

ENVIRONMENTAL CONDITION OF PROPERTY REPORT

**U.S. ARMY RESERVE CENTER (KY064)
2001 North 12th Street
Paducah, Kentucky 42001
(100th Division ARCOM)**

**U.S. Army Corps of Engineers – Louisville District
Engineering Division – Environmental Engineering Branch
600 Dr. Martin Luther King, Jr. Place
Louisville, Kentucky 40202-2232**

February 2007

ENVIRONMENTAL CONDITION OF PROPERTY REPORT SIGNATURE SHEET

The undersigned testify the contents of this report are in general concurrence with Department of Defense (DoD) policies for the completion of an Environmental Condition of Property.

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EXECUTIVE SUMMARY

GEO Consultants, LLC, under contract to the U.S. Army Corps of Engineers (USACE) Louisville District, has prepared this Environmental Condition of Property (ECP) report for the Paducah #2 U.S. Army Reserve (USAR) Center (KY064), hereafter referred to as the "Site" or "USAR Center". The Site is located at 2001 North 12th Street, Paducah, McCracken County, Kentucky, 42001 and encompasses 2.72-acres. The property has two structures constructed on-site: a main building and a picnic pavilion.

This ECP Report was conducted in conformance with primary Department of Defense and Army guidance, the Department of Defense's Base Redevelopment and Realignment Manual, DoD 4165.77-M (BRRM), Army regulations and the American Society for Testing and Materials (ASTM) Designation D 6008-96 (2005), *Standard Practice for Conducting Environmental Baseline Surveys*, as secondary guidance when it was not inconsistent with the primary guidance..

This ECP details the history of the property, including the U.S. Army Reserve and any prior tenant uses of the Site and the resulting environmental condition.

SITE DESCRIPTION & HISTORICAL USE

The subject USAR Center is situated on 2.72-acres of land with a 3,300 square-foot permanent building and a picnic pavilion. The USAR Center is currently occupied by the Army Reserve Medical Command 936 and 933. The Site has served as a USAR Center, conducting administrative and training activities, since the U.S. Navy transferred the property to the U.S. Army in 1978.

Based on a review of U.S. Geological Survey (USGS) topographical maps dating back to 1958, the Site appears to have been undeveloped until the U.S. Navy purchased the property for the naval reserve.

AREAS ASSESSED FOR ENVIRONMENTAL CONCERN

Areas of potential environmental concern were reviewed and GEO Consultants, LLC found no environmental impacts relating to the USAR use of this property.

Of note is the presence of lead-based paint (LBP) on the interior door casings and porch ceiling and assumed presence of asbestos-containing material (ACM) in the floor tile and mastic located in the Main building.

ENVIRONMENTAL CONDITION OF PROPERTY

In accordance with Department of Defense policy defining the classifications (See Sherri Goodman Memorandum dated 21 October 1996), the Property has been classified as Category 1. This classification does not include categorizing the property based on *de minimis* conditions that generally do not present material risk of harm to

the public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

TABLE OF CONTENTS

SECTION & TITLE	PAGE NO.
LIST OF ACRONYMS	vii
1.0 INTRODUCTION.....	1
1.1 Purpose of Environmental Condition of Property (ECP).....	1
1.2 Scope of Services	2
2.0 SITE LOCATION AND PHYSICAL DESCRIPTION.....	4
2.1 Site Location.....	4
2.2 Asset Information.....	4
2.3 Physical Description.....	4
2.4 Site Hydrology and Geology	5
2.4.1 Surface Water Characteristics.....	5
2.4.2 Hydrogeological Characteristics	5
2.5 Site Utilities.....	6
2.6 Water Supply Wells & Septic Systems	6
3.0 SITE HISTORY	7
3.1 History of Ownership.....	7
3.2 Past Uses and Operations.....	7
3.3 Past Use, Storage, Disposal, and Release of Hazardous Substances	8
3.3.1 Past Use and Storage of Hazardous Substances	8
3.3.2 Past Disposal and Release of Hazardous Substances	8
3.4 Past Presence of Bulk Petroleum Storage Tanks.....	9
3.5 Review of Previous Environmental Reports.....	9
3.5.1 1993 Radon Testing Results.....	9
3.5.2 2001 Asbestos Inspection Report	9
3.5.3 2001 Asbestos Abatement Submittal	9
3.5.4 2004 Lead-Based Paint (LBP) Survey Report	9
3.5.5 2004 Intensive Architectural Survey of Selected Facilities, 81 st Regional Readiness Command Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, and Tennessee	10

