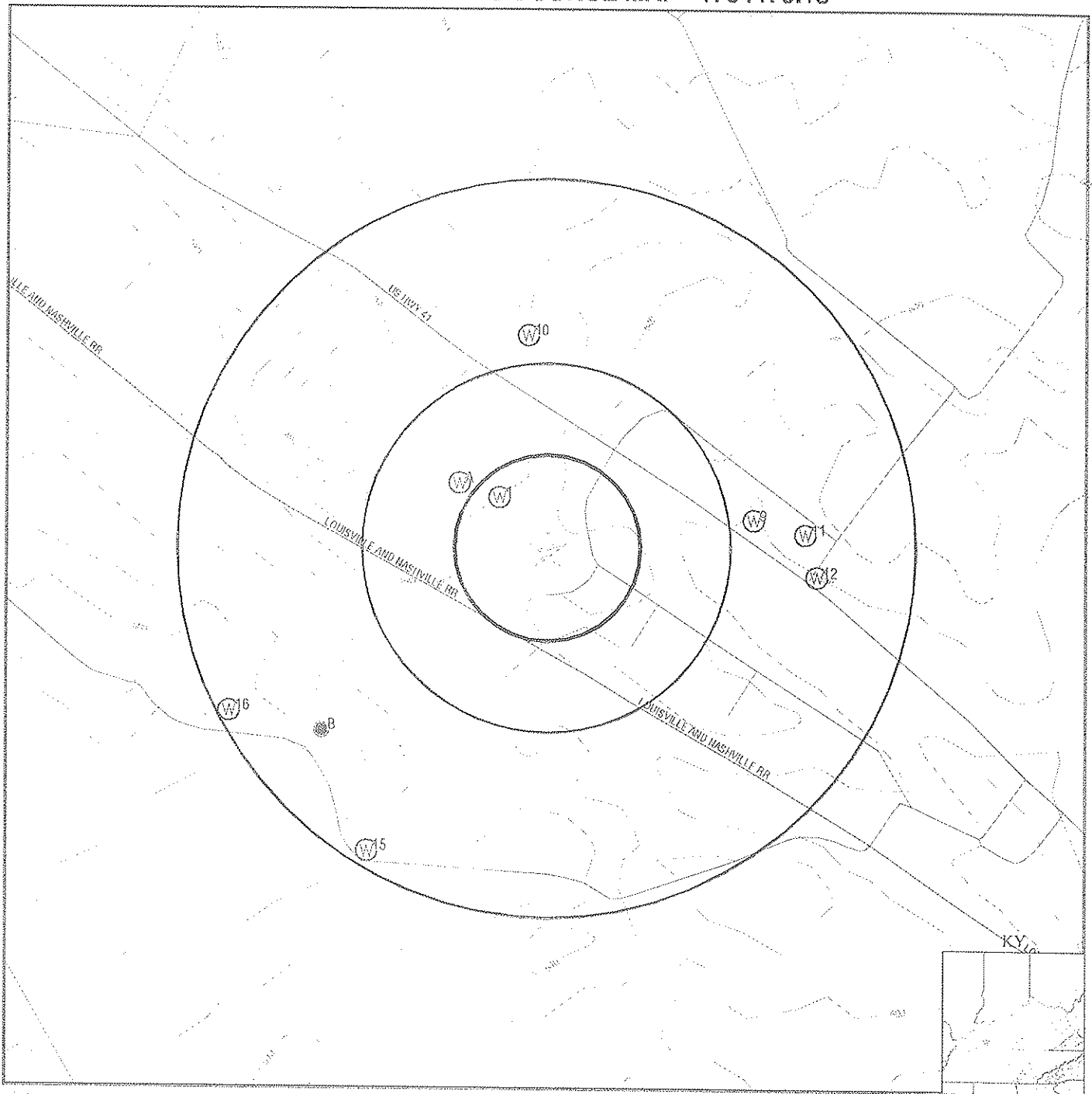
FEDERAL USGS WELL INFORMATION

MAP ID _____ WELL ID _____ LOCATION FROM TP _____
 USGS243355 1/2 - 1 Mile SW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID _____ WELL ID _____ LOCATION FROM TP _____

PHYSICAL SETTING SOURCE MAP - 1704479.1s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location

SITE NAME: Commerce Park Property
 ADDRESS: Frank Youst Lane
 Hopkinsville KY 42240
 LAT/LONG: 36.8003 / 87.3957

CLIENT: Earth Science
 CONTACT: B. J. Osborne
 INQUIRY #: 1704479.1s
 DATE: June 26, 2006

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID: NW 1/4 - 1/4 Mile Higher
 Direction: NW
 Distance: 1/4 - 1/4 Mile
 Elevation: Higher
 Database: KY WELLS
 EDR ID Number: KY1000000011453

AKWVA: 0
 Lat27: 36.80222
 Longitude: Hopkinsville
 County: Not Reported
 Constr date: 0.00
 Primary use: 0.00
 Bedrock depth: 0.00
 Static waterlv: 0.00

AKWVA: 45235
 Lat27: -87.39805
 Longitude: Christian
 County: Domestic
 Constr date: 65.00
 Primary use: 0.00
 Bedrock depth: 0.00
 Static waterlv: 0.00

AKWVA: 80031024
 Lat27: 36.80278
 Longitude: Hopkinsville
 County: Hopkinsville
 Constr date: 4/11/1998
 Primary use: 15.00
 Bedrock depth: 15.00
 Static waterlv: 15.00

AKWVA: 80031025
 Lat27: 36.80278
 Longitude: Hopkinsville
 County: Hopkinsville
 Constr date: 4/10/1998
 Primary use: 7.00
 Bedrock depth: 7.00
 Static waterlv: 15.00

AKWVA: 40558
 Lat27: -87.40000
 Longitude: Christian
 County: Monitoring
 Constr date: 30.00
 Primary use: 30.00
 Bedrock depth: 30.00
 Static waterlv: 30.00

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

AKWVA: 80031027
 Lat27: 36.80278
 Longitude: Hopkinsville
 County: Hopkinsville
 Constr date: 4/11/1998
 Primary use: 15.00
 Bedrock depth: 15.00
 Static waterlv: 17.00

AKWVA: 40559
 Lat27: -87.40000
 Longitude: Christian
 County: Monitoring
 Constr date: 30.00
 Primary use: 30.00
 Bedrock depth: 30.00
 Static waterlv: 30.00

AKWVA: 80031030
 Lat27: 36.80278
 Longitude: Hopkinsville
 County: Hopkinsville
 Constr date: 4/11/1998
 Primary use: 9.00
 Bedrock depth: 9.00
 Static waterlv: 0.00

AKWVA: 80031029
 Lat27: 36.80278
 Longitude: Hopkinsville
 County: Hopkinsville
 Constr date: 4/11/1998
 Primary use: 9.00
 Bedrock depth: 9.00
 Static waterlv: 15.00

AKWVA: 80031026
 Lat27: 36.80278
 Longitude: Hopkinsville
 County: Hopkinsville
 Constr date: 4/31/1998
 Primary use: 13.00
 Bedrock depth: 13.00
 Static waterlv: 15.00

AKWVA: 45235
 Lat27: -87.39805
 Longitude: Christian
 County: Domestic
 Constr date: 65.00
 Primary use: 0.00
 Bedrock depth: 0.00
 Static waterlv: 0.00

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID: 10
 Direction: North
 Distance: 1/2 - 1 Mile
 Elevation: Higher

Database: KY WELLS EDR ID Number: KY100000011454

Agency: 0
 Kgs id: 45233
 LonZ7: -87.38687
 County: Christian
 Quadrange: Domestic
 Constr date: 102.00
 Bedrock depth: 0.00
 Static water: 0.00

Agency: 26995
 Kgs id: 27033
 LonZ7: -87.38308
 County: Christian
 Quadrange: Public
 Constr date: 120.00
 Bedrock depth: 33.00
 Static water: 58.00

Agency: 8971
 Kgs id: 14341
 LonZ7: -87.38250
 County: Christian
 Quadrange: Domestic
 Constr date: 100.00
 Bedrock depth: 20.00
 Static water: 20.00

Agency: 0
 Kgs id: 45233
 LonZ7: -87.40667
 County: Christian
 Quadrange: Domestic
 Constr date: 85.00
 Bedrock depth: 0.00
 Static water: 0.00

Agency: 0
 Kgs id: 50831
 LonZ7: -87.41120
 County: Christian
 Quadrange: Domestic
 Constr date: 0.00
 Bedrock depth: 0.00
 Static water: 0.00

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency: 31000485
 Kgs id: 384735
 LonZ7: -87.72424
 County: Madison
 Quadrange: MAD03
 Constr date: 21
 Bedrock depth: 0.47
 Static water: Not Reported

Agency: 0
 Kgs id: 36.78833
 LonZ7: Hopkinsville
 County: Not Reported
 Quadrange: Not Reported
 Constr date: 0.00
 Bedrock depth: 0.00
 Static water: 0.00

Agency: 0
 Kgs id: 36.78833
 LonZ7: Hopkinsville
 County: Not Reported
 Quadrange: Not Reported
 Constr date: 0.00
 Bedrock depth: 0.00
 Static water: 0.00

Agency: 0
 Kgs id: 36.79380
 LonZ7: Hopkinsville
 County: Not Reported
 Quadrange: Not Reported
 Constr date: 0.00
 Bedrock depth: 0.00
 Static water: 0.00

Agency: 0
 Kgs id: 36.79380
 LonZ7: Hopkinsville
 County: Not Reported
 Quadrange: Not Reported
 Constr date: 0.00
 Bedrock depth: 0.00
 Static water: 0.00

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for CHRISTIAN 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

Federal Area Radon Information for Zip Code: 42240

Number of sites tested: 14

Area	Average Activity	% <= 4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.471 pCi/L	93%	7%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	2.880 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey
 EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2008. The 7.5 minute DEM corresponds to the USGS 1:24,000 and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

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 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Polygon Features

Source: Environmental Protection & Public Protection Cabinet
 Telephone: 502-584-5174

HYDROGEOLOGIC INFORMATION

AQUIFLOW® 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 files 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. Schuchert, R. E. Arctt and W. J. Bourne. Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P. G. Schuchert and H. M. Bakken Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

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

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
 Telephone: 800-672-9559
 SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:62,500. Field mapping methods using national standards are used to conduct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

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

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

STATE RECORDS

Kentucky Water Well Records Database

Source: Kentucky Geological Survey

Telephone: 859-257-5500

OTHER STATE DATABASE INFORMATION

RADON

Area Radon Information

Source: USGS

Telephone: 783-355-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1985 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

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

OTHER

Airport Landing Facilities:

Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6858

Epifanators:

World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

PHYSICAL SETTING SOURCE RECORDS SEARCHED

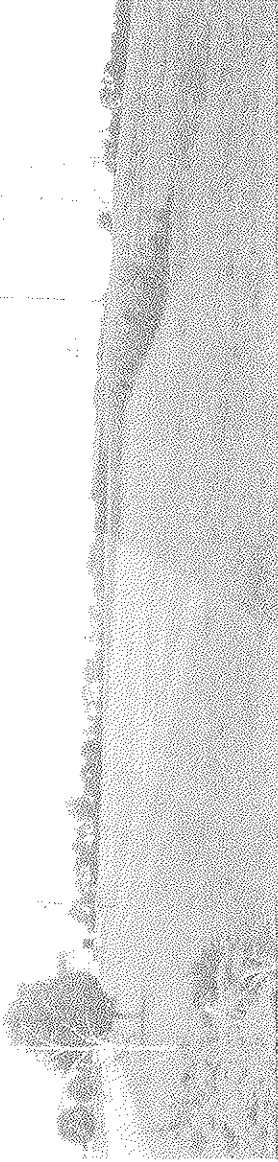
STREET AND ADDRESS INFORMATION

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Appendix C

Photographs

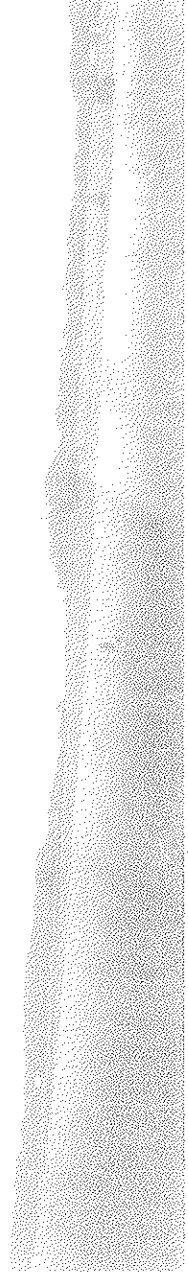




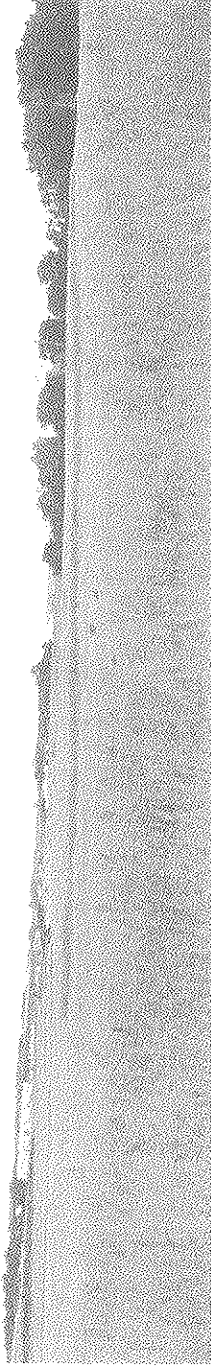
Subject Property
Looking East-Southeast from FP Corporation Property Line
Showing TVA Power Lines
CSX Railroad Along Treeline in Rear



Subject Property Looking South
Near Krusteaz Way
Beginning of Blue Line Stream on Left; Near Roadway



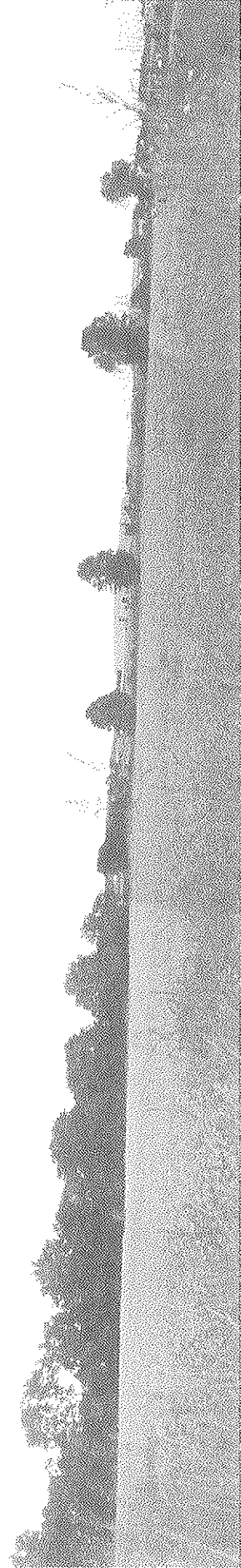
Subject Property Looking North-Northeast
Showing Adjacent Farm Property



Subject Property Looking West
From Krusteaz Way Entrance



Subject Property
Center of South Portion Looking West



Subject Looking Northwest
Showing T. G. Automotive and Adjacent Industries



Debris and Fence (in trees) From Former Residence
Near Dirt Road in Northwest Portion



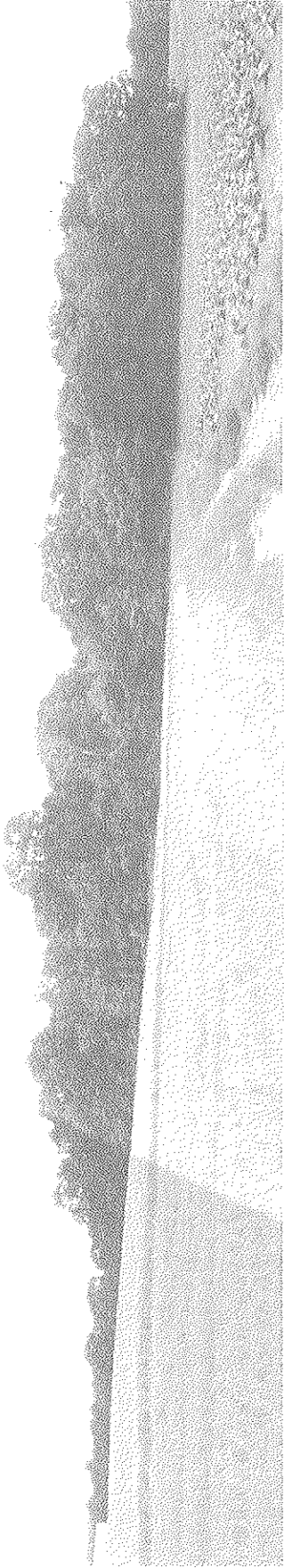
Subject Property
Looking North
Treeline on Right lines Blue Line Stream



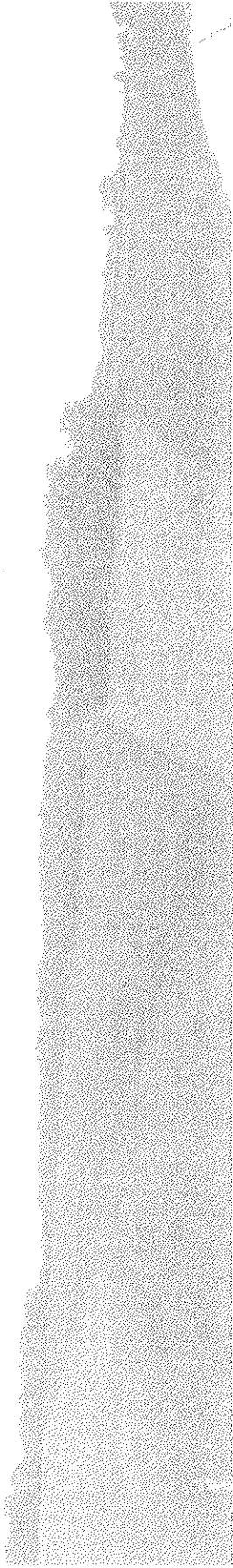
Portion of Dirt Road in Northwest Portion
Looking South



Subject Property
Looking West Showing Adjacent Farm Property



Subject Property
Looking South Showing Wooded Area Near Railroad



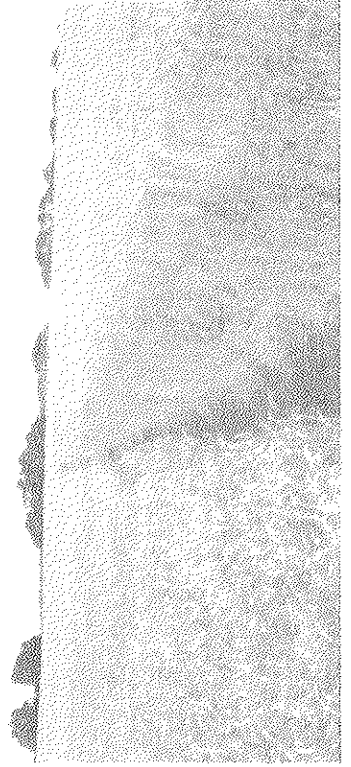
Subject Property
Looking Southeast
Showing Dirt Roadway and
Tree Stand that may be Cemetery



Subject Property
Soil Sampling Area



Subject Property
Soil Sampling Area



Subject Property
Soil Sampling Area

Appendix D

Environmental Questionnaire



ESE ENVIRONMENTAL QUESTIONNAIRE

(2 pages)

Facility: Green Field Site Location: Commerce Park Hopkinsville, KYDate completed: 6/27/06 Completed by: John B. Crenshaw, PresidentTelephone #: 270/885-1499 Company: Hopkinsville Industrial Foundation

1. Ownership/Occupant(s)

a. Site owned by: Hopkinsville Industrial Foundation
How long: 5 yearsb. Current occupant: green field sitec. Occupant's on-site operations include: farmingd. Previous occupant(s): green field sitee. Previous occupant(s) operations: farmingf. Any known environmental liens or other conditions on the site? If so, please explain:
nog. Other comments: n/a

2. On-site hazardous materials

To the best of your knowledge, have any of the following been used, stored, or generated on or adjacent to the subject site? Please circle the most appropriate answer. If yes, please clarify in the "Additional Comments" section.

Petroleum based fuels (oil, gasoline, etc.)?	Yes	<input type="radio"/> No	Adj. property
Cleaning solvents, degreasers, etc.?	Yes	<input type="radio"/> No	Adj. property
Herbicides, pesticides, etc.?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Adj. property
Paint, paint remover or thinner?	Yes	<input type="radio"/> No	Adj. property
Batteries?	Yes	<input type="radio"/> No	Adj. property
Asbestos?	Yes	<input type="radio"/> No	Adj. property
Poly chlorinated biphenyls (PCBs)?	Yes	<input type="radio"/> No	Adj. property

EARTH SCIENCE ENGINEERING, L.L.C.

201 West Dunbar Cave Road

Clarksville, TN 37040

931-645-8008

fax: 931-645-0160

www.earthscienceeng.com

ESE ENVIRONMENTAL QUESTIONNAIRE

(2 pages)

3. Items of environmental concern

To the best of your knowledge, have any of the following been located on or adjacent to the subject site? Please circle the most appropriate answer. If yes, please clarify in the "Additional Comments" section.

- Industrial drums, paint cans, or similar containers? Yes No Adj. property
- Fill piles? Yes No Adj. property
- Automotive batteries, parts, tires, etc.? Yes No Adj. property
- Underground storage tank system(s)? Yes No Adj. property
- Above ground storage tanks? Yes No Adj. property
- Water wells? Yes No Adj. property
- Waste treatment/disposal ponds or lagoons? Yes No Adj. property
- Stain soil, water sheen's, or stressed vegetation? Yes No Adj. property

4. Incidents

To the best of your knowledge, have any of the following occurred on or adjacent to the subject site? Please circle the most appropriate answer. If yes, please clarify in the "Additional Comments" section.

- Hazardous material / fuel spill(s)? Yes No Adj. property
- Fire(s)? Yes No Adj. property
- Flood(s)? Yes No Adj. property

5. Additional Comments

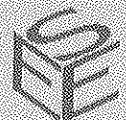
Please provide any additional site information or clarification of items above:

herbicides & pesticides have been used for farming reasons



Appendix E

Previous Phase I Environmental Site Assessment



>>> Effective Solutions

COMMERCE PARK
PHASE I
ENVIRONMENTAL SITE ASSESSMENT
REPORT

Hopkinsville-Christian Co.
Development Council
1209 South Virginia Street
P.O. Box 1382
Hopkinsville, Kentucky 42241-1382

Woolpert LLP
103 East First Street
P.O. Box 1598
Hopkinsville, Kentucky 42241-1598
502.886.3700

February 1998



WOOLPERT PHASE I ESA SUMMARY
COMMERCE PARK
HOPKINSVILLE, KENTUCKY

Date of Transmittal: February 11, 1998
From: Steve Osborne / John Mann
Site Name: Commerce Park, Hopkinsville, Christian County, Kentucky
Client: Hopkinsville-Christians Co. Economic Development Council, Inc.