4.0	ADJACENT PROPERTIES.....	11
5.0	REVIEW OF REGULATORY INFORMATION	12
5.1	Federal Environmental Records.....	12
5.1.1	Federal NPL Sites within 1.0-Mile	12
5.1.2	Federal CERCLIS Sites within ½-Mile.....	12
5.1.3	RCRA Corrective Action (CORRACTS) Sites within 1.0-Mile	12
5.1.4	RCRA Transport, Treat, Store, and/or Disposal Sites within ½- Mile.....	13
5.1.5	Federal RCRA Small and Large Quantity Generators List within ¼- Mile.....	13
5.1.6	Federal Emergency Response Notification System (ERNS) List.....	13
5.2	State and Local Environmental Records	13
5.2.1	State-Registered Landfills or Solid Waste Disposal Sites within ½- Mile.....	13
5.2.2	State-Registered Leaking UST (LUST) Sites within ½-Mile	14
5.2.3	State-Registered UST Sites within ¼-Mile.....	15
5.2.4	State Spills Incidents (KY Spills)	15
5.2.5	Records of Contaminated Public Wells	15
5.2.6	Voluntary Action Program Sites within ½-Mile	15
5.2.7	State Brownfields Program Sites within ½-Mile	16
5.2.8	State-Registered Sites with Engineering Controls within ½-Mile	16
5.2.9	State-Registered Sites with Institutional Engineering Controls within ½-Mile.....	16
5.2.10	State-Registered Drycleaning Facilities within ¼-Mile.....	16
5.2.11	Manufactured Gas Plant Sites within 1-Mile.....	16
5.3	Tribal Environmental Records	16
5.3.1	Registered Indian Reservations within 1-Mile	16
5.4	Unmapped Sites	16
5.5	Summary of Properties Evaluated to Determine Risk to the Site.....	17
6.0	SITE INVESTIGATION AND REVIEW OF HAZARDS	18
6.1	Underground/Aboveground Storage Tanks (USTs/ASTs).....	18
6.2	Inventory of Chemicals / Hazardous Substances	18

6.3	Waste Disposal Sites	18
6.4	Pits, Sumps, Drywells, and Catch Basins	18
6.5	Asbestos-Containing Material (ACM).....	18
6.6	Polychlorinated Biphenyl Containing Equipment.....	19
6.7	Lead.....	19
6.8	Radon.....	19
6.9	Munitions and Explosives of Concern (MEC)	19
6.10	Radioactive Materials.....	19
7.0	REVIEW OF SPECIAL RESOURCES.....	20
7.1	Land Use.....	20
7.2	Coastal Zone Management	20
7.3	Wetlands.....	20
7.4	100-Year Flood Plain	20
7.5	Natural Resources.....	20
7.6	Cultural Resources.....	20
7.7	Other Special Resources	21
8.0	CONCLUSIONS.....	22
9.0	REFERENCES.....	24

LIST OF APPENDICES

APPENDIX A: FIGURES

Figure 1	General Site Location Map
Figure 2	Site Layout Plan
Figure 3	Interior Layout Plan
Figure 4	1982 USGS 7.5-Minute Topographic Map, Paducah West, Kentucky
Figure 5	Flood Plain Map
Figure 6	1958 USGS 7.5-Minute Topographic Map, Paducah West, Kentucky
Figure 7	1968 USGS 7.5-Minute Topographic Map, Paducah West, Kentucky
Figure 8	1971 Aerial Photograph
Figure 9	1998 Aerial Photograph
Figure 10	2004 Aerial Photograph
Figure 11	National Wetlands Inventory Map

APPENDIX B: SITE RECONNAISSANCE PHOTOGRAPHS

APPENDIX C: PROPERTY ACQUISITION DOCUMENTS & CHAIN OF TITLE REPORT

APPENDIX D: PREVIOUS ENVIRONMENTAL SITE ASSESSMENT REPORTS

APPENDIX E: REGULATORY DATABASE SEARCH REPORTS

LIST OF ACRONYMS

ACM	asbestos-containing material
AR	Army Regulation
AST	aboveground storage tank
ASTM	American Society for Testing and Materials
CAM	chemical agent monitor
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS	CERCLA Information System
CFR	Code of Federal Regulations
CORRACTS	RCRA Corrective Action
DoD	Department of Defense
ECP	Environmental Condition of Property
EDR	Environmental Data Resources, Inc.
EEG	Environmental Enterprise Group, Inc.
ERNS	Emergency Response Notification System
FEMA	Federal Emergency Management Agency
kg	kilograms
LBP	lead-based paint
LUST	leaking underground storage tank
MEC	munitions and explosives of concern
MEP	military equipment parking
NPL	National Priorities List
NRHP	National Register of Historic Places
PCBs	polychlorinated biphenyls
pCi/l	picoCuries per liter of air
POV	privately owned vehicle
RCRA	Resource Conservation and Recovery Act
RCRIS	RCRA Information System
RQ	reportable quantity
RRC	Regional Readiness Command
Site	Paducah Army Reserve Center #2 (KY064)
TSD	treat, store and/or dispose
USACE	U.S. Army Corps of Engineers
USAR	U.S. Army Reserve
USEPA	U.S. Environmental Protection Agency
USGS	U.S. Geological Survey
UST	underground storage tank
WSR	Wild and Scenic River

1.0 INTRODUCTION

GEO Consultants, LLC, under contract to the U.S. Army Corps of Engineers (USACE) Louisville District, was authorized to conduct an Environmental Condition of Property (ECP) report for the Paducah #2 U.S. Army Reserve (USAR) Center (KY064) in response to the Base Realignment and Closure (BRAC) 2005 legislation. The facility is located at 2001 North 12th Street, Paducah, McCracken County, Kentucky, 42001, hereafter referred to as the "Site" or "USAR Center". In support of the ECP, a site visit was conducted on August 1, 2006. The purpose of the visit was to visually obtain information indicating the likelihood of recognized environmental conditions in connection with the site.

1.1 PURPOSE OF ENVIRONMENTAL CONDITION OF PROPERTY (ECP)

The Military Department with real property accountability shall assess, determine and document the environmental condition of all transferable property in an ECP Report. This ECP Report is based on readily available information. Pursuant to the Department of Defense's policy, set forth in the Base Redevelopment and Realignment Manual (DoD 4165.66-M, March 1, 2006) Section C8.3 (BRRM), the primary purposes of the ECP Report include the following:

- Provide the Army with information it may use to make disposal decisions.
- Provide the public with information relative to the environmental condition of the property.
- Assist in community planning for the reuse of BRAC property.
- Assist Federal agencies during the property screening process.
- Provide information for prospective buyers.
- Assist prospective new owners in meeting the requirements under U.S. Environmental Protection Agency's (USEPA) "All Appropriate Inquiry" regulations when they become final.
- Provide information about completed remedial and corrective actions at the property.
- Assist in determining appropriate responsibilities, asset valuation, and liabilities with other parties to a transaction.

The ECP report contains the information required to comply with the provisions of 40 Code of Federal Regulations (CFR), Part 373 which require that a notice accompany contracts for the sale of, and deeds entered into for the transfer of federal property on which any hazardous substance was stored, released or disposed of. The Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Section 120(h) stipulates that a notice is required if certain quantities of designated

hazardous substances have been stored on the property for one year or more - specifically, quantities exceeding 1,000 kilograms (kg) or the reportable quantity (RQ), whichever is greater, of the substances specified in 40 CFR 302.4, or one kg of acutely hazardous waste as defined in 40 CFR 261.30. A notice is also required if hazardous substances have been disposed of or released on the property in an amount greater than or equal to the RQ. Army Regulation (AR) 200-1 requires that the ECP report address asbestos, lead-based paint (LBP), radon and other substances potentially hazardous to human health.

This ECP Report used the American Society for Testing and materials (ASTM) Designation D 6008-96 (2005), *Standard Practice for Conducting Environmental Baseline Surveys* as a guideline when not inconsistent with the BRRM, CERCLA § 120, Army regulations and other applicable Army guidance.

1.2 SCOPE OF SERVICES

This ECP report covers the 2.72-acre USAR Center located at 2001 North 12th Street, Paducah, Kentucky 42001. Residences to the east, a field to the west, a church to the north, and commercial areas to the south bound the property. Site maps are provided in Appendix A. Appendix B provides photographs taken during the August 2006 site visit. Appendix C provides the chain of title information. Historical environmental documents and reports are provided in Appendix D, while Appendix E contains the Environmental Data Resources, Inc. (EDR) reports.

This ECP report classifies the property into one of seven DoD Environmental ECP categories in accordance with the Base Redevelopment and Realignment Manual, DoD 4165.66-M; DoD Policy established in 1996 and using as a guideline the as defined by ASTM Designation D5746-98 (2002), *Standard Classification of Environmental Condition of Property Area Types for Defense Base Closure and Realignment Facilities*. The property classification categories are as follows:

- ECP Area Category 1 – An area or parcel of real property where no release, or disposal of hazardous substances or petroleum products or their derivatives has occurred (including no migration of these substances from adjacent properties).
- ECP Area Category 2 – An area or parcel of real property where only the release or disposal of petroleum products or their derivatives has occurred.
- ECP Area Category 3 – An area or parcel of real property where release, disposal, or migration, or some combination thereof, of hazardous substances has occurred, but at concentrations that do not require a removal or remedial action.
- ECP Area Category 4 – An area or parcel of real property where release, disposal, or migration, or some combination thereof, of hazardous substances has occurred, and all remedial action necessary to protect human health and the environment have been taken.