Phase I ESA Summary: The purpose of this Phase I Environmental Site Assessment was to provide information in addition to the Environmental Site Assessment Phase I, Commerce Park conducted for the Hopkinsville Industrial Foundation, Inc. by Howard K. Bell Consulting Engineers, Inc. (HKB) in August 1993. Woolpert LLP has conducted this assessment in order to identify any potential environmental concerns associated specifically with potential development of the property located within and adjacent to Commerce Park along U.S. Highway 41 and Frank Yost Lane in Hopkinsville, Christian County, Kentucky. Based on a review of current and past land uses regarding the subject property and adjacent properties, the HKB Phase I report, and in collaboration with the site investigation, the following potential environmental concerns that may need to be taken into consideration prior to development are associated with the subject property:

- Historic cemetery located in the northwestern parcel.
- Potential wetland areas associated with ponds and drainage in the northwestern parcel and the blue line stream flowing through the central parcel.
- Karst features noted on the northwestern parcel.
- Household trash piled in bags next to house on northwestern parcel.
- Operations at Stump Enterprises, located adjacent to north boundary of central parcel (7725 U.S. 41).

COMMERCE PARK
PHASE I
ENVIRONMENTAL SITE ASSESSMENT
REPORT

Hopkinsville-Christians Co.
Development Council
1209 South Virginia Street
P.O. Box 1382
Hopkinsville, Kentucky 42241-1382

Woolpert LLP
103 East First Street
P.O. Box 1598
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502.886.3700

February 1998

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Section 3 - Federal/State Records Search

Section 4 - Correspondence with State, County, and Local Officials

Section 5 - Field Checklist

Section 6 - Site Photographs

PHASE I ENVIRONMENTAL SITE ASSESSMENT COMMERCE PARK SITE

INTRODUCTION

The Hopkinsville-Christian Co. Economic Development Council, Inc. is evaluating land within and adjacent to Commerce Park for industrial development. In January 1998, Woolpert LLP was contracted to conduct a Phase I Environmental Site Assessment (ESA) on what will be discussed as three parcels of land located within and adjacent to the existing Commerce Park, located along U.S. 41 and Frank Yost Lane in Hopkinsville, Christian County, Kentucky (subject property). The purpose of this Phase I ESA was to identify any recognized environmental conditions associated with the above-mentioned property and to verify and supplement information contained in the Environmental Site Assessment Phase I, Commerce Park conducted for the Hopkinsville Industrial Foundation, Inc. by Howard K. Bell Consulting Engineers, Inc. (HKB) in August 1993. The study was directed and reviewed by John M. Mann, PE. The Phase I ESA was conducted by Steve Osborne, Project Environmental Scientist. The study team members' qualifications are presented immediately following the Conclusions section of this document.

SCOPE OF WORK

The scope of work for the Phase I ESA consisted of collecting and reviewing available background information, conducting a site inspection, and preparing a report summarizing investigative activities and findings in accordance with the *American Society for Testing and Materials (ASTM) Standard E 1527-94 (Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process)* and the agreed upon scope of work. The following subsections present specific tasks included in this effort. The scope of this study includes historical background research, review of federal and state environmental agency data, and a visual site inspection. No interviews with persons having prior knowledge of the property were conducted for this study. Environmental sampling and laboratory testing were not performed as part of the Phase I ESA process.

RECORDS REVIEW

Physical Setting Sources

During the physical characterization phase of the project, Woolpert performed the following tasks:

- Obtained and reviewed available soil, geology, and groundwater maps/references to determine soil types, depth to bedrock and type, depth to groundwater, groundwater quality, and any significant geologic features associated with the subject property.
- Reviewed United States Geological Survey (USGS) 7.5-minute series topographic maps of the Hopkinsville and Pembroke, Kentucky quadrangles, which include the subject property and vicinity.

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February 1998

Commerce Park, Hopkinsville, Kentucky
Hopkinsville-Christian Co. Economic Development Council

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- Reviewed United States Department of the Interior Fish and Wildlife Service National Wetlands Inventory Maps of the Hopkinsville and Pembroke, Kentucky quadrangles which include the subject property and vicinity.
- Reviewed a 1996 aerial photograph of Commerce Park and vicinity.

Historical Sources

In the historical research phase of this project, Woolpert performed the following tasks to determine land ownership and prior uses that may have adversely affected the subject property:

- Conducted a chain-of-title search for the subject property from 1996 to 1907.
- Reviewed the HKB report and sources contained in the HKB report.
- Searched for historic Sanborn maps (none were available for the site area from 1867 through 1990).

Regulatory Agency Sources

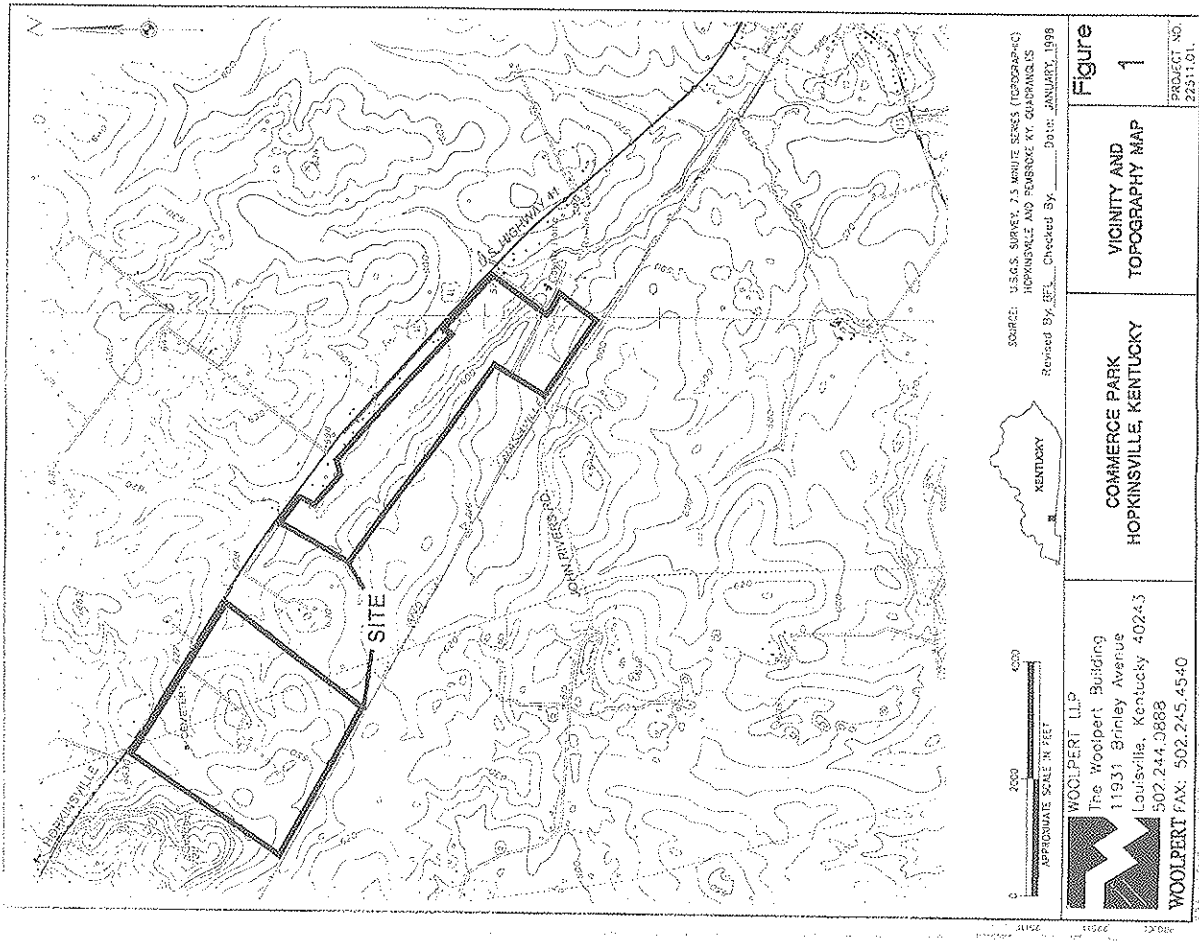
In the regulatory review phase of the project, Woolpert performed the following tasks:

- Reviewed the U.S. Environmental Protection Agency (EPA) Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) list and National Priorities List (NPL) to locate potential and existing hazardous waste sites within one mile of the subject property (Appendix Section 3).
- Reviewed the U.S. EPA Emergency Response Notification System (ERNS) list to determine whether any releases of oil or hazardous substances have been reported at or within one mile of the subject property (Appendix Section 3).
- Reviewed the U.S. EPA Resource Conservation and Recovery Information System (RCRIS) list of Resource Conservation and Recovery Act (RCRA) facilities to identify hazardous waste large and small quantity generators at or adjacent to the subject site and treatment, storage, and disposal facilities (TSDFs) within one mile of the subject property (Appendix Section 3).
- Reviewed the Kentucky Solid Waste Facility Report (SWF) maintained by the Kentucky Department for Environmental Protection (KDEP) Division of Waste Management (DWM) to locate registered solid waste landfills and processing facilities operating within one mile of the subject property (Appendix Section 3).
- Reviewed the KDEP DWM Underground Storage Tank (UST) branch list of registered active and inactive USTs within one mile of the subject property (Appendix Section 3).

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Commerce Park, Hopkinsville, Kentucky
Hopkinsville-Christian Co. Economic Development Council

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Interviews

- Contacted the KDEP DWM Madisonville Area Field Office requesting any information regarding illegal dumping, USTs and above-ground storage tanks (ASTs), unauthorized releases of hazardous materials or wastes by dumping, spills or accidents, or any other incident that may have occurred on or adjacent to this property (Appendix Section 4).
- Contacted the KDEP Division of Water requesting information regarding any files or permits that they may have associated with the subject and adjacent properties (Appendix Section 4).
- Contacted the KDEP Division of Air Quality requesting information regarding any files or permits that they may have associated with the subject and adjacent properties (Appendix Section 4).
- Contacted the KDEP Underground Storage Tank Branch requesting information regarding any files or permits that they may have associated with the subject and adjacent properties (Appendix Section 4).
- Contacted the Hopkinsville Fire Department regarding any records of incidences that may have been reported to the fire department with respect to the subject and adjacent properties (Appendix Section 4).
- Contacted the Christian County Health Department requesting any information regarding illegal dumping, USTs and above-ground storage tanks (ASTs), unauthorized releases of hazardous materials or wastes by dumping, spills or accidents, or any other incident that may have occurred on the subject or adjacent properties (Appendix Section 4).
- Contacted the Kentucky Geological Survey requesting any records of registered water wells within one mile of the subject property (Appendix Section 1).

LOCATION OF STUDY AREA

The subject property is located within and adjacent to Commerce Park along U.S. 41 and Frank Yost Lane in Hopkinsville, Christian County, Kentucky. The location of the subject property site, taken from the U.S. Geological Survey 7.5 minute series Hopkinsville and Pembroke, Kentucky quadrangle maps, is depicted on Figure 1.

The subject property is approximately 400 acres. For the purpose of discussion, the property is divided into three "parcels" for discussion. The northwestern parcel is an approximately 200 acre square shaped area. This parcel is bounded to the north by U.S. 41, to the east by Commerce Park, to the south by the CSX rail line, and to the west by a residential and wooded area. The central parcel is an approximately 175 acre area. This parcel is bounded to the north by residences located along U.S. 41, to the east by John Rivers Road, to the south by Frank Yost Lane, and to the west by property owned by the Hopkinsville Industrial Foundation, Inc. The southeast parcel is an approximately 28 acre area. This parcel is bounded to the north by John Rivers Road (this section of John Rivers Road may also be known as Sakubia Springs Road), to the east by agricultural land, to the south by the CSX rail line, and to the west by John Rivers Road. The only structure currently found on the subject property is a small house near the center of the northwest parcel. The majority of the subject property is currently being used for agricultural purposes (winter wheat, hay, soybean, and corn production). The subject property is located approximately 4 miles southeast of the Pennyrite Parkway and about 6.5 miles southeast of downtown Hopkinsville.

PHYSICAL SETTING

Topography

The subject property lies within the Western Pennsylvanian physiographic portion of the Mississippian Plateau region of Kentucky. The region is characterized by gently rolling topography with areas of karst. Local bedrock is comprised of strata of Mississippian age. According to the USGS 7.5-minute quadrangle maps for Hopkinsville and Pembroke, Kentucky, the area in the vicinity of the subject property is gently sloping to rolling. The approximate ground elevation at the subject property ranges from about 570 to 650 feet above mean sea level (MSL).

Drainage Characteristics

Site surface water drainage generally follows the topography of the area with overland flow heading in generally southeasterly direction. Runoff from the western portion of the northwestern parcel drains into a pond and sinkhole area near the center of this parcel (shown as a pond on the figure). The southeastern portion of this parcel drains along a small channel running east to the eastern parcel boundary. Drainage from the extreme northern portion of the parcel flows into a drainage channel running parallel to U.S. 41. Drainage from the extreme southern portion of the parcel flows into a small drainage channel running parallel to the CSX rail line.

The central parcel is drained by an unnamed tributary to the Little River, shown as a blue line stream on the figure, running through the entire northwest to southeast length of the property. This stream contains flow from the west from Commerce Park and the northwest parcel and flow from the north from a portion of Commerce Park that has been developed on the north side of U.S. 41.

The southeastern parcel of the property is drained by a small drainage ditch that runs along the CSX rail line for about 600 feet before turning northeast through the property. A small pond shown on the figure is in the line of the drainage channel but does not exist. This drainage connects to the unnamed tributary approximately 500 feet east of the subject property. Because of the karst geology of the region, much of the localized drainage in the area is directed to sinkholes. Karst features were noted on the northwestern parcel. The Little River, located approximately 3.2 miles to the north and west of the property, is the main surface water drainage feature in this portion of Christian County. The Little River flows in a generally westerly direction to Lake Barkley on the Cumberland River.

No evidence of serious erosion problems was observed during the site visit on or immediately adjacent to the subject property. Some erosion has taken place as a result of the ongoing utility and road construction on and adjacent to the subject property. Groundwater recharge on the subject property is anticipated to be moderately slow where sinkholes are not present. This is because of the properties of the soil types in the immediate area and the fact that most all of the upper level natural soils in the immediate area have been disturbed over the years by agriculture. Groundwater recharge via sinkholes in a karst system is rapid. Groundwater discharge was noted at a point approximately 200 feet east of the house on the northwestern parcel. Water was noted seeping from the south side of the slope of the land just prior to the beginning of the drainage channel in that portion of the property. This did not appear to be perennial spring flow.

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Hopkinsville-Christian Co. Economic Development Council

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No known groundwater monitoring wells exist on the site or in the immediate vicinity for verification of groundwater elevations or flow direction. Six groundwater monitoring wells were located for a one mile radius around the property from a data base search by the Kentucky Geological Society, with information from the Division of Water. The limited amount of information included with this particular well search could not be used to provide flow direction.

Soil Conditions

According to the *Soil Survey of Christian County, Kentucky* (1977), two soil types are predominate on the subject property. Pembroke silt loam, 2 to 6 percent slopes (PmB) and Nicholson silt loam, 2 to 6 percent slopes (Nhb). The PmB soil unit is a deep, well drained gently sloping soil loam, 2 broad, slightly karst ridges. The available water capacity of the soil is high and the permeability is moderate with medium runoff. The soil is high in natural fertility making it well suited to cultivated crops, hay and pasture. The erosion hazard is moderate. The soil is suited to most urban uses, however low strength is a limitation. Depth to rock in Pembroke series soils is reportedly greater than 90 inches.

The Nhb soil unit consists of deep, moderately well drained soils that have a fragipan around 2 feet below the surface. This fragipan slows the movement of water. Nhb soils have moderate water capacity, moderate permeability above the fragipan, slow permeability in the fragipan, and medium runoff. Nhb is fairly well suited to most cultivated crops. The erosion hazard is a moderate limitation. This soil is suited for most urban uses. Wetness and slow permeability affect septic fields and buildings with basements. Low strength is a limitation in building roads and streets. Depth to rock in Nicholson series soils ranges from 70 to greater than 100 inches.

Hydrogeology

Bedrock in the area is reportedly of the Meramec and Chester series with the St. Genevieve limestone formation found in the immediate vicinity of the property. Bedrock formation lithology is characterized as white to medium-gray, fine-grained to oolitic, crossbedded limestone with some sandstone present in the upper layers. Overall bedrock dip in the area appears to be to the north-northwest. Wells drilled that encounter solution channels in the karst may yield more than 50 gallons per minute. Springs having flows ranging from 10 to 1,500 gpm may occur at or near stream levels. Since no wells were identified in the immediate area of the site by the state database search, no groundwater flow or quality data was readily available for review.

CURRENT AND HISTORIC LAND USE

Current and Historic Land Use of Subject Property

The results of a deed search for the properties containing the Commerce Park site subject property conducted by Woodport are found below:

© Woodport
February 1998

Commerce Park, Hopkinsville, Kentucky
Hopkinsville-Christian Co. Economic Development Council

6

NORTHWEST PARCEL

CHRISTIAN COUNTY DEED BOOK #	PAGE #	DATE	SELLER	BUYER
502	397	08/30/93	Rogers Group, Inc. (consolidation of Dixie Pavers and Hopkinsville Stone Co.)	Means and Fort Electric, Inc.
357	69	02/08/73	Dixie Pavers	Hopkinsville Stone Co.
*	*	03/07/72	C.E. & Katie Wilson and J.E. & Wilma Louise Wilson	Dixie Pavers

* No deed book and page number found to further trace deed

CENTRAL and SOUTHEASTERN PARCELS - Part 1A

CHRISTIAN COUNTY DEED BOOK #	PAGE #	DATE	SELLER	BUYER
388	120	01/01/77	Joe L. & Rosebud Dunn	Phillip & Peggy H. Mullins
236	512	04/20/53	M.B. Eblen	Joe L. & Rosebud Dunn
240	388	02/24/47	S.Y. Trimble	M.B. Eblen
146	252	11/14/18	Ligon, Trustee for D.L. Lander	S.Y. Trimble
115	330			D.L. Lander files Salubria Springs Subdivision
96	63	04/21/1897	R.H. Holland	D.L. Lander
and				
88	238	04/01/1894	M. Baker Williams	D.L. Lander

CENTRAL and SOUTHEASTERN PARCELS - Part 1B

CHRISTIAN COUNTY DEED BOOK #	PAGE #	DATE	SELLER	BUYER
388	120	01/01/77	Joe L. & Rosebud Dunn	Phillip & Peggy H. Mullins
242	173	07/10/54	Harold Gray and Harold Gray Jr.	Joe L. & Rosebud Dunn
210	588	02/24/47	S.Y. Trimble	Harold Gray and Harold Gray Jr.
146	252	11/14/18	Ligon, Trustee for D.L. Lander	S.Y. Trimble
115	330			D.L. Lander files Salubria Springs Subdivision
96	63	04/21/1897	R.H. Holland	D.L. Lander
and				
88	238	04/01/1894	M. Baker Williams	D.L. Lander

CENTRAL and SOUTHEASTERN PARCELS - Part 2

CHRISTIAN COUNTY DEED BOOK #	PAGE #	DATE	SELLER	BUYER
388	120	01/01/77	Joe L. & Rosebud Dunn	Phillip & Peggy H. Mullins
322	180	09/29/67	W.B. & Martha Stump	Joe L. & Rosebud Dunn
311	434	04/01/66	W.B. & Martha Stump	W.B. & Martha Stump
217	444	07/26/49	S.L. Powell	W.B. & Martha Stump
207	650	04/15/46	Alma Heflin	S.L. Powell
187	183	02/24/38	T.E. Felhner	Alma & G.E. Heflin
181	153	04/21/54	First City Bank & Trust (trustee for R.H. Holland)	L.G. Nichols and T.E. Felhner

Nothing found in the deed search indicates historical industrial use of the subject property. Corporate owned land in the northwestern parcel is apparently leased to local farmers for cultivation. No historic Sanborn fire insurance maps were located for the area of the subject property. Other than the 1949 and 1981 aerial photographs described in the HKB report, no historical aerial photographs of the subject property and vicinity were reviewed. The aerial photographs did not indicate that the property had been developed for any use other than agricultural, which is also the current use. A 1996 aerial photograph was also reviewed. The only residence noted on any of the three parcels is found at or near the current location of a small house on the northwestern parcel. Historic aerial and topographic maps indicate that a barn(s) or shed may have been associated with the house. According to all sources available for this report, the subject property does not appear to have been used for anything other than agricultural purposes.

Current and Historic Land Use of Adjacent Properties

Land use adjacent to the north (across U.S. 41), south (across the CSX rail line), and west of the northwestern parcel is a mixture of agricultural, residential, and undeveloped wooded land. To the east of this parcel is the developing Commerce Park. A Continental Mills bakery facility, currently under construction, is the nearest industrial neighbor to this parcel.

Land use adjacent to the central parcel consists of residential housing to the north (along U.S. 41) and east (across John Rivers Road) and industrial development to the south and west (across Frank Yost Lane). Industries include Siemer Milling Company, The Budd Company, Sun Chemical, and Bulkmatic Transport.

Land use adjacent to the southeastern parcel consists of cultivated land to the north (across John Rivers Road on the central parcel), east, and south (across the CSX rail line) and undeveloped land to the west that is currently part of Commerce Park. Prior to development noted, the land adjacent to the subject property appears to have been either agricultural cropland or undeveloped.

Current and Historic Land Use in Surrounding Areas

Historic land use in this area has been agricultural and residential in nature. The Commerce Park industrial park development is currently part of an expansion of industry along U.S. Highway 41 to the southeast from the Pennyrite Parkway and the city of Hopkinsville. A quarry is located approximately one mile to the northwest of the subject property. Land in the area that is not directly connected to the highway remains agricultural. At the time of this investigation, U.S. Highway 41 was in the process of being widened from two to four lanes southeast from the Pennyrite Parkway towards the Commerce Park area to accommodate the increasing traffic volume associated with commercial and industrial development in the area. Overall, the corridor along the highway appears to be in the process of conversion from a primarily rural, agricultural area to a commercial and industrial area. As described below, no activities noted in the records search within the surrounding area appear to pose any significant potential environmental threat to the subject property.

ENVIRONMENTAL RECORDS SEARCH AND REVIEW

The hazardous material records search was conducted within a one mile radius of the property site. Information was requested and received from federal and state databases detailing the presence of, or potential for, any solid or hazardous waste sites. During the records search, 2 sites were discovered within one mile of the subject property. The results of the records search, along with maps showing the relative locations to the subject property of the sites discovered are found in Section 3 of the Appendix. Note that the actual location of the subject property is approximately 0.3 miles to the southeast of the location shown on the maps in Section 3. In addition, letters were sent to and telephone contact was made with state, county and local agencies and officials requesting information relative to the subject property (Section 4 of the Appendix). The following databases were reviewed for pertinent information.

- The National Priorities List (NPL), also known as the Superfund List, is an EPA listing of uncontrolled or abandoned hazardous waste sites. These sites are targeted for possible long-term remedial action under the Comprehensive Environmental Response, Compensation, and Liability Act (The Superfund Act). There are no NPL listed sites located within the search area.
- The Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) list is a compilation of known and suspected uncontrolled or abandoned hazardous waste sites. These sites have been investigated or are currently under investigation by the EPA for the release or threatened release of hazardous substances. There are no CERCLIS listed sites within the search area.
- The Toxic Release Inventory (TRI) contains information gathered by the EPA about the estimated release of toxic chemicals into the environment. The TRI includes the data relating to the amount of chemicals that are stored at a facility, and the estimated quantity that have been emitted into the environment. There are no TRI listed sites located within the search area.
- The Resources Conservation and Recovery Information System (RCRIS) report of large and small quantity generators and treatment, storage, and disposal (TSD) facilities, contains information about those facilities that are required to register their hazardous waste activity under the Resources Conservation and Recovery Act (RCRA). A large quantity generator (LQG), according to RCRA, produces or accumulates more than 1000 kg of hazardous waste per month and produces or accumulates more than 1 kg of acutely hazardous waste per month. RCRIS also reports small quantity generators (SQGs). RCRA small quantity generators produce or accumulate between 100 and 1000 kg of hazardous waste per month and produce or accumulate less than 1 kg of acutely hazardous waste per month. There are no sites listed as TSD facilities or RCRA waste generators within the search area.
- The Emergency Response Notification System (ERNS) is a national computer database system compiled by the US EPA and the US Department of Transportation that is used to store information on the release of hazardous substances into the environment. The ERNS reporting system contains preliminary information on specific releases, including the spill location, the substance released, and the responsible party. No ERNS incidents were reported within the search area.
- The Polychlorinated biphenyl Activity Database System (PADS) stores information about facilities which handle polychlorinated biphenyls (PCBs) and files EPA form 7710-53. It lists PCB handlers in the classification of storage facilities, disposers, generators, and transporters. No PADS listed generator and transporter facilities are found within the search area.
- The Section Seven Tracking System (SSTS), formerly known as FATES, tracks registration of all pesticide-producing establishments. No SSTS listed facilities are found within the search area.
- The Kentucky Solid Waste Facilities Report, maintained by the Kentucky Department for Environmental Protection (KDEP) Division of Waste Management (DWM), contains summary information pertaining to all registered solid waste landfills and processing facilities operating within the Commonwealth of Kentucky. No solid waste facilities are reported within the search area.

- The Kentucky Underground Storage Tank Report, maintained by the KDEP DWM Underground Storage Tank Branch, contains summary information pertaining to all registered active and inactive USTs located within the Commonwealth of Kentucky. The Kentucky UST list does not report whether or not there have been any releases from the tanks, only the number of active and inactive or previously removed tanks registered at the site. Two UST listed sites are reported within a mile radius of the subject property. Both are located to the north of Commerce Park along U.S. Highway 41. Because of these sites locations relative to the subject property, any releases that may have occurred from the tanks at these locations would be extremely unlikely to ever effect the surface or subsurface environment of the subject property.

SITE INVESTIGATION

A Woolpert scientist conducted a site investigation of the Commerce Park site on January 21, 1998. The results of the site investigation are summarized on the field checklist presented in Section 5 of the Appendix. In addition, photographs taken at the site are shown in Section 6 of the Appendix. The subject property is located within and adjacent to Commerce Park along U.S. 41, Frank Yost Lane, and John Rivers Road in Hopkinsville, Christian County, Kentucky. For the purpose of discussion, the property is divided into three "parcels" for discussion. The northwestern parcel is an approximately 280 acre square shaped area. This parcel is bounded to the north by U.S. 41, to the east by Commerce Park, to the south by the CSX rail line, and to the west by a residential and wooded area. A small house is found near the center of this parcel. High tension power lines operated by the Tennessee Valley Authority bisect this parcel in a north - south direction. Drainage channels are found along the boundaries of this parcel parallel to U.S. 41 in the north and the CSX rail line to the south. Underground utility construction was on-going along U.S. 41 on this parcel at the time of the investigation. The southwestern portion of this parcel is partially wooded. White-tailed deer were observed in this area during the site investigation. Karst features, including sinkholes, ponds, and a small, apparently annual spring, were observed on this parcel. An historic family cemetery is found in the northwestern portion of the parcel. The cemetery is found in an approximately 50 foot diameter stand of trees surrounded by cultivated land. Grave markers dated from the early to mid 1800s were noted. The majority of this parcel is cultivated.

The central parcel is an approximately 175 acre area. This parcel is bounded to the north by residences located along U.S. 41, to the east by John Rivers Road, to the south by Frank Yost Lane, and to the west by property owned by the Hopkinsville Industrial Foundation. A stream bisects this parcel from northwest to southeast. Drain tiles were noted draining into the stream from the south. Most all of this land is cultivated. An area around a drainage channel and in the western portion of the parcel is wooded. A small area in the east portion of this parcel adjacent to U.S. 41 that was not cultivated appears to have been the former location of a house or barn.

The southeast parcel is an approximately 28 acre area. This parcel is bounded to the north by John Rivers Road (this section of John Rivers Road may also be known as Sahbrija Springs Road), to the east by agricultural land, to the south by the CSX rail line, and to the west by John Rivers Road. The majority of this parcel is cultivated. A drainage channel runs from John Rivers Road along the CSX rail line for about 600 feet before turning northeast across the parcel. Some trees and household trash were noted in the drainage channel along the rail line. Utility poles also run parallel to the rail line on the parcel.

Areas identified on National Wetland Inventory Maps classified as wetlands exist on the northwestern and central parcels of the subject property. These include the pond and drainage channel in the northwestern parcel and the drainage channel (a blue line stream) in the central parcel.

No evidence of improper use, disposal, or storage of potentially dangerous or hazardous materials, wastes or substances was observed on the subject property. Bags of what appeared to be household trash were noted piled outside of the house located on the northwestern parcel (see photos in Appendix Section 6). In addition, household trash, tires, and other debris were noted along the drainage channel on the north side of the CSX rail line in the southeastern parcel and on a wooded vacant lot adjacent to the central parcel between that parcel and U.S. 41.

No underground storage tanks (USTs) or aboveground storage tanks (ASTs) were observed on the subject property. The HKB report identified a UST on a property adjacent to the central parcel. An old dispenser pump was noted next to a barn just southeast of the house located at 6625 U.S. 41. The operational status of the pump and presence of a tank was not verified. Based on the assumed location of the tank and the fact that any tank associated with the small size of agricultural operation observed would most likely be relatively small (500 gallons or less), this UST site would not likely pose a significant potential environmental threat to the subject property.

HAZARDOUS SUBSTANCES AND PETROLEUM PRODUCTS

The subject property and adjacent properties were evaluated for the presence of hazardous substances and waste materials and petroleum products that might have been used, stored, or disposed. Upon inspection, no potentially hazardous materials storage was observed on the subject property. Two sites that may have hazardous substances or petroleum products associated with them are found on properties adjacent to the subject property. Sturup Enterprises, located adjacent to north boundary of central parcel (7725 U.S. 41 at the eastern intersection of Frank Yost Lane and U.S. 41), appears to be the location of an industrial sandblasting operation. Several large generators were noted on the property. Runoff from this property drains to the south to the unnamed tributary flowing through the eastern portion of the central parcel. In addition, what appeared to be a small automobile repair garage is located at the southeast corner of the intersection of U.S. 41 and John Rivers Road. An area of stained soil around an oil change rack is located outside of this garage. This area does not drain onto the subject property and does not appear to pose a potential environmental threat to the subject property.

Storage Tanks

The subject property was inspected for visible evidence of aboveground and underground storage tanks. None were observed. A UST dispenser pump was noted on a property adjacent to the north boundary of the center parcel. As described, the operating status and existence of a tank could not be verified. The Kentucky UST Branch has no records of USTs located along the section of U.S. 41 where the pump was observed.

CONCLUSIONS

The purpose of this Phase I Environmental Site Assessment was to provide information in addition to the Environmental Site Assessment Phase I, Commerce Park conducted for the Hopkinsville, Christian Co. Economic Development Council, Inc. by Howard K. Bell Consulting Engineers, Inc. (HKB) in August 1993. Woolpert LLP has conducted this assessment in order to identify any potential environmental concerns associated specifically with potential development of the property located within and adjacent to Commerce Park along U.S. Highway 41 and Frank Yost Lane in Hopkinsville, Christian County, Kentucky. Based on a review of current and past land uses regarding the subject property and adjacent properties, the HKB Phase I report, and in collaboration with the site investigation, the following potential environmental concerns that may need to be taken into consideration prior to development are associated with the subject property:

- Historic cemetery located in the northwestern parcel.
- Potential wetland areas associated with ponds and drainage in the northwestern parcel and the blue line stream flowing through the central parcel.
- Kars: features noted on the northwestern parcel.
- Household trash piled in bags next to house on northwestern parcel.
- Operations at Stump Enterprises, located adjacent to north boundary of central parcel (723 U.S. 41).

Polychlorinated Biphenyls

The subject property was investigated for suspected polychlorinated biphenyls (PCBs) equipment such as transformers, capacitors, light ballasts, and hydraulics. Transformers were noted on a pole on the southeastern parcel. These transformers were not labeled as to PCB content. Transformers were also noted on poles along Frank Yost Lane. These transformers are new and all are labeled as "non-PCB". Transformers are also located on poles along U.S. 41. None of these are labeled as to their PCB content. Electric power in the area is provided by the Pennyrite Rural Electric Cooperative. In the event of a PCB release from a transformer, the responsibility for cleanup and environmental restoration is with the utility provider.

Pits, Ponds, or Lagoons

Ponds and sinkholes are located as previously described on the northwestern parcel.

Drains and Sumps

Field tiles for the drainage of agricultural land were noted draining from the south bank of the unnamed tributary. The tiles consist of perforated plastic piping, and are put in place to aid in the drainage of agricultural land.

Stains and Corrosion

No evidence of staining or corrosion was observed on the subject property. Heavy petroleum staining was noted at the auto repair garage located at the southeast corner of John Rivers Road and U.S. 41.

Stormwater/Wastewater Disposal

Site surface water drainage has previously been described. Existing sanitary sewer service is currently being upgraded along U.S. 41. Sanitary sewers are under construction for Commerce Park.

Potable Water Source

Water service for the area is provided by the Hopkinsville Water Environment Authority. Water lines have recently been installed along Frank Yost Lane to serve Commerce Park.

Interior Inspections

No interior inspections were conducted for this investigation.

REFERENCES

- American Society for Testing and Materials, 1994. *ASTM Standard E 1527-97 (Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process)*.
- Howard K. Bell, Consulting Engineers, Inc. Lexington, KY. August 1993.
- Environmental Site Assessment Phase I - Commerce Park, U.S. Highway 41, Hopkinsville, Kentucky.*
- Froelge, Ronald D. 1977. *Soil Survey of Christian County, Kentucky*. United States Department of Agriculture Soil Conservation Service and Kentucky Agricultural Experiment Station.
- Geologic Map of the Hopkinsville Quadrangle, Christian County, Kentucky*. USGS and Kentucky Geological Survey, University of Kentucky, 1967.
- Lambert, T.W. and R.F. Brown, 1963. *Availability of Groundwater Caldwell, Christian, Crittenden, Livingston, Lyon, Todd, and Trigg Counties, Kentucky*. HA-34 sheet 2 of 3. United States Geological Survey (USGS) and Kentucky Geological Survey, University of Kentucky.
- Lambert, T.W. and R.F. Brown, 1963. *Generalized Columnar Section and Water-Bearing Character of the Rocks in Caldwell, Christian, Crittenden, Livingston, Lyon, Todd, and Trigg Counties, Kentucky*. HA-34 sheet 3 of 3. USGS and Kentucky Geological Survey, University of Kentucky.
- Lambert, T.W. and R.F. Brown, 1965. *Geologic Map of Caldwell, Christian, Crittenden, Livingston, Lyon, Todd, and Trigg Counties, Kentucky (County Group 24), HA-24 sheet 1 of 3*. USGS and Kentucky Geological Survey, University of Kentucky.
- U.S. Department of the Interior Fish and Wildlife Service, 1988. *National Wetlands Inventory Map, Hopkinsville, Kentucky Quadrangle*.
- U.S. Department of the Interior Fish and Wildlife Service, 1981. *National Wetlands Inventory Map, Pembroke, Kentucky Quadrangle*.
- USGS 1982. *Hopkinsville, Kentucky, 7.5-Minute Series Topographic Quadrangle Map*. USGS and Kentucky Geological Survey, University of Kentucky.
- USGS 1982. *Pembroke, Kentucky, 7.5-Minute Series Topographic Quadrangle Map*. USGS and Kentucky Geological Survey, University of Kentucky.

LIMITATIONS OF WORK PRODUCT

The work product and reports provided by Woolpert LLP in conjunction with the performance of Phase I Environmental Site Assessments are subject to the following limitations:

- The observations described in this Report were made under the conditions stated therein. The conclusions presented in the Report were based solely upon the services described therein as the General Scope of Work and not on scientific tasks or procedures beyond the scope of described services. Woolpert will be responsible only to the Client or its assignee for the services specified in the General Scope of Work. Furthermore, Woolpert assumes no responsibility for liabilities associated with site conditions which did not come to its knowledge or were not recognized as environmentally unacceptable at the time that the Report was prepared. Additionally, Woolpert assumes no liability for the use or misuse of information contained in this assessment.
- In preparing this Report, Woolpert has relied on certain information provided by federal, state, and local officials and information and representations made by other parties referenced therein and on information contained in the files of federal, state and/or local agencies made available to Woolpert at the time of the site assessment. Woolpert is not responsible for such files that are missing, incomplete, or not provided to Woolpert. Although there may have been some degree of overlap in the information provided by these various sources, Woolpert did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this site assessment.
- Observations were made of the site and of structures on the site as indicated within the Report. The Report includes a description of site conditions and an opinion with regard to additional data needs. This opinion is rendered in accordance with generally accepted professional standards but is not to be construed as a guarantee or warranty as to the potential liability associated with environmental conditions at the site.
- No quantitative laboratory testing of soils, water, or wastes was performed as part of the site assessment. Interior inspections for asbestos containing materials (ACMs) were not conducted under this scope of work.

QUALIFICATIONS

JOHN M. MANN, PE Associate Partner

Mr. Mann manages Woolpert's Engineering Group in Louisville, Kentucky and is responsible for all aspects of planning, business development, administration, production, and quality control for engineers, technicians, and support staff in the group. Mr. Mann has over 20 years experience in environmental engineering and has conducted and overseen projects involving municipal, water, wastewater and industrial wastewater treatment; design and construction of water treatment plants, odor control, industrial pre-treatments, and environmental and underground storage tank site assessments and remedial design.

Mr. Mann is a registered Professional Engineer in Kentucky, Ohio, Tennessee, Indiana, and North Carolina, Ohio-54154, Kentucky-14226 (Sanitary and Civil Engineer), Tennessee-20833 (in-active status), and North Carolina.

STEPHEN L. OSBORNE Environmental Scientist

Mr. Osborne has over seven years experience as an environmental scientist. His specific expertise is in the collection, analysis and presentation of hydrogeologic data including soil, sediment, surface water and ground-water samples for site characterization and remedial activities and ecological assessment and National Environmental Policy Act (NEPA) issues. Site characterization data collection and analysis projects have included both RCRA and CERCLA 107 projects where all data collection is conducted in anticipation of litigation. Mr. Osborne has been involved in all aspects of the planning, design, implementation, analysis, and reporting of not only these types of projects but also numerous Phase I and Phase II environmental site assessments (ESAs) and underground storage tank (UST) site investigations. Mr. Osborne's NEPA experience includes work on ecological assessments for transportation projects for submission to the Federal Highway Administration and Environmental Impact Statements (EIS).

Section 1 - Well Logs

APPENDICES



UNIVERSITY OF KENTUCKY

KENTUCKY GEOLOGICAL SURVEY

228 Mining and Mineral Resources Building
University of Kentucky
Lexington, KY 40506-0107
Phone (606) 257-5500

September 17, 1997

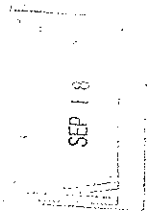
Mr. Steve Osborne

WALKERT LLP

Barkley Bldg Suite 100

12700 Shelbyville Rd

Louisville, KY 40243-1573



Dear Steve

The results of the data search you requested on 9/16 are as follows:

LATITUDE	LONGITUDE	RADIUS	NUMBER OF HYDROLOGIC SITES FOUND	SITE TYPE(S)	COMMENTS
36°47'30"	87°23'30"	1 mile	6	Wells	Commerce Park

Note that these data represent only information contained in the Kentucky Ground-Water Data Repository, and may not be representative of all hydrologic sites (i.e., wells, springs) in the search area. Water wells were not required to be registered with the State prior to 1985.

If this data search revealed any public water supply wells, or if you have identified public water supply wells on your site that are not indicated by this search, then you must contact the Kentucky Division of Water (DOW), Groundwater Branch, to determine whether your site is located within a wellhead protection area. Until further notice, you do not have to contact DOW concerning wellhead protection areas if neither of the above cases apply. The contact person at DOW is Ms. Beverly Oliver at (502) 564-3410.

Thank you for your interest in the Survey. Please do not hesitate to call should you have questions or comments about the data, or if we can be of further assistance.

Sincerely,
Bart Davidson
Bart Davidson
Geologist and Manager
Office of Geologic Information



LITHOLOGIC DATA FOR THE ABOVE SITE
DIVISION OF WATER INFORMATION ONLY

SLAC: 100.0
OPEN HOUR: 100.0
2997
00009977
1-01-1999

Section 2 - Historic Maps and Records

THE FOLLOWING WELLS WERE LOCATED WITHIN A 1.00-MILE RADIUS OF LATITUDE: 36°17' 30.00" AND LONGITUDE: -87°23' 00.00".

THE REPORTING AGENCY OF THESE SITES IS THE KENTUCKY DIVISION OF WATER.

DATE FROM THE KENTUCKY GEOLOGICAL SURVEY AND/OR OTHER DATA SOURCES ARE CONSTANTLY BEING REANDED, UPDATED, AND MODIFIED. THESE DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE. WELL DATA PROVIDED HEREIN MAY NOT BE REPRESENTATIVE OF ALL WELLS WITHIN THE SPECIFIED AREA. SHOULD ANY ERRORS OR INCONSISTENCIES BE DISCOVERED IN THE DATA SET, PLEASE NOTIFY THE DATA MANAGER, KENTUCKY GEOLOGICAL SURVEY, 111 W. MAIN ST., ROOM 1001, LEXINGTON, KENTUCKY 40503-0101. PHONE (606) 257-2500.

THE KENTUCKY GEOLOGICAL SURVEY MUST BE CONSULTED IN ANY REPORT OR PUBLICATION USING DATA FROM THE KENTUCKY GEOLOGICAL SURVEY.

Agency	Well Name	Well ID	Well Type	Depth (ft)	Latitude	Longitude	Depth (ft)	Well Status
USGS	00007112	00007112	DOMESTIC	260	36:47:18.00	-87:23:16.00	260	ACTIVE
USGS	00007113	00007113	DOMESTIC	260	36:48:02.00	-87:23:08.00	260	ACTIVE
USGS	00007114	00007114	DOMESTIC	260	36:47:35.00	-87:24:26.00	260	ACTIVE
USGS	00007115	00007115	DOMESTIC	260	36:47:35.00	-87:23:02.00	260	ACTIVE
USGS	00007116	00007116	DOMESTIC	260	36:48:02.00	-87:23:50.00	260	ACTIVE
USGS	00007117	00007117	DOMESTIC	260	36:47:18.00	-87:24:16.00	260	ACTIVE

THE REPORTING AGENCY OF THE FOLLOWING SITES IS LISTED IN THE AGENCY COLUMN.

Agency	Well Name	Well ID	Well Type	Depth (ft)	Latitude	Longitude	Depth (ft)	Well Status
USGS	00007118	00007118	DOMESTIC	260	36:47:18.00	-87:24:16.00	260	ACTIVE
USGS	00007119	00007119	DOMESTIC	260	36:48:02.00	-87:23:50.00	260	ACTIVE
USGS	00007120	00007120	DOMESTIC	260	36:47:35.00	-87:24:26.00	260	ACTIVE
USGS	00007121	00007121	DOMESTIC	260	36:47:35.00	-87:23:02.00	260	ACTIVE
USGS	00007122	00007122	DOMESTIC	260	36:48:02.00	-87:23:50.00	260	ACTIVE
USGS	00007123	00007123	DOMESTIC	260	36:47:18.00	-87:24:16.00	260	ACTIVE

**** ADDRESS FOR THE ABOVE SITES ****

**** ADDRESS INFORMATION FOR THE ABOVE SITES ****

Agency	Well Name	Well ID	Well Type	Depth (ft)	Latitude	Longitude	Depth (ft)	Well Status
USGS	00007124	00007124	DOMESTIC	260	36:47:18.00	-87:24:16.00	260	ACTIVE
USGS	00007125	00007125	DOMESTIC	260	36:48:02.00	-87:23:50.00	260	ACTIVE
USGS	00007126	00007126	DOMESTIC	260	36:47:35.00	-87:24:26.00	260	ACTIVE
USGS	00007127	00007127	DOMESTIC	260	36:47:35.00	-87:23:02.00	260	ACTIVE
USGS	00007128	00007128	DOMESTIC	260	36:48:02.00	-87:23:50.00	260	ACTIVE
USGS	00007129	00007129	DOMESTIC	260	36:47:18.00	-87:24:16.00	260	ACTIVE

**** ADDRESS INFORMATION FOR THE ABOVE SITES ****

**** ADDRESS INFORMATION FOR THE ABOVE SITES ****

See Historical Sources Section of Document.

Section 3 - Federal/State Records Search

Introduction

We want to thank you for your order requesting the enclosed site assessment.

EcoSearch makes every effort possible to combine the most accurate environmental data available into an understandable and easy-to-use format.

While every attempt has been made to ensure accuracy of the information presented, we cannot guarantee the accuracy of the data from the original sources, nor can we guarantee that no transcription or plotting errors have occurred.

If any concerns arise from your review of the databases in this report, please call the appropriate agency involved. As a service, we have included phone numbers in the database description section of this report to help you in your evaluation.

The enclosed maps present a working approximation of the location of surrounding environmental sites based primarily on available accurate site addresses. These maps should not be used for purposes more correctly handled by surveys.

EcoSearch is driven by its mission to present the most responsive, technically sound, and cost-effective environmental data services available to our customer.

Read Me First

The following suggestions are offered in an attempt to help you in using and understanding this site assessment from EcoSearch:

1. Skim over the entire report to familiarize yourself with its contents and layout.
2. You will notice that the information is presented following this general concept: we begin by giving sections that summarize data and then give detailed information about those summaries as you proceed further into the report.
3. Then refer to the section titled "Statistical Overview". You will need to take a moment to read the column headings and the data below them. Also, as you go down the first column (left side) you will probably need to look back at the preceding section titled "Database Descriptions". Please pay particular attention to the radius searched as they vary according to the database. These are ASTM standards that we meet and exceed. Your site's datum is the third, shaded column. Also, the next column showing database hits within the first radius is important as it will include data about adjoining properties. The unmappable sites have their own section with a cover page explaining them.
4. The next section titled "Maps" is important as it gives a very clear visual presentation of the site, and which database(s) are at the site itself or within the study radii.
5. The site summary page(s) tells you by map ID# which database is at that location as well as the site's name and distance/direction from your study site. You will notice that the numbering corresponds to the distance from the subject site - eg. #1 is your site itself or the site closest to it, #2 is further away. This continues until all database hits have been summarized within the largest study radius. Your report may extend further than one mile if you asked us to extend the radii.
6. As you will recall our format goes from summary-type pages to detailed information. Therefore, the next section is "Detailed Data". Here extensive data is given about each database hit. The map ID#, distance, and direction are in the top left corner. Further data follows.
7. The "Unmappable" section was referred to earlier. In this summary you will find those sites. Please read the cover page as it describes unmappable sites and our efforts to minimize and/or eliminate them from all of our site assessments.
8. The last two divisions -- "Radon" and "Glossary/Acronyms" are self-explanatory and often helpful to our customers.

If you would like further help in understanding our reports please call as our intention is to have this report helpful to you.

EcoSearch Environmental Resources, Inc.

8900 Keystone Crossing Suite 1160
Indianapolis, Indiana 46240
ph: (317) 574-8830 fax: (317) 574-8840

EcoSearch Environmental Site Assessment

Type of Report: Priority Risk Report
Site Location: US 41 & Frank Yost Lane
Hopkinsville, KY 42240
Date: September 18, 1997
Report ID Number: 1139-801
Especially Prepared For: Mr. Scott Smith
Woodport
PO / Project Number: 23219.01.093

Limits of Information:

Customer proceeds at its own risk in choosing to rely on EcoSearch Environmental Resources, Inc. ("EcoSearch") services, in whole or in part, prior to proceeding with any transaction. EcoSearch cannot be an insurer of the accuracy of the information, errors occurring in the conversion of data, or for customer's use of the data. EcoSearch and its affiliated companies, officers, agents, employees, and independent contractors cannot be held liable for accuracy, storage, delivery, loss, or expense suffered by the customer resulting directly or indirectly from any information provided by EcoSearch Environmental Resources, Inc.

Thank you for choosing EcoSearch.

HAZUS

Emergency Response Notification System

US Environmental Protection Agency
Office of Solid Waste and Emergency Response
(202) 230-2342

Date Date: February 14, 1997
Release Date: February 14, 1997
Active Date: March 3, 1997

ERNS is a national database which contains information on specific notification of releases of oil and hazardous substances into the environment. The system stores data regarding the site of the spill, the material released, and the medium into which it occurred. As a joint effort, the Department of Transportation and the Environmental Protection Agency have collaborated to compile more than 280,000 records.

PAHS

PCB Activity Database System

US Environmental Protection Agency
Office of Pollution Prevention and Toxics
(202) 260-3892

Date Date: October 30, 1989
Release Date: Not Available
Active Date: August 1, 1996

This database stores information about facilities which handle PCBs and file EPA form 7710-83. It is divided into storage facilities, disposers, generators, and transporters.

TRI

Toxic Release Inventory

US Environmental Protection Agency
Office of Pollution Prevention and Toxics
(202) 260-1831

Date Date: October 1984
Release Date: Not Available
Active Date: November 18, 1994

TRI contains information from facilities which manufacture, process, or import any of the over 300 listed toxic chemicals which are released directly into air, water, or land or are transported off-site. The database includes facts on amounts of chemicals stored and emitted from the facility. This database is released on an infrequent basis by the US EPA.

SSIS

Section Seven Tracking System

US Environmental Protection Agency
Office of Prevention, Pesticides, and Toxic Substances
(202) 564-5008

Date Date: January 1995
Release Date: Not Available
Active Date: January 24, 1995

Formerly FATES, this system tracks the registration of pesticide-producing establishments and tracks the types and amounts of pesticides, active ingredients, and devices which are sold, produced, or distributed annually.

DOCKET

Civil Enforcement Docket

US Environmental Protection Agency
Office of Enforcement
(202) 564-4114

Date Date: April 22, 1996
Release Date: Not Available
Active Date: October 15, 1996

The Civil Enforcement Docket is information on actions filed by the Department of Justice for the US Environmental Protection Agency. This record has been continuously updated since 1972 and includes data regarding facility name, dates, laws violated, and penalties assessed.

TSCA

Toxic Substances Control Act Inventory

US Environmental Protection Agency
(202) 534-1404

Date Date: May 14, 1986
Release Date: Not Available

The Toxic Substances Control Act inventory includes the locations and chemical production information of more than 7000 producers and manufacturers of chemicals. This database is no longer released to the public by the US EPA.

EcoSearch
Environmental
Resources, Inc.

Request ID: 1139 801
Date of Report: September 16, 1997

Database Descriptions -- Federal Databases

NPL

National Priorities List

US Environmental Protection Agency
Office of Solid Waste and Emergency Response
(723) 803-9331

Date Date: February 21, 1997
Release Date: February 21, 1997
Active Date: March 5, 1997

The NPL is a subset of the CERCLIS and lists over 1,150 of the nation's most dangerous sites of uncontrolled or hazardous waste which require cleanup. Also known as the Superfund List, the sites are scored according to the hazardous ranking system.

CERCLA

Comprehensive Environmental Response, Compensation, and Liability Information System

US Environmental Protection Agency
Office of Solid Waste and Emergency Response
(800) 775-5037

Date Date: February 21, 1997
Release Date: February 21, 1997
Active Date: March 5, 1997

CERCLIS maintains information on over 15,000 sites nationally identified as hazardous or potentially hazardous which may require action. These sites are currently being investigated or an investigation has been completed regarding the release of hazardous substances. The most serious of this list are ranked by the hazardous ranking system and referred to the NPL. For more complete information purposes we include sites which have been reclassified as No Further Remedial Action Planned (NRFAP) by the EPA. This action was taken by the EPA beginning February 1995 as a part of the Brownfields Redevelopment Program. These former CERCLIS sites, also known as the CERCLIS Archives, have been deleted because a lack of significant contamination was found.

RCRA TSD

Resource Conservation and Recovery Information System -- Treatment, Storage, and Disposal Facilities

US Environmental Protection Agency
Office of Solid Waste and Emergency Response
(202) 260-4348

Date Date: November 26, 1996
Release Date: January 6, 1997
Active Date: February 21, 1997

RCRIS contains information on hazardous waste handlers regulated by the US Environmental Protection Agency under the Resource Conservation and Recovery Act (RCRA). It is a national system used to track events and activities which fall under RCRA. The TSD database is a subset of the complete RCRIS file which includes facilities which treat, store, dispose, or incinerate hazardous waste. Additionally, compliance and corrective action (CORRACTS) information is included.

RCRA Generator

Resource Conservation and Recovery Information System -- Large and Small Quantity Generators

US Environmental Protection Agency
Office of Solid Waste and Emergency Response
(202) 260-4347

Date Date: November 26, 1996
Release Date: January 6, 1997
Active Date: February 21, 1997

RCRIS contains information on hazardous waste handlers regulated by the US Environmental Protection Agency under the Resource Conservation and Recovery Act (RCRA). It is a national system used to track events and activities which fall under RCRA. The generators database is a subset of the complete RCRIS file which includes hazardous waste generators which create more than 100kg of hazardous waste per month or meet other requirements of RCRA. We also include RCRA Manifests, Transporters, and formerly regulated RCRA Sites for more complete hazardous waste information. Additionally, compliance and corrective action information is included.

TRATS

RCRA Administrative Action Tracking System

US Environmental Protection Agency
Office of Enforcement and Compliance Assurance
(202) 504-4104

Date Date: April 14, 1995
Release Date: Not Available
Active Date: April 17, 1995

The RCRA Administrative Action Tracking System contains additional information on RCRA enforcement actions. Data includes the type of action, proposed penalty, and final penalty assessed.

EcoSearch
Environmental
Resources, Inc.

Report ID:
Date of Report: 1129-901
September 16, 1997

Database Descriptions -- State Databases

SWF

Kentucky Solid Waste Facilities List

Kentucky Department for Environmental Protection
Solid Waste Branch
(600) 928-4273

Date Date: July 2, 1997
Release Date: July 2, 1997
Active Date: August 28, 1997

The Kentucky Solid Waste Branch Landfill list contains information on permitted landfill operations in the Commonwealth of Kentucky.

UST

Kentucky Underground Storage Tank List

Kentucky Department for Environmental Protection
Underground Storage Tank Branch
(600) 928-4273

Date Date: February 25, 1997
Release Date: Not Available
Active Date: February 26, 1997

The Kentucky Underground Storage Tank List includes information on facilities, tanks, and owners of UST sites in the Commonwealth of Kentucky.

EcoSearch
Environmental
Resources, Inc.

Report ID:
Date of Report: 1129-901
September 16, 1997

EcoSearch Statistical Overview

Location Information		Search Parameters	
US 41 & Frank Yost Lane Hopkinsville, KY 42240		Report: Priority Risk Report	
Latitude: 36.814474 N	Longitude: 97.413310 W	Radius: 1.000	ASTM*
		Zip Code(s): 42240	
		City: Hopkinsville	
		County: Christian	

FEDERAL DATABASES	Radius (miles)	Total Site		Mappable Sites		Unmappable Sites	
		Count	Area (sq. mi)	Count	Area (sq. mi)	Count	Area (sq. mi)
NPL	1.000	0	0	0	0	0	0
CERCLA	1.000	0	0	0	0	0	0
RCRA TSD	1.000	0	0	0	0	0	0
RCRA Generator	1.000	0	0	0	0	0	0
ERNS	1.000	0	0	0	0	0	0
PADS	1.000	0	0	0	0	0	0
TRI	1.000	0	0	0	0	0	0
SSTS	1.000	0	0	0	0	0	0
DOCKET	1.000	0	0	0	0	0	0
TSCA	1.000	0	0	0	0	0	0

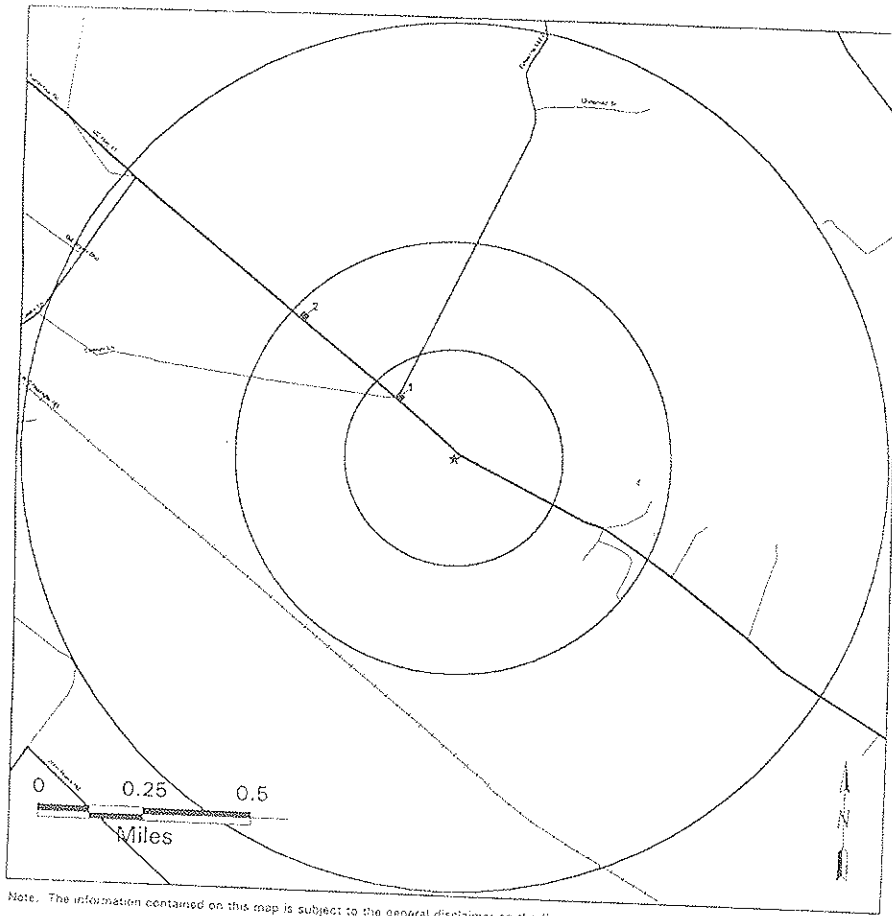
STATE DATABASES	Radius (miles)	Total Site		Mappable Sites		Unmappable Sites	
		Count	Area (sq. mi)	Count	Area (sq. mi)	Count	Area (sq. mi)
SWF	1.000	0	0	0	0	0	0
UST	1.000	2	2	2	2	0	0

* This database search and study radii meets or exceeds the ASTM (American Society of Testing and Materials) standards for a government records review. N/A denotes an ASTM-required database which is not available from the state.

Accurate street addresses are required for records to be found at the study property.

Mappable Sites are environmental sites which were located and appear on the enclosed EcoSearch Map, Site Summary, and Detailed Data sections of this report. These sites are summarized based on proximity to the study site.

Unmappable Sites are governmental records with incomplete or inaccurate address information. These sites could not be located on the street map, but have been searched by the Zip Codes, Cities, and County specified in the search parameters. Further investigation of these sites and their relationship to your study site is necessary.



Note: The information contained on this map is subject to the general disclaimer on the first page.

EcoSearch Environmental Resources, Inc. Priority Risk Report Map

Report ID: 1133-001
Site: US 41 & Frank Yost Lane
Hopkinsville, KY 42240

- ★ Study Site
- ⊛ Study Site Matches Database

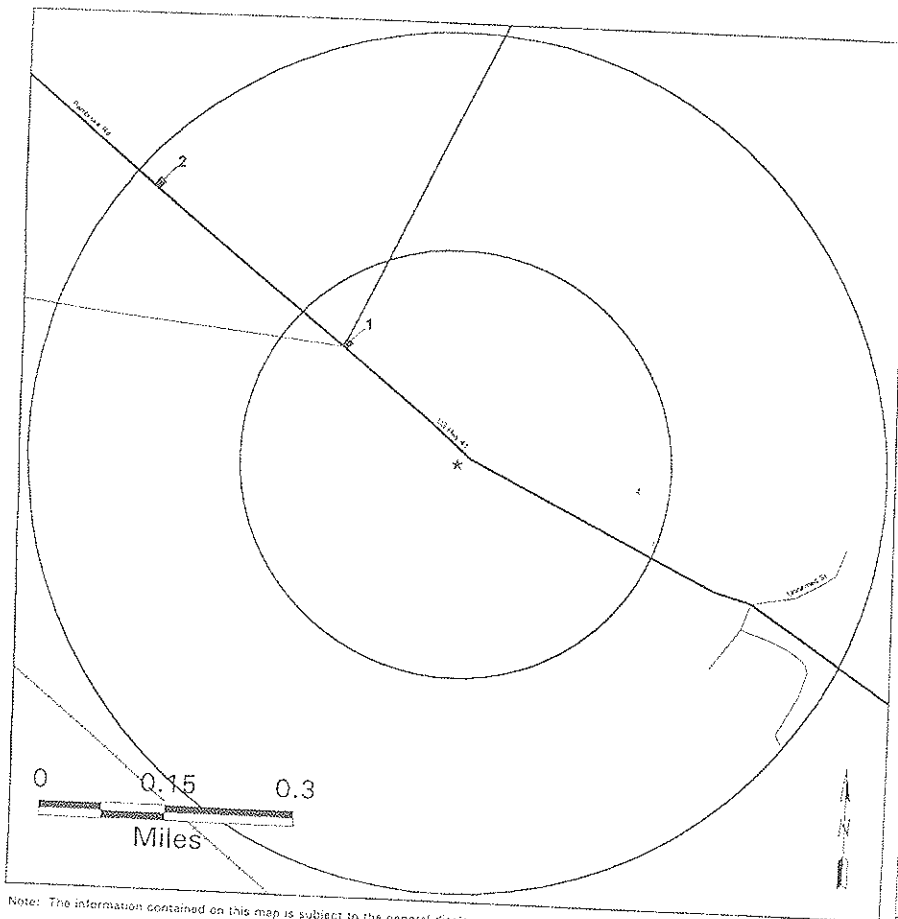
FEDERAL DATABASES	Radius (mi)
■ NPL Sites	1.00
□ CERCLA Sites	1.00
▲ RCRA TSD Sites	1.00
△ RCRA Generator Sites	1.00
▼ ERNS Sites	1.00
● PADS Sites	1.00
✦ TRI Sites	1.00
★ SSTS Sites	1.00
⊙ DOCKET Sites	1.00
▼ TSCA Sites	1.00

STATE DATABASES	Radius (mi)
◆ SWF Sites	1.00
◆ UST Sites	1.00

MULTIPLE MATCHES	Count
⊕ Two Database Matches	0
⊕ Three or More Matches	0

MAP LEGEND	
■ Parks	— Streets
□ Inlets, Areas	— Secondary Roads
□ Water	— Primary Roads
□ Cemeteries	— Freeways
	— Railroads
	— Boundaries

Radius: 1/4 mile, 1/2 mile, 1 mile



Note: The information contained on this map is subject to the general disclaimer on the first page.

EcoSearch Environmental Resources, Inc.

Priority Risk Report Map

Report ID: 1139-801
Site: US 41 & Frank Yost Lane
Hopkinsville, KY 42240

- ★ Study Site
- ⊕ Study Site Matches Database

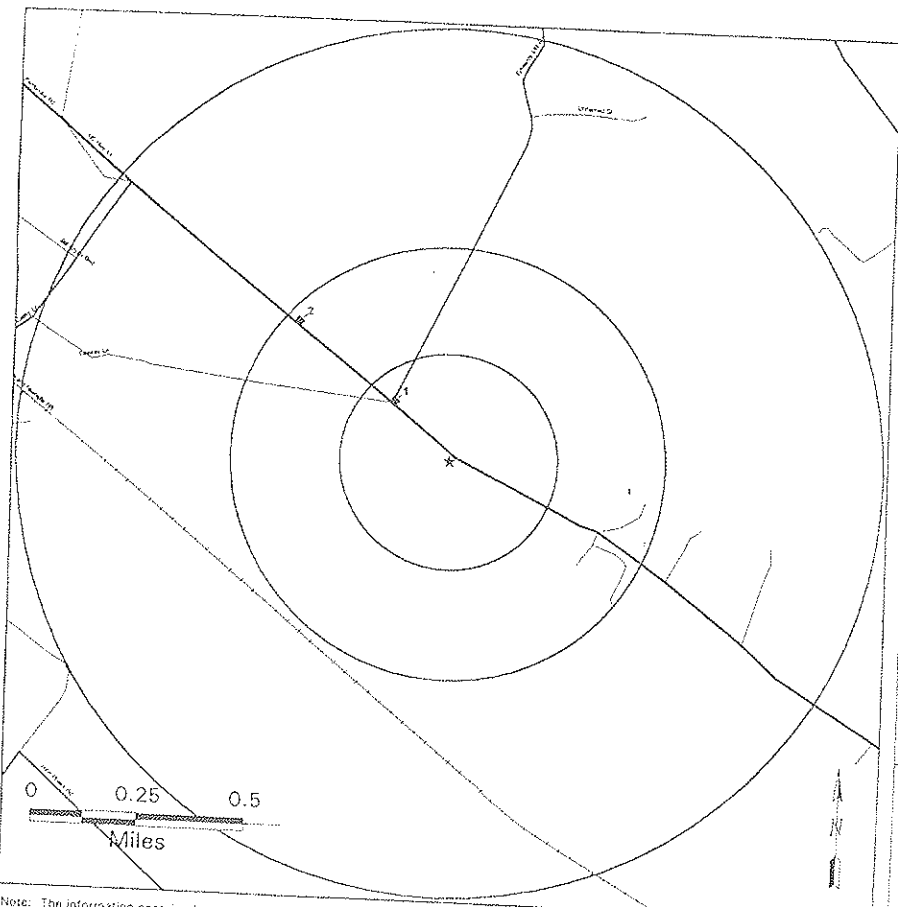
FEDERAL DATABASES		Radius (mi)
■	NPL Sites	1.00
□	CERCLA Sites	1.00
▲	RCRA TSD Sites	1.00
△	RCRA Generator Sites	1.00
▼	ERNS Sites	1.00
⊙	PADS Sites	1.00
+	TRI Sites	1.00
*	SSTS Sites	1.00
⊕	DOCKET Sites	1.00
▼	TSCA Sites	1.00

STATE DATABASES		Radius (mi)
◆	SWF Sites	1.00
◆	UST Sites	1.00

- ⊕ Two Database Matches
- ⊕ Three or More Matches

MAP LEGEND	
■	Parks
□	Incorp. Areas
□	Water
□	Cemeteries
—	Streets
—	Secondary Roads
—	Primary Roads
—	Freeways
—	Railroads
—	Boundaries

Radius: 1/4 mile, 1/2 mile, 1 mile



Note: The information contained on this map is subject to the general disclaimer on the first page.

EcoSearch Environmental Resources, Inc.

Priority Risk Report Map

Report ID: 1139-801
Site: US 41 & Frank Yost Lane
Hopkinsville, KY 42240

- ★ Study Site
- ⊕ Study Site Matches Database

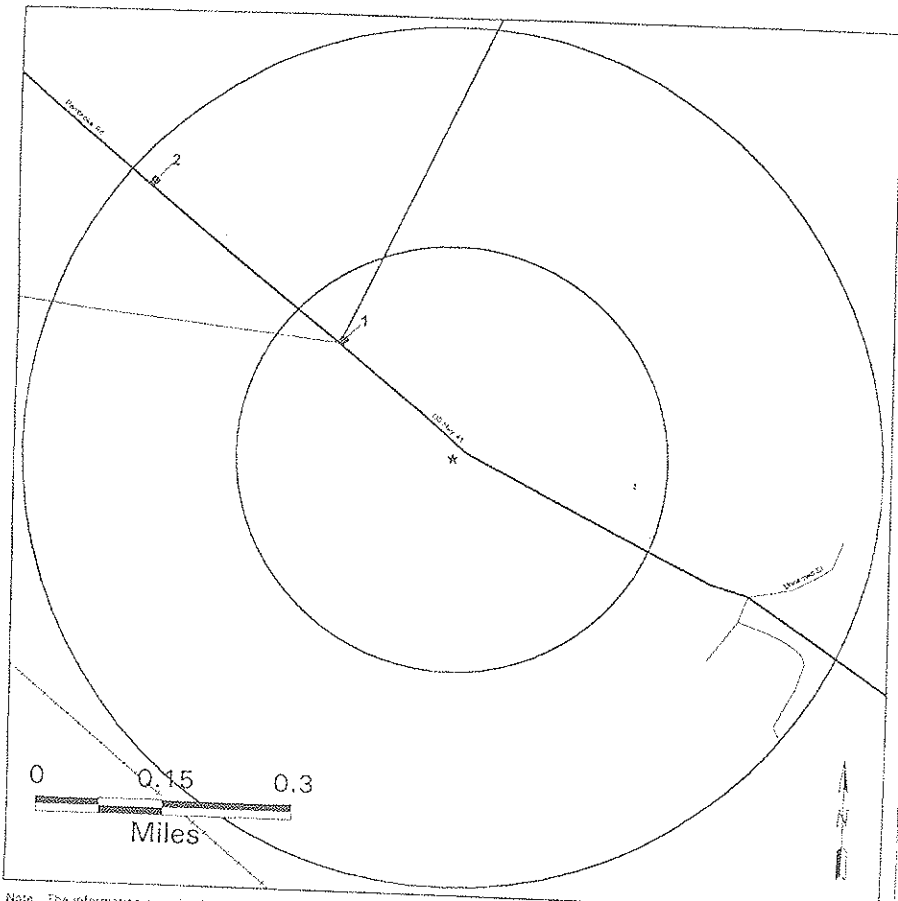
FEDERAL DATABASES		Radius (mi)
■	NPL Sites	1.00
□	CERCLA Sites	1.00
▲	RCRA TSD Sites	1.00
△	RCRA Generator Sites	1.00
▼	ERNS Sites	1.00
⊙	PADS Sites	1.00
+	TRI Sites	1.00
*	SSTS Sites	1.00
⊕	DOCKET Sites	1.00
▼	TSCA Sites	1.00

STATE DATABASES		Radius (mi)
◆	SWF Sites	1.00
◆	UST Sites	1.00

- ⊕ Two Database Matches
- ⊕ Three or More Matches

MAP LEGEND	
■	Parks
□	Incorp. Areas
□	Water
□	Cemeteries
—	Streets
—	Secondary Roads
—	Primary Roads
—	Freeways
—	Railroads
—	Boundaries

Radius: 1/4 mile, 1/2 mile, 1 mile



Note: The information contained on this map is subject to the general disclaimer on the first page.

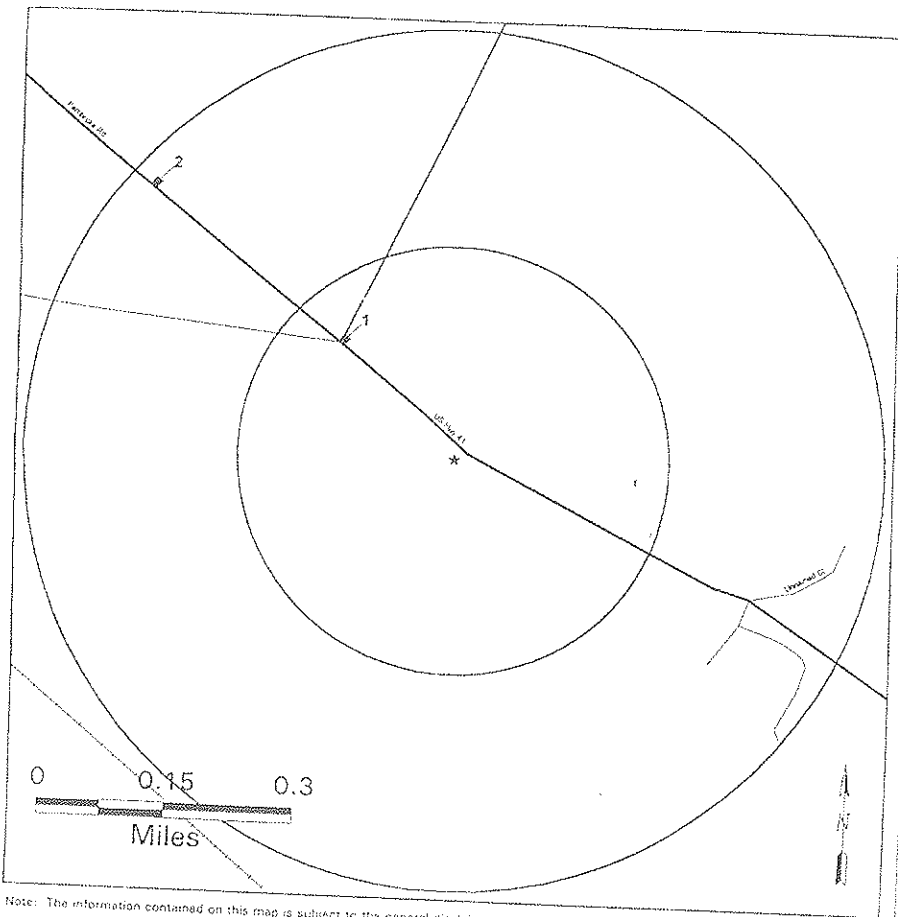
EcoSearch Environmental Resources, Inc.

Priority Risk Report Map

Report ID: 1139-801
Site: US 41 & Frank Yost Lane
Hopkinsville, KY 42240

- ★ Study Site
 - ⊛ Study Site Matches Database
- | FEDERAL DATABASES | Radius (mi) |
|------------------------|-------------|
| ■ NPL Sites | 1.00 |
| □ CERCLA Sites | 1.00 |
| ▲ RCRA TSD Sites | 1.00 |
| △ RCRA Generator Sites | 1.00 |
| ▼ ERNS Sites | 1.00 |
| ⊙ PADS Sites | 1.00 |
| ⊕ TRI Sites | 1.00 |
| ★ SSTS Sites | 1.00 |
| ⊙ DOCKET Sites | 1.00 |
| ▼ TSCA Sites | 1.00 |
- | STATE DATABASES | Radius (mi) |
|-----------------|-------------|
| ◆ SWF Sites | 1.00 |
| ◆ UST Sites | 1.00 |
- | MULTIPLE MATCHES |
|-------------------------|
| ⊛ Two Database Matches |
| ⊛ Three or More Matches |

- ### MAP LEGEND
- Parks
 - Incorp. Areas
 - Water
 - Cemeteries
 - Streets
 - Secondary Roads
 - Primary Roads
 - Freeways
 - Railroads
 - Boundaries
- Radii: 1/4 mile, 1/2 mile, 1 mile



Note: The information contained on this map is subject to the general disclaimer on the first page.

EcoSearch Environmental Resources, Inc.

Priority Risk Report Map

Report ID: 1139-801
Site: US 41 & Frank Yost Lane
Hopkinsville, KY 42240

- ★ Study Site
 - ⊛ Study Site Matches Database
- | FEDERAL DATABASES | Radius (mi) |
|------------------------|-------------|
| ■ NPL Sites | 1.00 |
| □ CERCLA Sites | 1.00 |
| ▲ RCRA TSD Sites | 1.00 |
| △ RCRA Generator Sites | 1.00 |
| ▼ ERNS Sites | 1.00 |
| ⊙ PADS Sites | 1.00 |
| ⊕ TRI Sites | 1.00 |
| ★ SSTS Sites | 1.00 |
| ⊙ DOCKET Sites | 1.00 |
| ▼ TSCA Sites | 1.00 |
- | STATE DATABASES | Radius (mi) |
|-----------------|-------------|
| ◆ SWF Sites | 1.00 |
| ◆ UST Sites | 1.00 |
- | MULTIPLE MATCHES |
|-------------------------|
| ⊛ Two Database Matches |
| ⊛ Three or More Matches |

- ### MAP LEGEND
- Parks
 - Incorp. Areas
 - Water
 - Cemeteries
 - Streets
 - Secondary Roads
 - Primary Roads
 - Freeways
 - Railroads
 - Boundaries
- Radii: 1/4 mile, 1/2 mile, 1 mile

Site Summary

Map ID#	Database / Agency ID#	Site Name, Address, and County	Distance/Direction
1	UST Kentucky Underground Storage Tank 6020024	KIRKMAN'S GROCERY HWY 41 S HOPKINSVILLE, KY 42240 CHRISTIAN	0.18762 mi NW
2	UST Kentucky Underground Storage Tank 4629024	PEMBROKE QUARRY US 41 S HOPKINSVILLE, KY 42240 CHRISTIAN	0.47179 mi NW

Detailed Data

The following pages contain the detailed data concerning the sites plotted on the map and included in the site summary.

Please Note: Pages are not included for databases not found within the search radii.

These pages are arranged as follows:

Kentucky UST Data

Kentucky UST Data

Kentucky Registered Underground Storage Tank Data

Map ID#	1	Distance (mi)	0.16782	Agency ID	6020024
Name:	MURKIN'S GROCERY	Director:	HW	Owner:	MAX ARNOLD & SONS INC
Address:	HOPKINSVILLE, KY 42240	City, State, Zip:	HOPKINSVILLE, KY 42240	Owner Address:	PO BOX 688 118 S CLAY ST
Classification:	Not Reported	City, State, Zip:	HOPKINSVILLE, KY 42240	Phone:	502-885-9488
Capacity:	000000960	Installation Date:	01-JAN-1980	Removal Date:	Not Reported
Removal Date:	Not Reported	Insuff Date:	01-JAN-1980	Not Reported	Not Reported
Agency ID:	1628024	Agency ID:	1628024	Agency ID:	1628024
Name:	PEMBROKE QUARRY	Owner:	ROGERS GROUP INC	Owner:	ROGERS GROUP INC
Address:	HOPKINSVILLE, KY 42240	City, State, Zip:	HOPKINSVILLE, KY 42240	City, State, Zip:	HOPKINSVILLE, KY 42240
Classification:	Not Reported	Phone:	615-730-5730	Phone:	615-730-5730
Capacity:	0000010000	Substance:	Gasoline	Substance:	Gasoline
Removal Date:	Not Reported	Installation Date:	01-JAN-1975	Installation Date:	01-JAN-1975
Agency ID:	1628024	Agency ID:	1628024	Agency ID:	1628024
Name:	ROGERS GROUP INC	Owner:	ROGERS GROUP INC	Owner:	ROGERS GROUP INC
Address:	HOPKINSVILLE, KY 42240	City, State, Zip:	HOPKINSVILLE, KY 42240	City, State, Zip:	HOPKINSVILLE, KY 42240
Classification:	Not Reported	Phone:	615-730-5730	Phone:	615-730-5730
Capacity:	0000010000	Substance:	Gasoline	Substance:	Gasoline
Removal Date:	Not Reported	Installation Date:	01-JAN-1975	Installation Date:	01-JAN-1975
Agency ID:	1628024	Agency ID:	1628024	Agency ID:	1628024
Name:	ROGERS GROUP INC	Owner:	ROGERS GROUP INC	Owner:	ROGERS GROUP INC
Address:	HOPKINSVILLE, KY 42240	City, State, Zip:	HOPKINSVILLE, KY 42240	City, State, Zip:	HOPKINSVILLE, KY 42240
Classification:	Not Reported	Phone:	615-730-5730	Phone:	615-730-5730
Capacity:	0000010000	Substance:	Gasoline	Substance:	Gasoline
Removal Date:	Not Reported	Installation Date:	01-JAN-1975	Installation Date:	01-JAN-1975
Agency ID:	1628024	Agency ID:	1628024	Agency ID:	1628024

Unmappable Sites

A limitation of many records of governmental databases is incomplete or incorrect address information. Without proper addresses, it is more difficult to locate and map these sites.

Instead of leaving these potentially important sites out of the EcoSearch report, we implement a painstaking manual geocoding strategy aimed at plotting these un-mappable sites by looking at zip codes, city names, and county names identified with the radius around your study site. The zip codes, cities, and counties searched are identified on the EcoSearch Statistical Overview page.

Our sophisticated mapping software, enhanced TIGER street maps, and address correction database processing methods find and plot most environmental sites. We then perform manual geocoding, plotting those sites the computer fails to find using a variety of resources. These include using our in-house collection of paper maps, directories, cross-referencing database information, and calling post offices, local government, or the sites themselves to accurately locate environmental records. We also correct obvious TIGER street map errors and omissions.

This effort at manual geocoding results in a short or non-existent orphan/unmappable list and increases accuracy and reliability of the data in our reports. We have elected not to computerize this part of our report due to the importance of presenting all data as completely and accurately as humanly possible. When this function is computerized it is impossible to produce a report as accurate as one where manual geocoding has taken place.

The limited number of sites which could not be reasonably found through our geocoding strategy are presented in this section for further review to assess their impact on your study site.

To serve our clients, we offer the free service of researching any unmappable site that you feel you would like more information about. To do this, give us a call with the database and agency ID number (found in the first and second columns of the unmappable section). We will then phone, send, or fax you the detailed data for that site.

EcoSearch
Environmental
Resources, Inc.

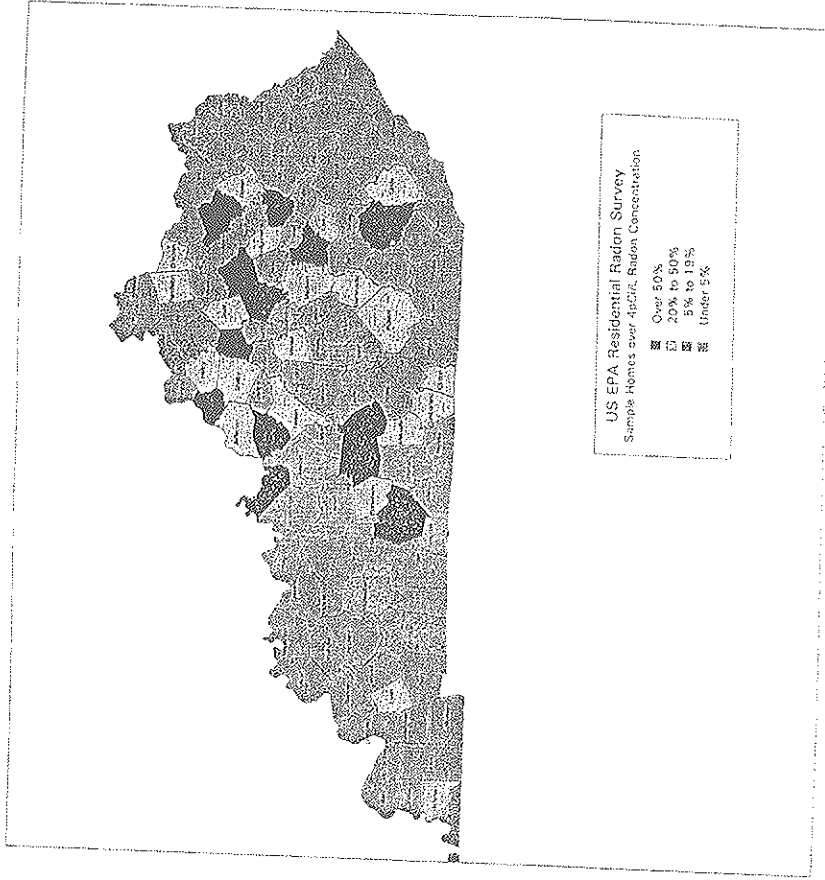
Report ID: 1139-801
Date of Report: September 16, 1997

Let your ERM Specialist handle the data for your business. In the EcoSearch System, you can have your data processed by the EcoSearch System, or you can have your data processed by the EcoSearch System. For more information, contact your EcoSearch Specialist.

Unmappable Sites

Database	Agency ID#	Site Name and Address	County
UST Kentucky Underground Storage Tank	8485024	NORA MATHEWS RR 1 HOPKINSVILLE, KY 42240-9801	CHRISTIAN
UST Kentucky Underground Storage Tank	8757024	DONUT MARKET E 9TH ST HOPKINSVILLE, KY 42240	CHRISTIAN
SWF Kentucky Solid Waste Facility	024-000213	DWIGHT & LINDA SCOTT PO BOX 11 HOPKINSVILLE, KY 42241-0011	CHRISTIAN

EcoSearch Radon Risk Map for Kentucky



US EPA Residential Radon Survey
 Sample Homes over 4pCi/L Radon Concentration

- Over 50%
- 20% to 50%
- 5% to 19%
- Under 5%

SOURCE EPA Map for Radon Zones (Kentucky), September, 1993. This data is based on the State/EPA Residential Radon Survey which was conducted in Kentucky between 1986 and 1987. This map shows the percentage of homes in each county registering over 4 pCi/L (picocuries per liter) radon concentration. For additional information on this survey, contact the next page.

NOTE: The information provided on this map is subject to the disclaimer on the first page. This map is NOT intended to determine if a property in a given county should be tested for radon. Properties with elevated levels of radon have not been found in all counties or when radon is a concern. All properties should be tested regardless of the county designation.

Acronyms and Abbreviations

ecry units Certain metallic elements having a high density and generally toxic, e.g., lead, silver, mercury, and arsenic.	Second Responders Those personnel required to assist or relieve first responders at a hazardous material incident due to their specialized knowledge, equipment, or experience. These include State environmental protection or health officials, commercial response, cleanup companies, and appropriate industry representatives.	-AIRS -AST -ASTM	Aerometric Information Retrieval System Aboveground Storage Tank American Society for Testing and Materials
Immediate Removal Actions undertaken to prevent or mitigate immediate and short-term risk of harm to human life or health or the environment. As set forth in the National Contingency Plan, these actions shall be terminated after \$1 million has been obligated or six months have elapsed from the date of initial response.	Planned Removal The removal of released hazardous substances from the environment within a non-immediate, long term time period. Under CERCLA, Actions intended to minimize increases in exposure such that time and cost commitments are limited to six months and/or \$1 million.	-BLM -BNA -CAA -CDC -CERCLA	Bureau of Land Management Bureau of National Affairs Clean Air Act Centers for Disease Control Comprehensive Environmental Response, Compensation, and Liability Act of 1980
Incident The release or potential release of a hazardous substance into the environment.	Poison, Class A A DOT term for extremely toxic substances that is, poisonous gases or liquids of such nature that a very small amount of the gas, or vapor of the liquid, mixed with air is dangerous to life. Some examples: phosgene, cyanogen, and hydrocyanic acid.	-CERCLIS -CICIS -COE -CWA	CERCLA Information System Chemicals in Commerce Information System U.S. Army Corps of Engineers Clean Water Act
Interim Status Allows owners and operators of TSDs that were in existence, or for which construction had commenced, prior to November 19, 1980 to continue to operate without a permit after this date pending final issuance from RCRA.	Poison, Class B A DOT term for liquid, solid, paste, or semisolid substances, other than Class A poisons, which are known to be toxic to man as to afford a hazard to health during transportation.	-DDT -DOC -DOCKET	Dichloro-diphenyl-dichloroethane Department of Commerce Enforcement Docket System--Office of Enforcement and Compliance Monitoring
Joint and Several Liability Under federal law each party that contributed to damages may be held liable for all damages, but each has the right to compel the others to contribute and indemnify.	Pollutant A substance or mixture which when released into the environment and upon exposure to any organisms will or may reasonably be anticipated to cause adverse effects to such organisms and their offspring.	-DOE -DOT	Department of Energy Department of Transportation
Liability Being subject to legal action by one's neighbor.	Priority Pollutants A list of chemicals selected from the list of toxic pollutants by the EPA as priority toxic pollutants for regulation under the Clean Water Act.	-EPA -ERCS -ERNS -ESA	Environmental Protection Agency Emergency Response Cleanup Services Emergency Response Notification System Environmental Site Assessment
Manifest Form which indicates generator, quantity, and type of waste for each shipment of hazardous wastes displayed in off-site facilities.	Remedial Actions Addresses to releases of hazardous substances on the NPL that are consistent with a permanent remedy which would prevent or mitigate the migration of materials into the environment.	-FIFRA -FINDS -FOIA -FWPCA	Federal Insecticide, Fungicides, and Rodenticide Act Facility Index System Freedom of Information Act Federal Water Pollution Control Act
National Contingency Plan Policies and procedures that the Federal Government follows in implementing responses to incidents involving hazardous substances.	Risk The probability that an unwanted event will occur.	-HHS -HSWA -HUD	Department of Health and Human Services Hazardous and Solid Waste Amendments of 1984 Department of Housing and Urban Development
Wastes Federal waste list comprises of substances \$1 reported as acutely hazardous.		-LUST -MSDS -NEPA -NESHAP -NFRAP -NOI -NOV -NPL -NFL -NRC -NRIS -OSHA	Leaking Underground Storage Tank Material Safety Data Sheet National Environment Policy Act National Emission Standards for Hazardous Air Pollutants No Further Remedial Action Planned (Delisted CERCLA Site) Notice of Intent Notice of Violation National Pollution Discharge Elimination System National Priorities List Nuclear Regulatory Commission Nuclear Regulatory Information System Occupational Safety and Health Administration

EcoSearch
Environmental
Resources, Inc.

Report ID: H39-801
Date of Report: September 16, 1997

Report ID: H39-801
Date of Report: September 16, 1997

Approved/Executed: Pamela G. Gresham, C. Gresham, 1997. Real Estate Environmental Services, Inc. All Rights Reserved. Not Applicable. E-1003

Acronyms and Abbreviations

-AIRS	Aerometric Information Retrieval System
-AST	Aboveground Storage Tank
-ASTM	American Society for Testing and Materials
-BLM	Bureau of Land Management
-BNA	Bureau of National Affairs
-CAA	Clean Air Act
-CDC	Centers for Disease Control
-CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act of 1980
-CERCLIS	CERCLA Information System
-CICIS	Chemicals in Commerce Information System
-COE	U.S. Army Corps of Engineers
-CWA	Clean Water Act
-DDT	Dichloro-diphenyl-dichloroethane
-DOC	Department of Commerce
-DOCKET	Enforcement Docket System--Office of Enforcement and Compliance Monitoring
-DOE	Department of Energy
-DOT	Department of Transportation
-EPA	Environmental Protection Agency
-ERCS	Emergency Response Cleanup Services
-ERNS	Emergency Response Notification System
-ESA	Environmental Site Assessment
-FIFRA	Federal Insecticide, Fungicide, and Rodenticide Act
-FINDS	Facility Index System
-FOIA	Freedom of Information Act
-FWPCA	Federal Water Pollution Control Act
-HHS	Department of Health and Human Services
-HSWA	Hazardous and Solid Waste Amendments of 1984
-HUD	Department of Housing and Urban Development
-LUST	Leaking Underground Storage Tank
-MSDS	Material Safety Data Sheet
-NEPA	National Environment Policy Act
-NESHAP	National Emission Standards for Hazardous Air Pollutants
-NFRAP	No Further Remedial Action Planned (Delisted CERCLA Site)
-NOI	Notice of Intent
-NOV	Notice of Violation
-RFDES	National Pollution Discharge Elimination System
-NPL	National Priorities List
-NRC	Nuclear Regulatory Commission
-NRS	Nuclear Regulatory Information System
-OSHA	Occupational Safety and Health Administration

Report ID: 1139-801
Date of Report: September 16, 1997

EcoSearch
Environmental
Resources, Inc.

Part A The first part of a two part application that must be submitted by a TSD to receive a permit. It contains general facility information.	Second Responders Those personnel required to assist or relieve first responders at a hazardous material incident due to their specialized knowledge, equipment, or experience. These include State environmental protection or health officials, commercial response, cleanup companies, and appropriate industry representatives.
Part B The second part of a two part application that must be submitted by a TSD to receive a permit. It contains highly technical and detailed information.	Strict Liability Holds a party responsible for damages irrespective of the amount of care taken in handling a hazardous substance.
Planned Removal The removal of released hazardous substances from the environment within a non-immediate, long term time period. Under CERCLA, Actions intended to minimize increases in exposure such that time and cost commitments are limited to six months and/or \$1 million.	Subtitle C The part of RCRA which pertains to the management of hazardous waste.
Poison, Class A A DOT term for extremely toxic poisons, that is, poisonous gases or liquids of such nature that a very small amount of the gas, or vapor of the liquid, mixed with air is dangerous to life. Some examples: phosgene, cyanogen, and hydrocyanic acid.	Subtitle I The part of RCRA which pertains to the storage of petroleum products and petroleum substances, other than waste, in USTs.
Poison, Class B A DOT term for liquid, solid, paste, or semisolid substances, other than Class A poisons, which are known to be toxic to man as to afford a hazard to health during transportation.	Superfund See CERCLA.
Pollutant A substance or mixture which when released into the environment, and upon exposure to any organisms will or may reasonably be anticipated to cause adverse effects in such organisms and their offspring.	Synergistic The action of two materials together which is greater in effect than the sum of the individual actions.
Priority Pollutants A list of chemicals selected from the list of basic pollutants by the EPA as priority toxic pollutants for regulation under the Clean Water Act.	TIGER Files The US Census Bureau's TIGER files provide a nationwide computerized map with address range information.
Remedial Actions Responses to releases of hazardous substances on the NPL that are consistent with a permanent remedy which would prevent or mitigate the migration of materials into the environment.	Tort A legal wrong, sometimes referred to as negligence.
Risk The probability that an unwanted event will occur.	Toxicity The ability of a substance to produce injury by one mechanical means once it reaches a susceptible site in or on the body.
UWastes A federal list of hazardous wastes which consists of substances deemed to be hazardous for hazards other than acute hazards.	U Wastes A federal list of hazardous wastes which consists of substances deemed to be hazardous for hazards other than acute hazards.
Manifest Form which indicates generator, quantity, and type of waste for each shipment of hazardous wastes disposed in off-site facilities.	U Wastes A federal list of hazardous wastes which consists of substances deemed to be hazardous for hazards other than acute hazards.
Annual Contingency Plan Actions and procedures that the Federal Government follows in implementing responses to incidents involving hazardous substances.	U Wastes A federal list of hazardous wastes which consists of substances deemed to be hazardous for hazards other than acute hazards.
P Wastes Federal waste list composed of substances approved as acute hazardous.	U Wastes A federal list of hazardous wastes which consists of substances deemed to be hazardous for hazards other than acute hazards.

Report ID: 1139-801
Date of Report: September 16, 1997

EcoSearch
Environmental
Resources, Inc.

Acronyms and Abbreviations

-PADS	PCB Activity Database System
-PCB	Polychlorinated Biphenyls
-POTW	Publicly-Owned Treatment Works
-PPM	Parts Per Million
-PRP	Potentially Responsible Parties
-RAATS	RCRA Administrative Action Tracking System
-RCRA	Resource Conservation and Recovery Act of 1976
-RCRIS	Resource Conservation and Recovery Information System
-RFA	RCRA Facility Assessment
-RFI	RCRA Facility Investigation
-RI	Remedial Investigation (CERCLA)
-SARA	Superfund Amendments and Reauthorization Act of 1986
-SCS	Soil Conservation Service
-SDWA	Safe Drinking Water Act
-SETS	Superfund Enforcement Tracking System
-SSTS	Section Seven Tracking System
-SWF/LF	Solid Waste Facilities / Landfills
-TIGER	Topologically Integrated Geographic Encoding and Referencing System
-TRI	Toxic Release Inventory
-TSCA	Toxic Substances Control Act
-TSD	Treatment, Storage, or Disposal Facility
-USDA	U.S. Department of Agriculture
-USGS	U.S. Geological Survey
-UST	Underground Storage Tank
-WWTP	Wastewater Treatment Plant

Section 4 -- Correspondence with State, County, and Local Officials



FILE COPY

JAMES E. BICKFORD
Secretary

PAUL E. PATTON
Governor



COMMONWEALTH OF KENTUCKY
NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
FRANKFORD OFFICE PARK
14 REILLY RD
FRANKFORD KY 40361

January 22, 1998

January 28, 1998

Kenny Brown
Kentucky Division of Waste Management
UST Branch
14 Reilly Road
Frankford, Kentucky 40601

RE: Commerce Park, Hopkinsville, Kentucky
Woolpert Project #22511.01.096

MR. STEPHEN L. OSBORNE
PROJECT SCIENTIST
WOOLPERT LLP
11931 BRINLEY AVE.
LOUISVILLE KY 40243-3002

FFR - 2

Dear Mr. Brown:

The purpose of this letter is to request to be notified if there are any files at the UST Branch associated with properties located from 6900 to 7900 U.S. Highway 41, Hopkinsville, Christian County, Kentucky. Also please include in the search the recently developed Frank Yest Lane within Commerce Park in Hopkinsville. Please contact the person listed below with any information:

Steve Osborne
Woolpert LLP
11931 Brinley Avenue
Louisville, KY 40243-3002

Phone: (502) 244-0888
Fax: (502) 244-4540
e-mail: steve.osborne@woolpert.com

Please do not hesitate to contact me if you have any questions or comments concerning this request. A facsimile or telephone reply as soon as possible would be appreciated. Thank you in advance for your assistance.

Sincerely,

WOOLPERT LLP

Stephen L. Osborne
Project Scientist

SLO/mb

RE: OPEN RECORDS REQUEST

The Division of Waste Management, Underground Storage Tank Branch has conducted a file search as a result of your request for information.

After conducting a file search, please be advised that there are no existing records found based on the information you provided this office.

If you have any questions or need additional information, feel free to contact me at (800) 928-4273 or (502) 564-6715 ext. 625.

Sincerely,

Doana Swanson, Program Coordinator
Compliance Branch
Underground Tank Branch



JUN 28 '98 01:27PM

P.1

FILE COPY



January 22, 1998

Bill Bowen
Supervisor, Madisonville Area Field Office
Kentucky Division of Waste Management
Madisonville State Office Building
625 Hospital Drive
Madisonville, Kentucky 42431

RE: Commerce Park, Hopkinsville, Kentucky
Woolpert Project #22511.01.096

Dear Mr. Bowen:

Woolpert LLP has been contracted to perform an Environmental Site Assessment of property located adjacent to and within Commerce Park on U.S. Highway 41 in Hopkinsville, Kentucky. The site is located from about 6000 to 7900 U.S. Highway 41, between U.S. 41 and the CSX rail line as shown on the attached figure. This includes the recently developed Frank Yost Lane within Commerce Park.

The purpose of this letter is to request any information your office may have regarding illegal dumping; leaking above or underground storage tanks; unauthorized releases of hazardous or infectious materials by dumping, spills or accidents; and any other incidents that may have occurred on or adjacent to land within Commerce Park.

Please do not hesitate to contact me at 502.244.4130 if you have any questions or comments concerning this request. A facsimile or telephone reply as soon as possible would be appreciated. Thank you in advance for your assistance.

Sincerely,

WOOLPERT LLP

Stephen L. Osborne

Stephen L. Osborne
Project Scientist

SLO/mjh

Attachment

WOOLPERT LLP
The Woolpert Building • 1101 Bankby Avenue • Louisville, Kentucky 40211-4002
902.411.0000 • 402.244.4130 • Fax • www.woolpert.com

DIVISION OF WASTE MANAGEMENT

625 HOSPITAL DRIVE
MADISONVILLE, KENTUCKY 42431
FAX NUMBER: (502)824-7070

FAX TRANSMITTAL

TO: STEPHEN L. OSBORNE

FAX#: 502 245 7540

FROM: SCOTT C WAGNER

DATE: 1/28/98

NUMBER OF PAGES (INCLUDING COVER PAGE): 3

IF YOU DID NOT RECEIVE ALL OF THE ABOVE PAGES, OR HAVE QUESTIONS CONCERNING THIS TRANSMITTAL, PLEASE CALL (502)824-7532.

THIS MESSAGE IS INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY TO WHICH IT IS ADDRESSED, AND MAY CONTAIN INFORMATION THAT IS PRIVILEGED, CONFIDENTIAL AND EXEMPT FROM DISCLOSURE UNDER APPLICABLE LAW. IF THE READER OF THIS MESSAGE IS NOT THE INTENDED RECIPIENT, OR THE EMPLOYEE OF AGENT RESPONSIBLE FOR DELIVERING THIS MESSAGE TO THE INTENDED RECIPIENT, YOU ARE HEREBY NOTIFIED THAT ANY DISSEMINATION, DISTRIBUTION OR COPYING OF THIS COMMUNICATION IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS COMMUNICATION IN ERROR, PLEASE NOTIFY US BY TELEPHONE.

THANK YOU.

No known waste management issues at this property. See

JAN 23 '99 01:26PM

P.2



RECEIVED

JAN 26 8 12 AM '99

January 22, 1998

January 22, 1998

Kenny Brown
Kentucky Division of Waste Management
UST Branch
14 Reilly Road
Frankfort, Kentucky 40601

Bill Bowen
Supervisor, Madisonville Area Field Office
Kentucky Division of Waste Management
Madisonville State Office Building
625 Hospital Drive
Madisonville, Kentucky 42431

RE: Commerce Park, Hopkinsville, Kentucky
Woolpert Project #22511.01.096

RE: Commerce Park, Hopkinsville, Kentucky
Woolpert Project #22511.01.096

Dear Mr. Brown:

Dear Mr. Bowen:

The purpose of this letter is to request to be notified if there are any files at the UST Branch associated with properties located from 6000 to 7900 U.S. Highway 41, Hopkinsville, Christian County, Kentucky. Also please include in the search the recently developed Frank Yost Lane within Commerce Park in Hopkinsville. Please contact the person listed below with any information:

Steve Osborne
Woolpert LLP
11931 Brimley Avenue
Louisville, KY 40243-3002

Phone: (502) 244-0888
Fax: (502) 244-4540
e-mail: steve.osborne@woolpert.com

Please do not hesitate to contact me if you have any questions or comments concerning this request. A facsimile or telephone reply as soon as possible would be appreciated. Thank you in advance for your assistance.

Sincerely,

Woolpert LLP

Stephen L. Osborne
Project Scientist

SLO/nlh

Woolpert LLP
The Woolpert Building • 11931 Brimley Avenue • Louisville, Kentucky 40243-3002
502.244.0888 • Fax: 502.244.4540 • www.woolpert.com

Woolpert LLP
The Woolpert Building • 11931 Brimley Avenue • Louisville, Kentucky 40243-3002
502.244.0888 • Fax: 502.244.4540 • www.woolpert.com

RECEIVED

JAN 26 8 56 AM '99

RECEIVED

Woolpert LLP has been contracted to perform an Environmental Site Assessment of property located adjacent to and within Commerce Park on U.S. Highway 41 in Hopkinsville, Kentucky. The site is located from about 6000 to 7900 U.S. Highway 41, between U.S. 41 and the CSX rail line as shown on the attached figures. This includes the recently developed Frank Yost Lane within Commerce Park. The purpose of this letter is to request any information your office may have regarding illegal dumping, leaking above or underground storage tanks, unauthorized releases of hazardous or infectious materials by dumping, spills or accidents, and any other incidents that may have occurred on or adjacent to land within Commerce Park.

Please do not hesitate to contact me at 502.244.4130 if you have any questions or comments concerning this request. A facsimile or telephone reply as soon as possible would be appreciated. Thank you in advance for your assistance.

Sincerely,

Woolpert LLP

Stephen L. Osborne
Project Scientist

SLO/nlh

Attachment



11/17/99

January 22, 1998

Mary Hawkins
Kentucky Department for Environmental Protection
Division of Air Quality
803 Schenkel Lane
Frankfort, Kentucky 40601

RE: Commerce Park, Hopkinsville, Kentucky
Woolpert Project #22511-01

Dear Ms. Hawkins:

Woolpert LLP has been contracted to perform an Environmental Site Assessment of property located adjacent to and within Commerce Park on U.S. Highway 41 in Hopkinsville, Christian County, Kentucky. The site is located from about 6000 to 7900 U.S. Highway 41, between U.S. 41 and the CSX rail line as shown on the attached figure. This includes the recently developed Frank Yost Lane within Commerce Park.

The purpose of this letter is to request any information your office may have regarding permits, files, or other documents associated with the aforementioned properties. Please contact the person listed below with any information:

Steve Osborne
Woolpert LLP
11931 Brinley Avenue
Louisville, KY 40243-3002
Phone: (502) 244-0888
Fax: (502) 244-4540
e-mail: steve.osborne@woolpert.com

Please do not hesitate to contact me if you have any questions or comments concerning this request. A facsimile or telephone reply as soon as possible would be appreciated. Thank you in advance for your assistance.

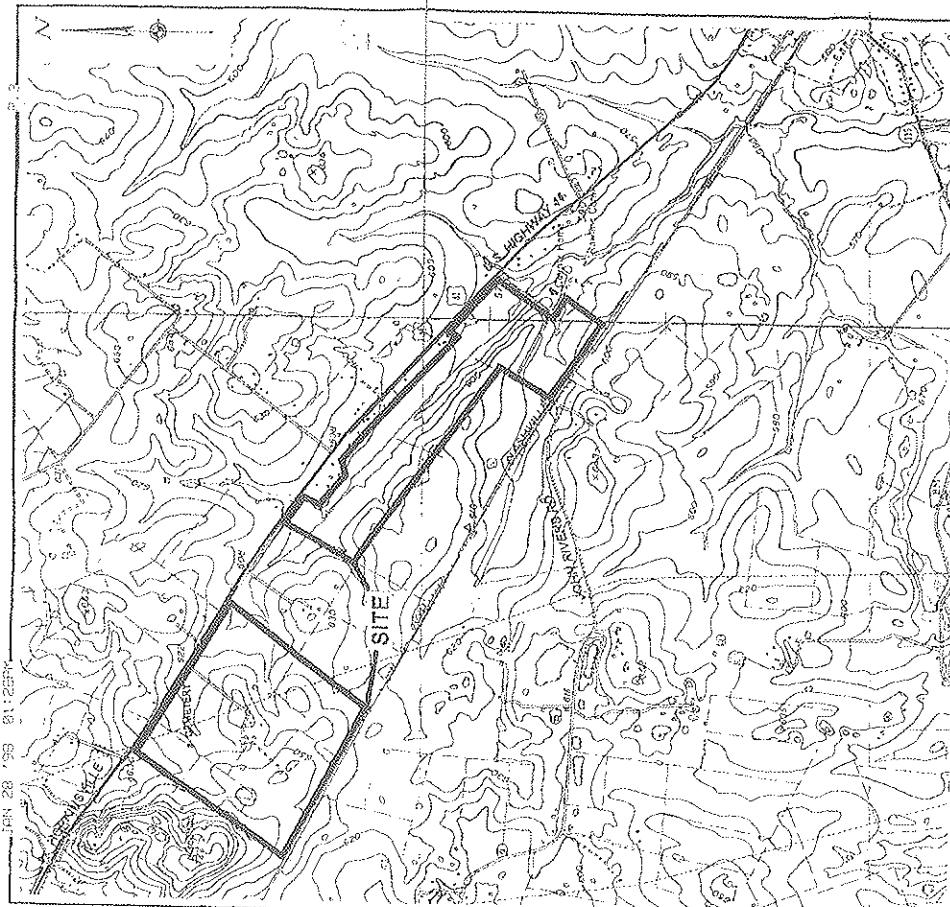
Sincerely,

WOOLPERT LLP

Stephen L. Osborne
Environmental Scientist

SLO/c

Attachment The Woolpert Building • 11931 Brinley Avenue • Louisville, Kentucky 40243-3002
WOOLPERT LLP
11931 Brinley Avenue • Louisville, Kentucky 40243-3002 • Fax: (502) 244-4540 • www.woolpert.com



2000 4000
APPROXIMATE SCALE IN FEET

WOOLPERT LLP
The Woolpert Building
11931 Brinley Avenue
Louisville, Kentucky 40243
502.244.0888
WOOLPERT FAX: 502.245.4540

SOURCE: U.S.G.S. BUREAU OF LAND SURVEY (TOPOGRAPHIC)
HOPKINSVILLE AND PADUCAH KY. QUADRANGLES
Reviewed By: SL Checked By: _____ Date: JANUARY, 1998

Figure 1

VICINITY AND TOPOGRAPHY MAP

COMMERCER PARK
HOPKINSVILLE, KENTUCKY

PROJECT NO.
22511-01



FILE COPY

WOOLPERT LLP
11931 Brinley Avenue
Louisville, Kentucky 40243-3002
502.244.0888
Fax 502.245.4540

January 22, 1998

Anita Estes
Kentucky Department for Environmental Protection
Division of Water
14 Kelly Road
Frankfort, Kentucky 40601

RE: Commerce Park, Hopkinsville, Kentucky
Woolpert Project #22511-01

Dear Ms. Estes:

Woolpert LLP has been contracted to perform an Environmental Site Assessment of property located adjacent to and within Commerce Park on U.S. Highway 41 in Hopkinsville, Christian County, Kentucky. The site is located from about 5900 to 7900 U.S. Highway 41, between U.S. 41 and the CSX rail line as shown on the attached figure. This includes the recently developed Frank Yost Lane within Commerce Park.

The purpose of this letter is to request any information your office may have regarding permits, files, or other documents associated with the aforementioned properties. Please contact the person listed below with any information:

Steve Osborne
Woolpert LLP
11931 Brinley Avenue
Louisville, KY 40243-3002
Phone: (502) 244-0888
Fax: (502) 244-4540
e-mail: steve.osborne@woolpert.com

Please do not hesitate to contact me if you have any questions or comments concerning this request. A facsimile or telephone reply as soon as possible would be appreciated. Thank you in advance for your assistance.

Sincerely,

WOOLPERT LLP

Stephen L. Osborne
Environmental Scientist

SLO/alk

Attachment:

Re: Woolpert Building • 11931 Brinley Avenue • Louisville, Kentucky 40243-3002
© 1998 Woolpert LLP • 11931 Brinley Avenue • Louisville, Kentucky 40243-3002

Date: Wednesday, February 11, 1998
Attention: Anita Estes
Company: KY Div. of Water
Fax Number: 502.564.5105
Job Number: 22511.01.096
Message From: Steve Osborne
Department: Env. Science
Total Pages Sent: 2
(Including header sheet)

Notes: Copy of request originally mailed January 22, 1998.

If you do not receive the number of pages noted above, please call Woolpert at 502.244.0888

Woolpert
Telephone
Communications

File No.: 22571201 096

Date: 01/07/96

Woolpert - Louisville Branch Office
12700 Shelbyville Road, The Barkley Building Suite 100, Louisville, KY 40243
(502) 244-4130 - FAX (502) 244-4134

Project: Commonwealth Park #1
Location: Highway 41
Phone Conversation With: Mike Adams
Phone Number: 502-887-4600
Name of Company or Firm: Champion Co. H-216 Dept
Regarding: Mobile Dept Records

Instructions or Remarks:

Verbally requested info on vehicles, complaints, all any other records/files that Mobile Dept may have regarding responses wanted on 1/7 along with 41 and the Common Park area - Above
Found.

Signed by: S. Adams

Steve Adams

Copies to: Report

Continued on page _____

Woolpert
Telephone
Communications

File No.: 22571201 096

Date: 01/07/96

Woolpert - Louisville Branch Office
12700 Shelbyville Road, The Barkley Building Suite 100, Louisville, KY 40243
(502) 244-4130 - FAX (502) 244-4134

Project: Commonwealth Park #1
Location: Highway 41
Phone Conversation With: HTD Dept Dept Chief Henry Olson
Phone Number: 502-887-4655
Name of Company or Firm: HTD
Regarding: INCIDENTS LEADS TO Common Park Area

Instructions or Remarks:

Verbally requested info on any incidents in the Common Park area that HTD may have been notified of or reported to. -
No records of any calls about HTD was reported to area.

Signed by: S. Adams

Steve Adams

Copies to: Report

Continued on page _____



FAX TRANSMITTAL
From the
COMMONWEALTH OF KENTUCKY

DEPARTMENT FOR ENVIRONMENTAL PROTECTION
Division of Water/KPDES Branch
14 Reilly Road, Frankfort, KY 40601
(502) 564-3410 (Voice), (502) 564-5105 (Fax)

Number of Pages Transmitted,
Including This Cover Sheet:

TO: Stephen Colborne FROM: Anita Estes

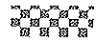
COMPANY: _____ OFFICE: KPDES BRANCH

FAX PHONE: 502-249-4570 DATE: 1/30/98

VOICE PHONE: _____

MESSAGE: No KPDES Permits
No General Stormwater Permits
Christian County
C.S.K. rail line
Frankfort Lane
Commerce Park

If transmittal is incomplete or illegible, please contact sender.



NOTES ON STATE ILLUSTRATION BY 024

Section 5 - Field Checklist

Section 6 - Site Photographs

24. Pipelines	YES	NO	COMMENTS
25. Water Wells	<input checked="" type="checkbox"/>		
26. Monitoring Wells	<input checked="" type="checkbox"/>		
27. Soil Borings	<input checked="" type="checkbox"/>		
28. Underground Storage Tanks	<input checked="" type="checkbox"/>		
29. Above-ground Storage Tanks	<input checked="" type="checkbox"/>		
30. Drums	<input checked="" type="checkbox"/>		
31. Transformers	<input checked="" type="checkbox"/>		
32. Other			See permit - unlabelled man hole to common pit all labeled now - PCG
33. Other			
34. Other			
35. Describe Adjacent Land Use			
North			US 41, mix of ag, residential, and Mod. public. 9 Demaree Park
South			CSX RR, ag.
West			residential, residential, ag, Demaree - OS. 10. 12 of 41
East			Ag, residential

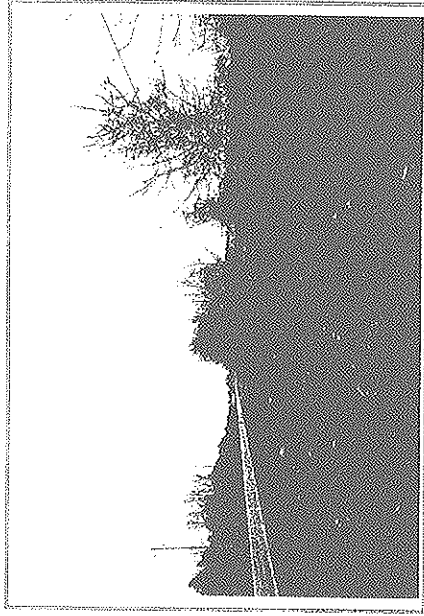


Photo No. 1: Looking southeast along U.S. 41 along north boundary of northwestern parcel.

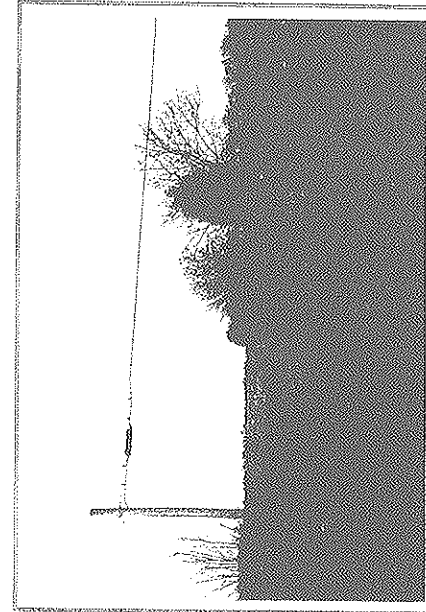


Photo No. 2: Looking south from U.S. 41 along eastern boundary of northwestern parcel.

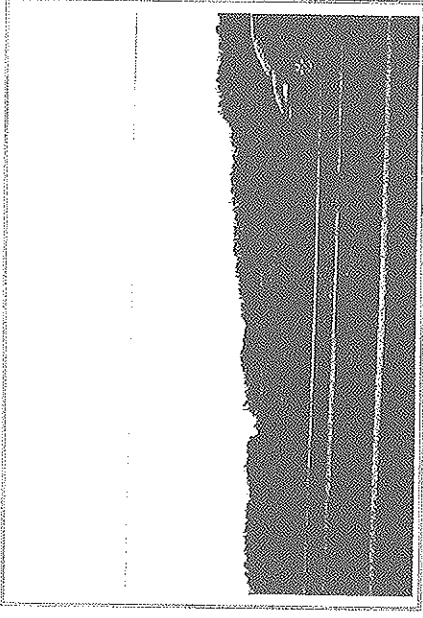


Photo No. 3: Looking south from U.S. 41 along western boundary of northwestern parcel.

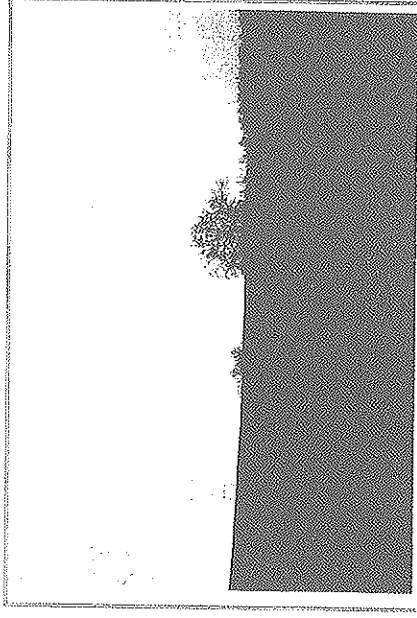


Photo No. 4: Looking south-southeast from northern boundary of northwestern parcel at location of cemetery.

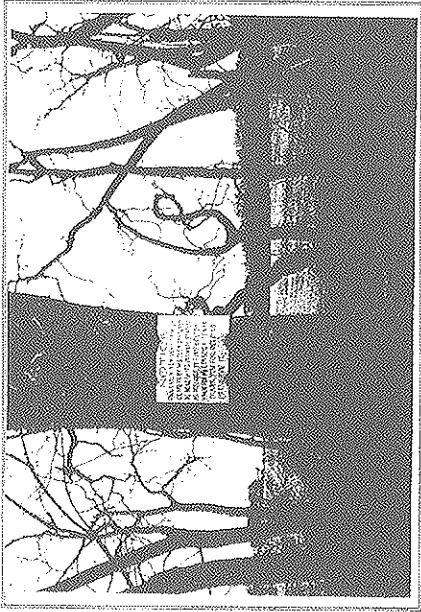


Photo No. 5: Sign in cemetery on northwestern parcel.

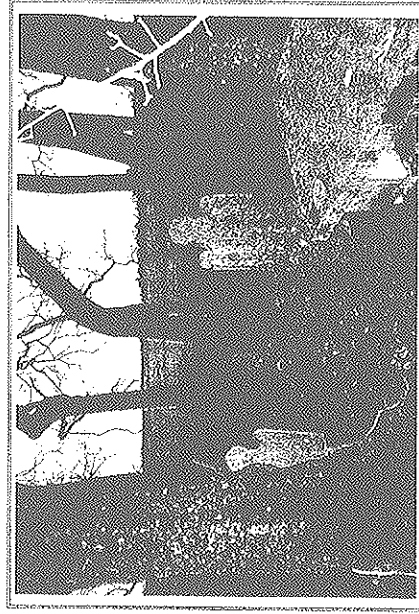


Photo No. 6: Headstones in cemetery on northwestern parcel.

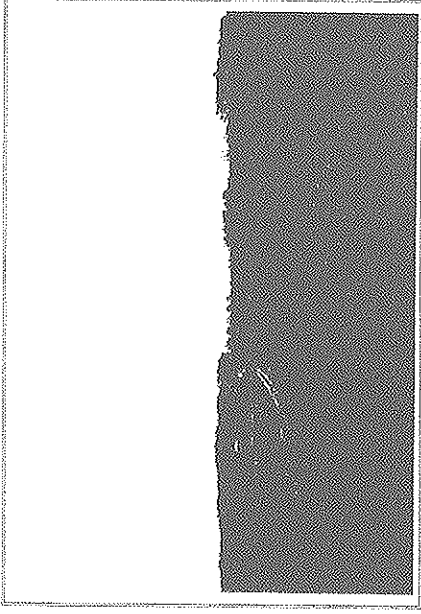


Photo No. 7: Looking north towards U.S. 41 from northwestern parcel.

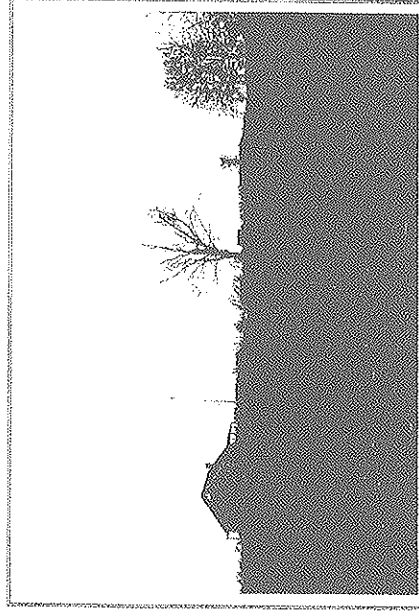


Photo No. 8: Looking west at house on northwestern parcel. Note pile of garbage bags just left of tree in center of photo.

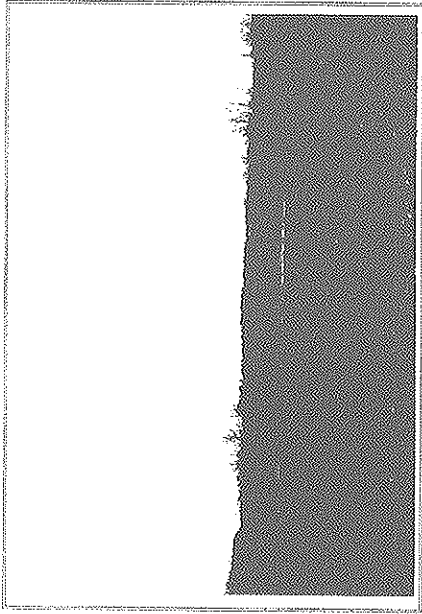


Photo No. 9: Looking south-southeast at drainage channel on northwestern parcel.

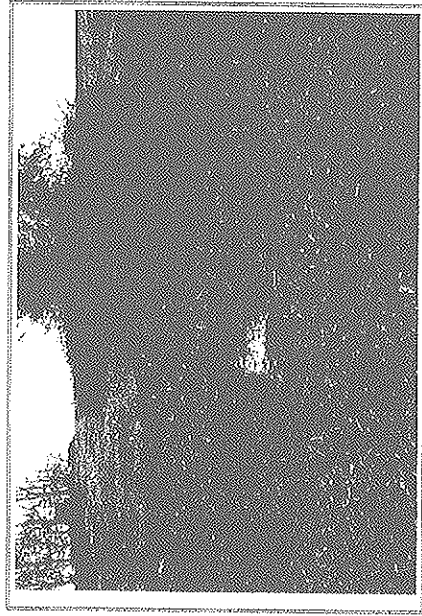


Photo No. 10: Water seeping from what appeared to be annual spring on northwestern parcel.

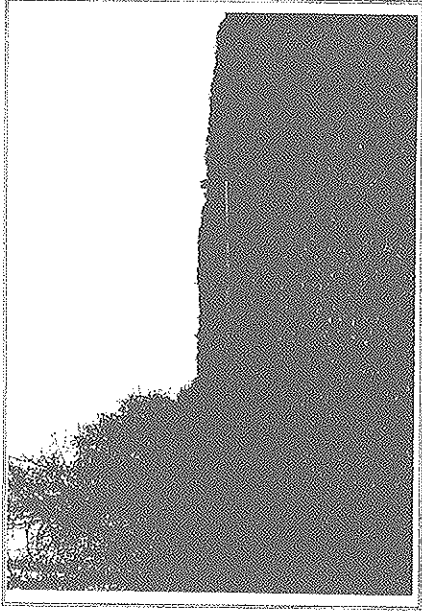


Photo No. 11: Looking west along southern boundary of northwestern parcel.

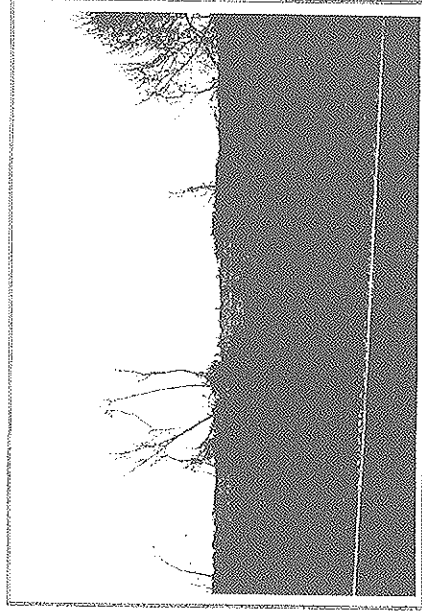


Photo No. 12: Looking south across CSX rail line at property to the south of northwestern parcel.

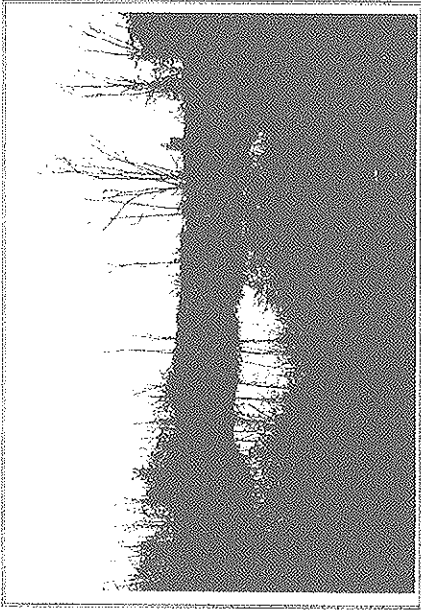


Photo No. 13: Looking east at pond on northwestern parcel. Note house in background.

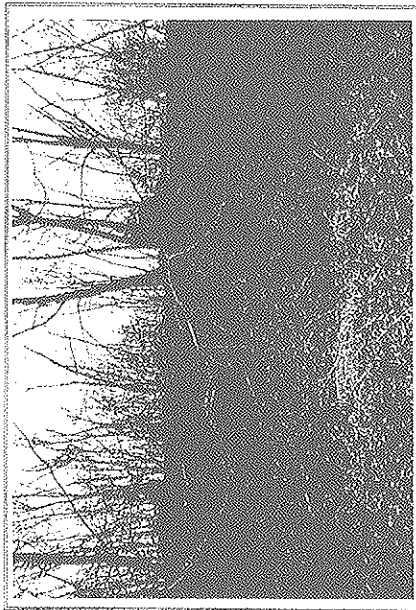


Photo No. 14: Looking north at ponded water along drainage channel on northwestern parcel.

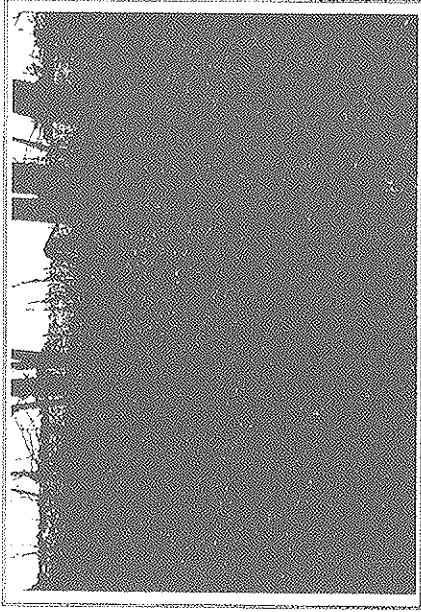


Photo No. 15: Looking east at sinkhole in wooded area along western boundary of northwestern parcel.

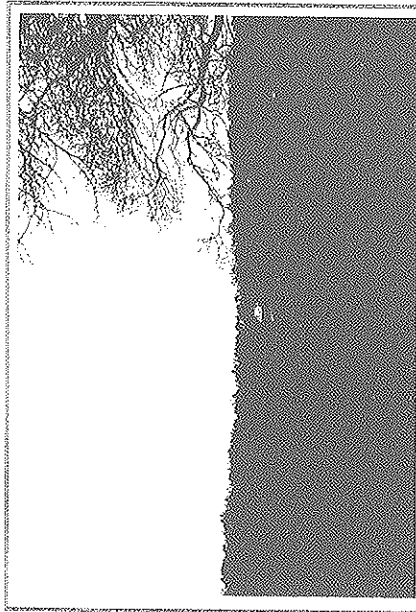


Photo No. 16: Looking southwest from cemetery at property to the north west of northwestern parcel.

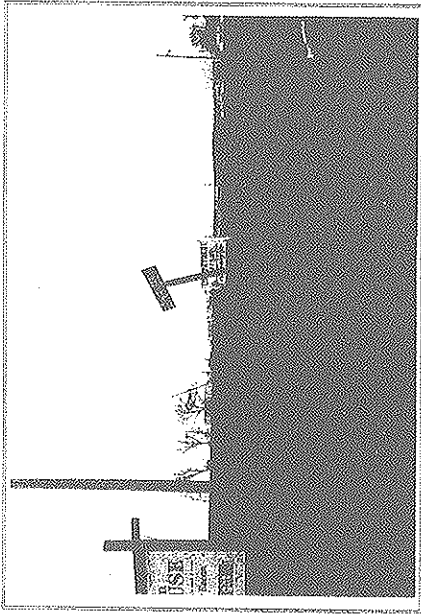


Photo No. 17: Looking southwest from intersection of John Rivers Road and U.S. 41 at center parcel.

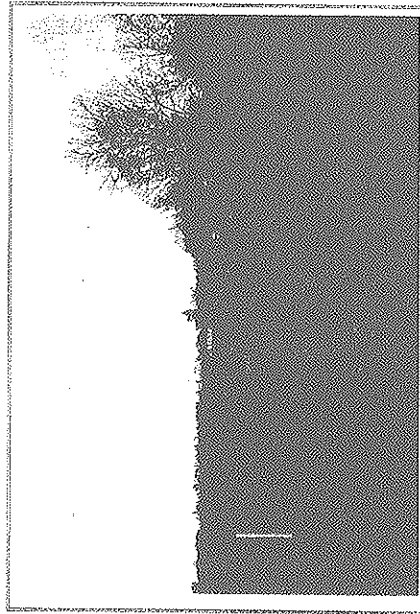


Photo No. 18: Looking northeast along John Rivers Road at eastern boundary of center parcel.

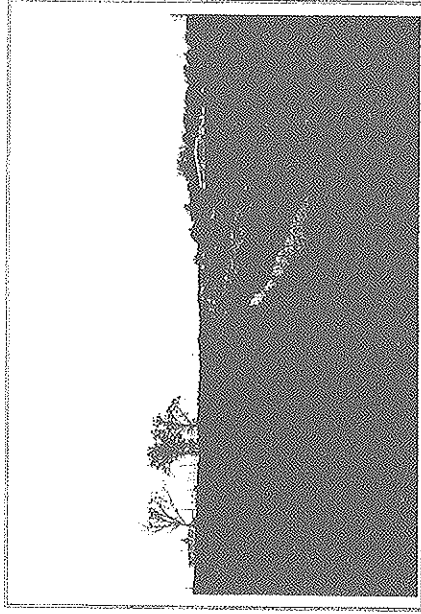


Photo No. 19: Looking west from John Rivers Road at stream running through center parcel.

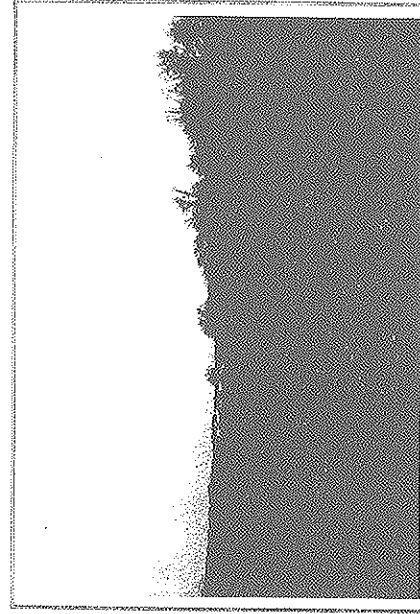


Photo No. 20: Looking west from eastern Frank Vost Lane at northern boundary (tree line) of center parcel.



Photo No. 21: Looking east along northern boundary of center parcel. Note tires dumped on property adjacent to north of center parcel.

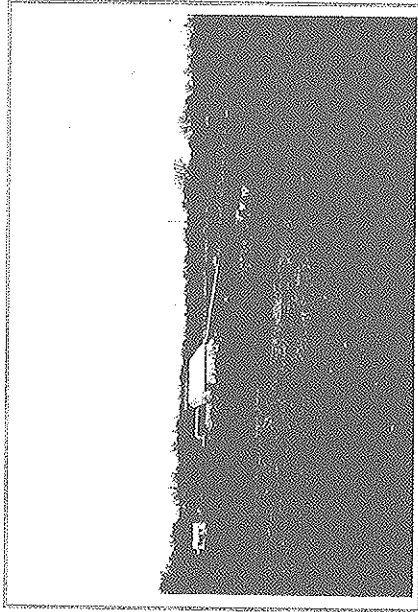


Photo No. 22: Looking northeast from Frank Yost Lane at intersection of eastern Frank Yost Lane and U.S. 41. White building in photo is location of Stump Enterprises.

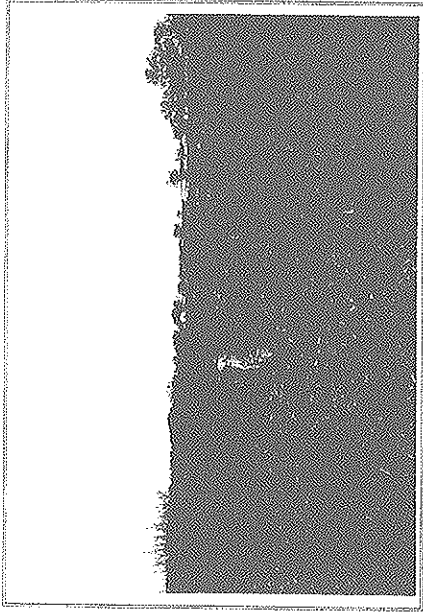


Photo No. 23: Looking west along stream in center parcel.

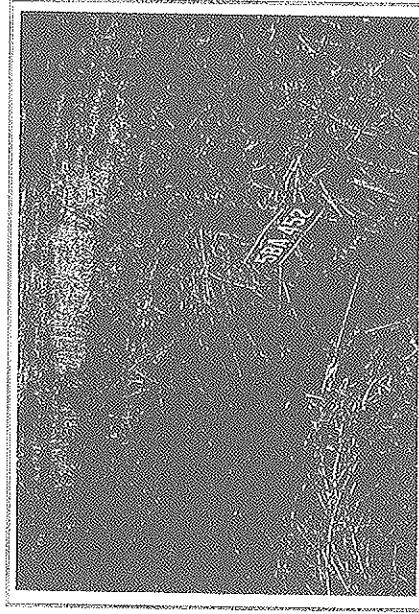


Photo No. 24: Location of a drain tile in center parcel.

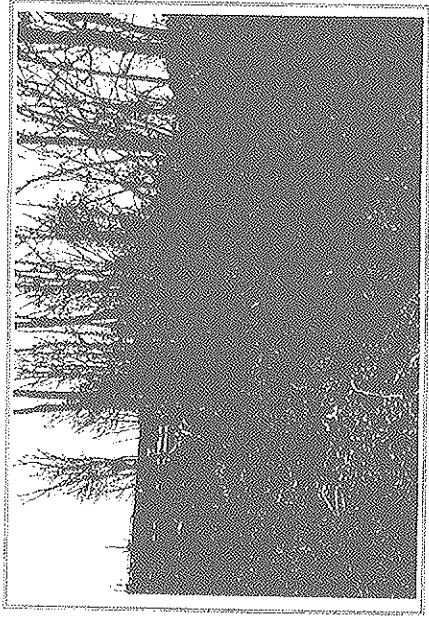


Photo No. 25: Looking north at stream entering center parcel from U.S. 41.

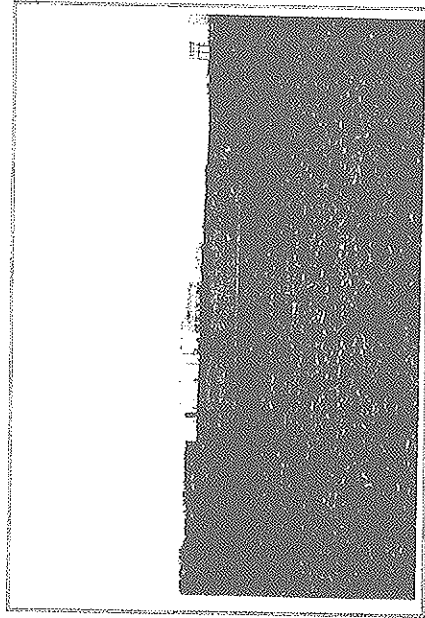


Photo No. 26: Looking south-southwest from northern boundary of center parcel at Sun Chemical facility under construction across road from center parcel



Photo No. 31: Looking south across CSX rail line at property to south of southeastern parcel.

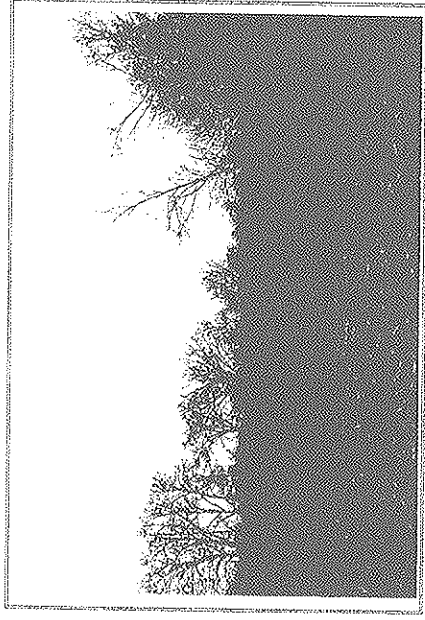


Photo No. 32: Looking southeast at eastern boundary of southeastern parcel.

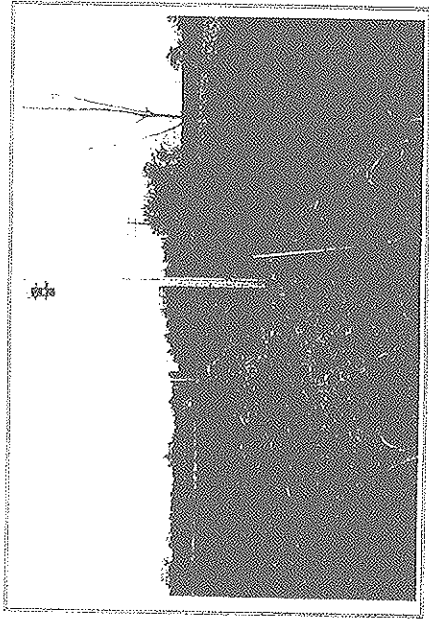


Photo No. 29: Looking east along southern boundary of southeastern parcel.

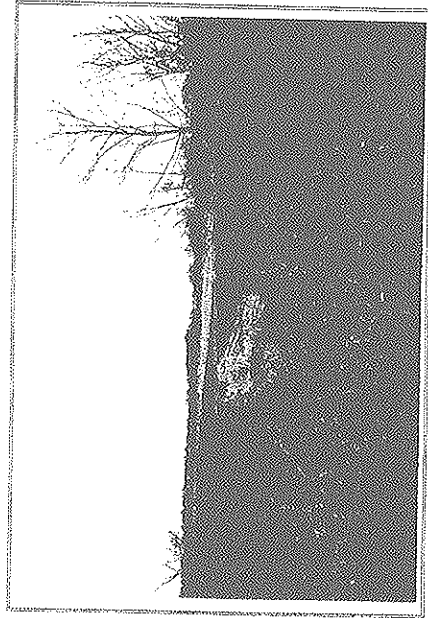


Photo No. 30: Looking northeast from CSX rail line at drainage channel through southeastern parcel.

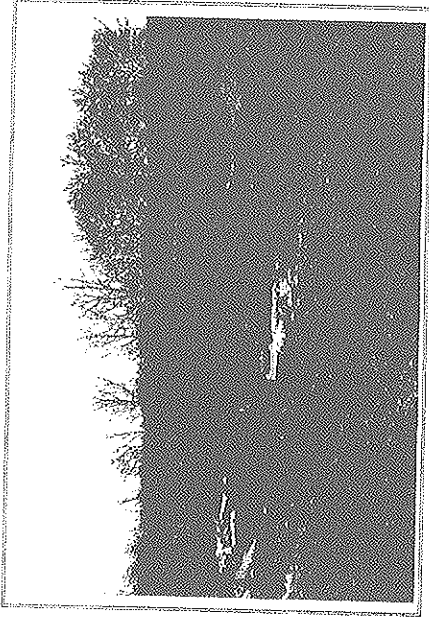


Photo No. 27: Sanitary sewer construction on center parcel.

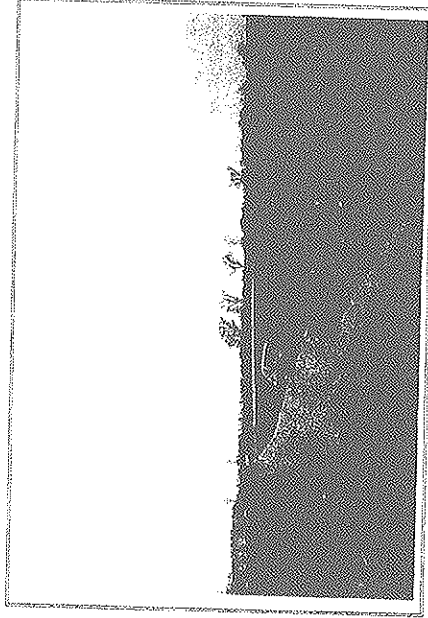
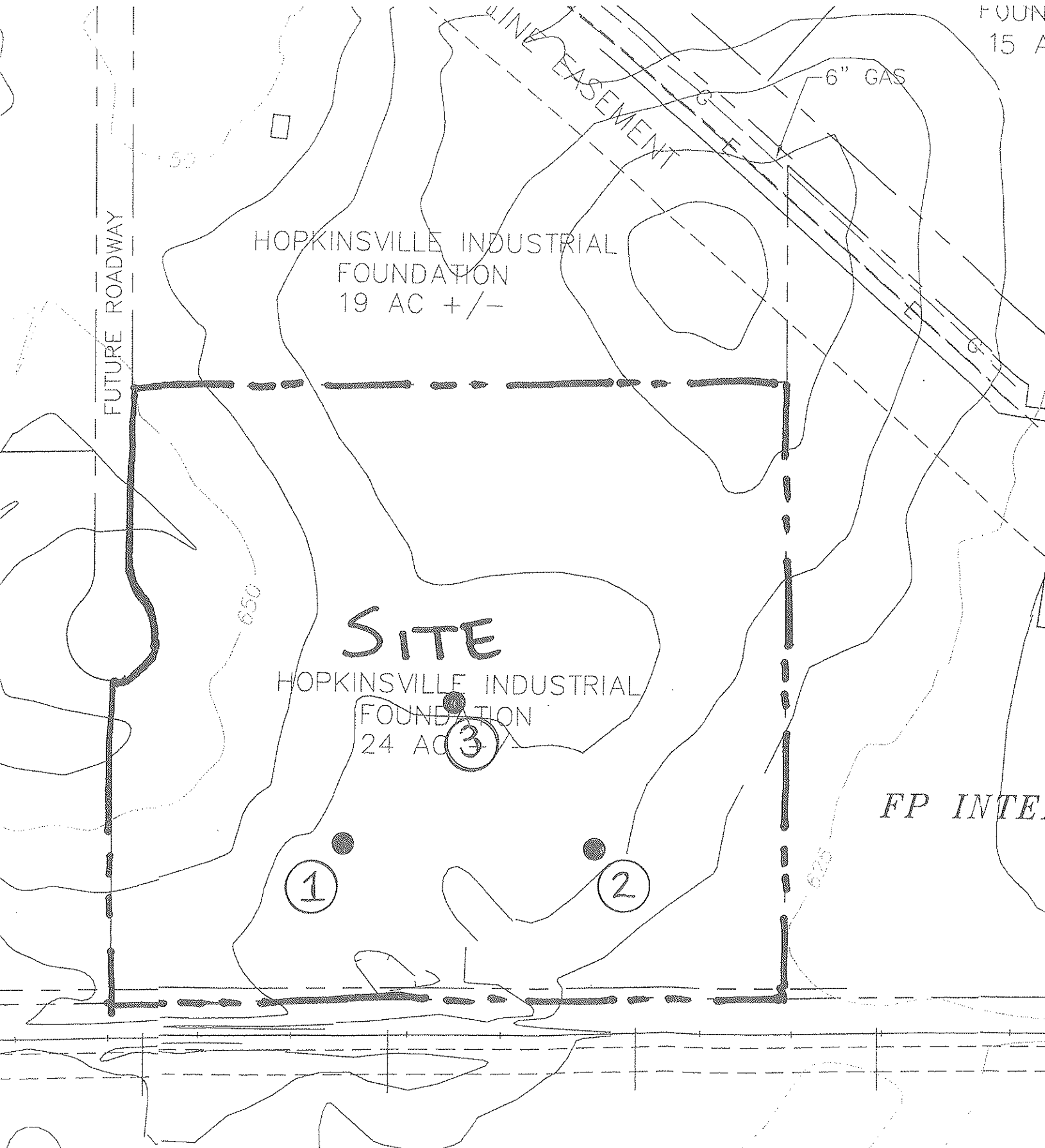


Photo No. 28: Looking northeast from intersection of John Rivers Road and CSX rail line at western boundary of southeastern parcel.

Appendix F

Analytical Test Results





HOPKINSVILLE INDUSTRIAL
FOUNDATION
19 AC +/-

SITE

HOPKINSVILLE INDUSTRIAL
FOUNDATION
24 AC +/-

1

2

3

FP INTE

Analytical Sample Locations (+/-)
Sampled 06/23/06



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Est. 1970

REPORT OF ANALYSIS

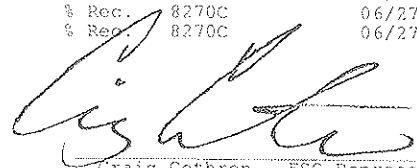
Chris Casteel
Earth Science Engineering
201 West Dunbar Cave Road
Clarksville, TN 37040

June 28, 2006

Date Received : June 24, 2006
Description : new industrial site in Christian County
Sample ID : SAMPLE 1A51B 1-2FT
Collected By : Billie Osborne
Collection Date : 06/23/06 16:35

ESC Sample # : L250406-01
Site ID : COMMERCE PARK
Project # : RIKEN

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	0.0025	mg/kg	8021/8015	06/28/06	5
Toluene	BDL	0.025	mg/kg	8021/8015	06/28/06	5
Ethylbenzene	BDL	0.0025	mg/kg	8021/8015	06/28/06	5
Total Xylene	BDL	0.0075	mg/kg	8021/8015	06/28/06	5
Methyl tert-butyl ether	BDL	0.0050	mg/kg	8021/8015	06/28/06	5
TPH (GC/FID) Low Fraction	BDL	0.50	mg/kg	TNGRO	06/28/06	5
Surrogate Recovery (70-130) a,a,a-Trifluorotoluene	97.		% Rec.	8021/8015	06/28/06	5
Polynuclear Aromatic Hydrocarbons						
Extraction Date	06/26/06			8270C	06/27/06	1
Carcinogenic PAH						
Benzo(a)anthracene	BDL	0.033	mg/kg	8270C	06/27/06	1
Benzo(a)pyrene	BDL	0.033	mg/kg	8270C	06/27/06	1
Benzo(b)fluoranthene	BDL	0.033	mg/kg	8270C	06/27/06	1
Benzo(k)fluoranthene	BDL	0.033	mg/kg	8270C	06/27/06	1
Dibenz(a,h)anthracene	BDL	0.033	mg/kg	8270C	06/27/06	1
Indeno(1,2,3-cd)pyrene	BDL	0.033	mg/kg	8270C	06/27/06	1
NonCarcinogenic PAH						
Acenaphthene	BDL	0.033	mg/kg	8270C	06/27/06	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	06/27/06	1
Anthracene	BDL	0.033	mg/kg	8270C	06/27/06	1
Benzo(g,h,i)perylene	BDL	0.033	mg/kg	8270C	06/27/06	1
Fluoranthene	BDL	0.033	mg/kg	8270C	06/27/06	1
Fluorene	BDL	0.033	mg/kg	8270C	06/27/06	1
Phenanthrene	BDL	0.033	mg/kg	8270C	06/27/06	1
Pyrene	BDL	0.033	mg/kg	8270C	06/27/06	1
Other PAH						
Chrysene	BDL	0.033	mg/kg	8270C	06/27/06	1
Naphthalene	BDL	0.033	mg/kg	8270C	06/27/06	1
Surrogate Recovery						
Nitrobenzene-d5	82.		% Rec.	8270C	06/27/06	1
2-Fluorobiphenyl	90.		% Rec.	8270C	06/27/06	1
p-Terphenyl-d14	140		% Rec.	8270C	06/27/06	1


Craig Cothron, ESC Representative

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, NJ - 81002, WI - 998093910, IL-200008

Note:

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REPORT OF ANALYSIS

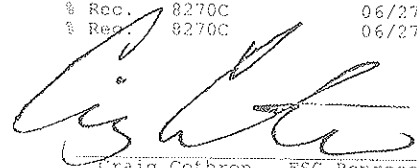
June 28, 2006

Chris Casteel
Earth Science Engineering
201 West Dunbar Cave Road
Clarksville, TN 37040

Date Received : June 24, 2006
Description : new industrial site in Christian County
Sample ID : SAMPLE 2AE2B 1-2FT
Collected By : Billie Osborne
Collection Date : 06/23/06 16:50

ESC Sample # : L250406-02
Site ID : COMMERCE PARK
Project # : RIKEN

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	0.0025	mg/kg	8021/8015	06/28/06	5
Toluene	BDL	0.025	mg/kg	8021/8015	06/28/06	5
Ethylbenzene	BDL	0.0025	mg/kg	8021/8015	06/28/06	5
Total Xylene	BDL	0.0075	mg/kg	8021/8015	06/28/06	5
Methyl tert-butyl ether	BDL	0.0050	mg/kg	8021/8015	06/28/06	5
TPH (GC/FID) Low Fraction	BDL	0.50	mg/kg	TNGRO	06/28/06	5
Surrogate Recovery (70-130) a,a,a-Trifluorotoluene	97.		% Rec.	8021/8015	06/28/06	5
Polynuclear Aromatic Hydrocarbons						
Extraction Date	06/26/06			8270C	06/27/06	1
Carcinogenic PAH						
Benzo(a)anthracene	BDL	0.033	mg/kg	8270C	06/27/06	1
Benzo(a)pyrene	BDL	0.033	mg/kg	8270C	06/27/06	1
Benzo(b)fluoranthene	BDL	0.033	mg/kg	8270C	06/27/06	1
Benzo(k)fluoranthene	BDL	0.033	mg/kg	8270C	06/27/06	1
Bibenz(a,h)anthracene	BDL	0.033	mg/kg	8270C	06/27/06	1
Indeno(1,2,3-cd)pyrene	BDL	0.033	mg/kg	8270C	06/27/06	1
NonCarcinogenic PAH						
Acenaphthene	BDL	0.033	mg/kg	8270C	06/27/06	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	06/27/06	1
Anthracene	BDL	0.033	mg/kg	8270C	06/27/06	1
Benzo(g,h,i)perylene	BDL	0.033	mg/kg	8270C	06/27/06	1
Fluoranthene	BDL	0.033	mg/kg	8270C	06/27/06	1
Fluorene	BDL	0.033	mg/kg	8270C	06/27/06	1
Phenanthrene	BDL	0.033	mg/kg	8270C	06/27/06	1
Pyrene	BDL	0.033	mg/kg	8270C	06/27/06	1
Other PAH						
Chrysene	BDL	0.033	mg/kg	8270C	06/27/06	1
Naphthalene	BDL	0.033	mg/kg	8270C	06/27/06	1
Surrogate Recovery						
Nitrobenzene-d5	95.		% Rec.	8270C	06/27/06	1
2-Fluorobiphenyl	100		% Rec.	8270C	06/27/06	1
p-Terphenyl-d14	160		% Rec.	8270C	06/27/06	1


Craig Cochran, ESC Representative

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:

ATMA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, NJ - 81002, WI - 998993910, IL-200008

Note:

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REPORT OF ANALYSIS

Chris Casteel
Earth Science Engineering
291 West Dunbar Cave Road
Clarksville, TN 37040

June 28, 2006

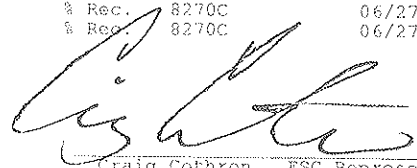
Date Received : June 24, 2006
Description : new industrial site in Christian County
Sample ID : SAMPLE 3AE3B 1-2FT
Collected By : Billie Osborne
Collection Date : 06/23/06 17:05

ESC Sample # : L250406-03

Site ID : COMMERCE PARK

Project # : RIKEN

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	0.0025	mg/kg	8021/8015	06/28/06	5
Toluene	BDL	0.025	mg/kg	8021/8015	06/28/06	5
Ethylbenzene	BDL	0.0025	mg/kg	8021/8015	06/28/06	5
Total Xylene	BDL	0.0075	mg/kg	8021/8015	06/28/06	5
Methyl tert-butyl ether	BDL	0.0050	mg/kg	8021/8015	06/28/06	5
TPH (GC/FID) Low Fraction	BDL	0.50	mg/kg	TNGRO	06/28/06	5
Surrogate Recovery (70-130) a,a,a-Trifluorotoluene	96.		% Rec.	8021/8015	06/28/06	5
Polynuclear Aromatic Hydrocarbons						
Extraction Date	06/26/06			8270C	06/27/06	1
Carcinogenic PAH						
Benzo (a) anthracene	BDL	0.033	mg/kg	8270C	06/27/06	1
Benzo (a) pyrene	BDL	0.033	mg/kg	8270C	06/27/06	1
Benzo (b) fluoranthene	BDL	0.033	mg/kg	8270C	06/27/06	1
Benzo (k) fluoranthene	BDL	0.033	mg/kg	8270C	06/27/06	1
Dibenz (a, h) anthracene	BDL	0.033	mg/kg	8270C	06/27/06	1
Indeno (1, 2, 3-cd) pyrene	BDL	0.033	mg/kg	8270C	06/27/06	1
NonCarcinogenic PAH						
Acenaphthene	BDL	0.033	mg/kg	8270C	06/27/06	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	06/27/06	1
Anthracene	BDL	0.033	mg/kg	8270C	06/27/06	1
Benzo (g, h, i) perylene	BDL	0.033	mg/kg	8270C	06/27/06	1
Fluoranthene	BDL	0.033	mg/kg	8270C	06/27/06	1
Fluorene	BDL	0.033	mg/kg	8270C	06/27/06	1
Phenanthrene	BDL	0.033	mg/kg	8270C	06/27/06	1
Pyrene	BDL	0.033	mg/kg	8270C	06/27/06	1
Other PAH						
Chrysene	BDL	0.033	mg/kg	8270C	06/27/06	1
Naphthalene	BDL	0.033	mg/kg	8270C	06/27/06	1
Surrogate Recovery						
Nitrobenzene-d5	79.		% Rec.	8270C	06/27/06	1
2-Fluorobiphenyl	89.		% Rec.	8270C	06/27/06	1
p-Terphenyl-d14	130		% Rec.	8270C	06/27/06	1


Craig Cothron, ESC Representative

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - 81002, WI - 998093910, IL-200008

Note:

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Attachment A
List of Analytes with QC Qualifiers

Sample #	Analyte	Qualifier
L250406-01	Extraction Date	J3
	p-Terphenyl-d14	J1
L250406-02	Extraction Date	J3
	p-Terphenyl-d14	J1
L250406-03	Acenaphthene	J3
	Acenaphthylene	J3
	Anthracene	J3
	Fluoranthene	J3
	Fluorene	J3
	Phenanthrene	J3J3
	Pyrene	J3J3
	Chrysene	J5

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits
J3	The associated batch QC was outside the established quality control range for precision.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high

Qualifier Report Information

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

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

		Control Limits		(AQ)	(SS)
2-Fluorophenol	31-119	Nitrobenzene-d5	43-118	Dibromfluoromethane	68-128 64-125
Phenol-d5	12-134	2-Fluorobiphenyl	45-128	Toluene-d8	76-115 69-118
2,4,6-Tribromophenol	51-141	Terphenyl-d14	43-137	4-Bromofluorobenzene	79-127 61-134

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Earth Science Engineering

5543 Edmondson Pike #103
Nashville, TN 37211-5803

Report to: Chris Casteel

Email: chris@eseng.us; thebeej@com

Project Description: new industrial site in Christian County

City/State Collected: Hopkinsville, KY

Phone: (615) 319-0113

Lab Project #

Client Project #: RIKEN

P.O.#: EARTHIN-RIKEN

Collected by (print): Billie Osborne

Site/Facility ID#: Commerce Park

Collected by (signature): Billie Osborne

Date Results Needed
Email? No Yes
FAX? No Yes

Packed on for N (Y)

Sample ID

Comp/Grab

Matrix*

Depth

Date

Time

No. of Cntrs

Sample # 1A 9 1B
Sample # 2A 9 2B
Sample # 3A 9 3B

1-2' 6/23/06 4:35pm 2
1-2' 6/23/06 4:50pm 3
1-2' 6/23/06 5:05pm 2

BTEXGROM 20zCh-NoPtes
SV8270PAHKY 40zCh-NoPtes

Analysis/Container/Preservative

Chain of Custody
Page 1 of 1

Prepared by:

**ENVIRONMENTAL
SCIENCE CORP.**

12065 Lebanon Road
Mt. Juliet, TN 37122
Phone (800) 767-5859
FAX (615) 758-5859

Account: **EARTHIN** (lab use only)
Template/PrlogIn: T37533/P180362
Cooler #: 076 NAC
Shipped Via: FedEx Ground

Remarks/Contaminant Sample # (lab only)

1750906-A
12
13

*Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other

Remarks:

pH _____ Temp _____

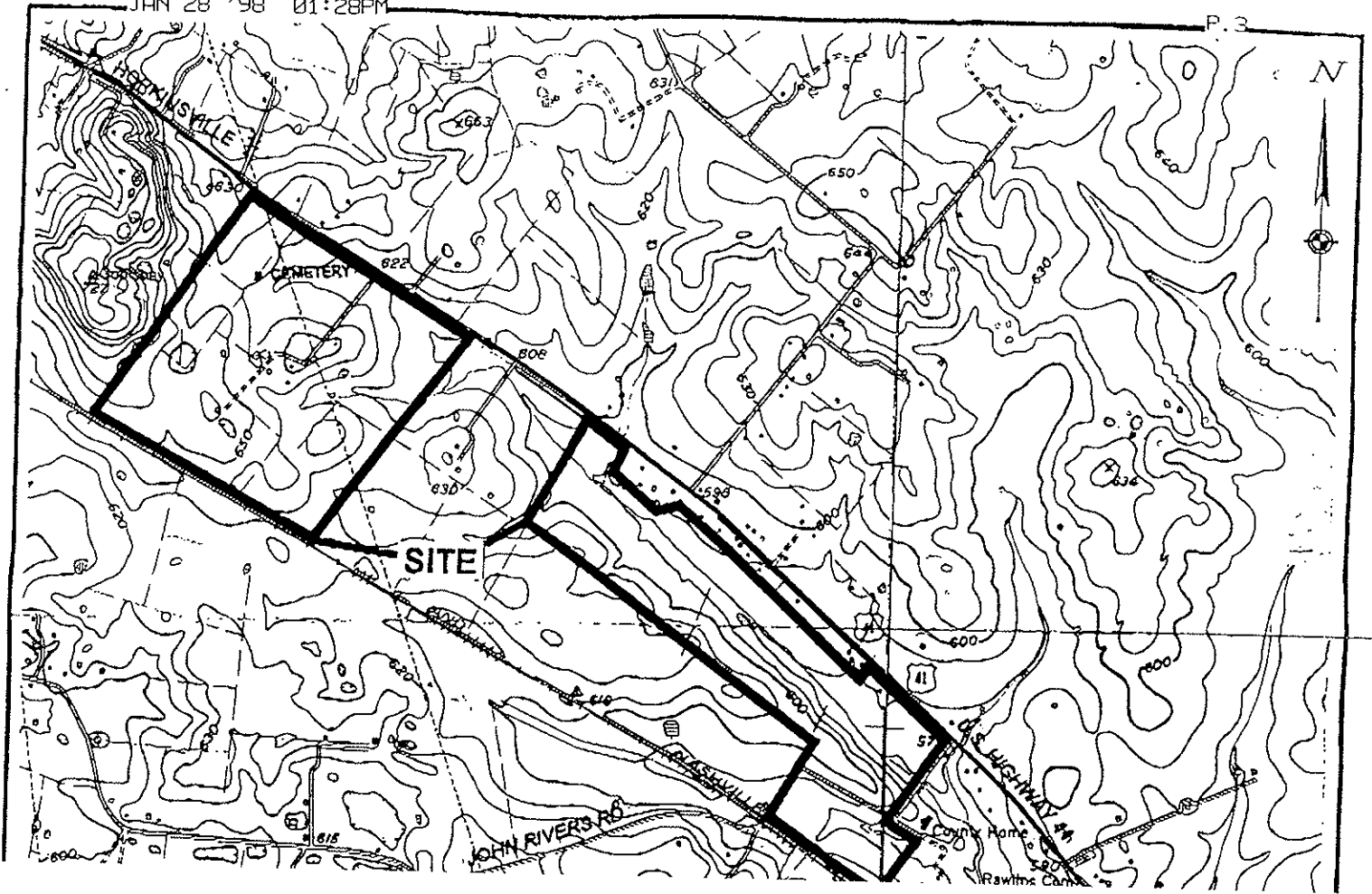
Flow _____ Other _____

Relinquished by (Signature): <u>Billie Osborne</u>	Date: <u>6/23/06 1:00pm</u>	Received by (Signature): <u>[Signature]</u>	Received by (Date): <u>6/23/06 1:00pm</u>	Relinquished by (Signature): <u>Billie Osborne</u>	Date: <u>6/23/06 1:00pm</u>	Received for lab by (Signature): <u>[Signature]</u>	Received for lab by (Date): <u>6/23/06 1:00pm</u>
Samples returned via: <input type="checkbox"/> UPS <input checked="" type="checkbox"/> FedEx <input type="checkbox"/> Courier Bottles Received: <u>3/0</u> Date: <u>6/24/06</u> Time: <u>13:20</u>		Condition: <u>OK</u> (lab use only)		pH Checked: <u>N/C</u>			

Summary of Remarks For Samples Printed
06/28/06 at 17:59:11

TGR Signing Reports: 034
R3 - Rush: Two Day

Sample: L250406-01 Account: EARTHEN Received: 06/24/06 13:20 Due Date: 06/28/06 00:00 RPT Date: 06/28/06 17:58
Sample: L250406-02 Account: EARTHEN Received: 06/24/06 13:20 Due Date: 06/28/06 00:00 RPT Date: 06/28/06 17:58
Sample: L250406-03 Account: EARTHEN Received: 06/24/06 13:20 Due Date: 06/28/06 00:00 RPT Date: 06/28/06 17:58



This side



NOT this side