- ECP Area Category 5 – An area or parcel of real property where release, disposal, or migration, or some combination thereof, of hazardous substances has occurred and removal or remedial actions, or both, are under way, but all required actions have not yet been taken.
- ECP Area Category 6 – An area or parcel of real property where release, disposal, or migration, or some combination thereof, of hazardous substances has occurred, but required response actions have not yet been initiated.
- ECP Area Category 7 – An area or parcel of real property that is unevaluated or requires additional evaluation.

Areas classified as Area Categories 1 through 4, as defined in this classification, are suitable, with respect to CERCLA Section 120(h) requirements, for deed transfer to a non-federal recipient.

2.0 SITE LOCATION AND PHYSICAL DESCRIPTION

2.1 SITE LOCATION

The USAR Center is located in the Northern portion of McCracken County, Kentucky, within the city limits of Paducah, Kentucky. The site is located in a primarily commercial area, with businesses located to the north and west, residences to the east, and a mixture of commercial and residential to the south. Figure 1 in Appendix A provides a general site location map.

2.2 ASSET INFORMATION

Facility Name and Address: Paducah #2 U. S. Army Reserve Center
(Facility ID KY064)
2001 12th Street
Paducah, Kentucky 42001

Property Owner: United States Government

Date of Ownership: September 4, 1958

Current Occupant: 100th Division U.S. Army Reserve

Zoning: B3 – general business zone

County, State: McCracken, Kentucky

USGS Quadrangle(s): Paducah West

Latitude/longitude: 37° 5' 32.6" N; 88° 37' 40.8" W

Legal Description:

The USAR Center includes one parcel of land, described in the warranty deeds as said tract of land, consisting of 2.7-acres. Copies of the deeds, which include accurate legal descriptions, are provided in Appendix C.

2.3 PHYSICAL DESCRIPTION

The USAR Center is situated on 2.72-acres of land with a 3,300 square-foot permanent building and an approximately 1080 square-foot picnic pavilion. The building at Facility KY064 is a single story, concrete block building, constructed in 1955. The building was altered by construction of the main entrance and the replacement of the windows and

new roof. Construction date of the picnic pavilion is unknown, however, based upon a review of aerial photographs and records, it was constructed after 1978. Photographs No. 1 and No. 6 in Appendix B present views of USAR Center KY064.

A military equipment parking (MEP) area and a privately owned vehicle (POV) parking area are also contained within the Site. Photographs No. 13 and No. 4 in Appendix B provide views of the MEP and POV areas, respectively. Approximately 1/3 of the Site is covered by impervious surface features (e.g. asphalt parking areas, driveways, concrete walkways, building footprints, etc.). A fence surrounds the main building area, including the MEP and POV areas. Topographically, the Site is relatively flat and contains little relief. Figure 2 in Appendix A provides a current plan view layout of the Site. Figure 3 depicts the interior layout of the Main building. Military vehicles were present within the MEP area during the site visit.

2.4 SITE HYDROLOGY AND GEOLOGY

2.4.1 Surface Water Characteristics

Figure 4 in Appendix A provides a portion of the 1982 Paducah, Kentucky U.S. Geological Survey (USGS) topographic map which includes the Site. As shown, the Site is situated at an elevation of approximately 350-feet above mean sea level and is relatively flat. There are no storm sewer drains and the storm water sheet flows from the Site to surrounding ditches.

Perkins Creek is located within ½-mile of the Site, to the west and north. In addition, there are a few ponds within 1-mile of the Site to the northeast and southeast. The Ohio River, located approximately 1-mile north of the Site, is the closest major surface water feature.

According to the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map, Community Panel 2101520002D, the Site is not included in the 100-year floodplain elevation or the 500-year floodplain elevation. Figure 5 in Appendix A provides a map depicting the extents of the nearest 100-year and 500-year floodplain in relation to the Site.

2.4.2 Hydrogeological Characteristics

According to information acquired from the Soil Conservation Service's State Soil Geographic Database for McCracken County, the specific soil type at the Site is from the Henry Series. The Henry Series is considered a hydric soil.

The surface soil is generally silty loam. This soil type has very slow infiltration rates, is clayey and characterized as having fine textures. In a typical profile, the surface layer is approximately 9 in. thick. The subsoil is approximately 22 in. thick and is also silty loam. Soils drain poorly and may have a saturated zone, a layer of low hydraulic conductivity, or seepage.

2.5 SITE UTILITIES

Water Service – The Paducah Water Works provides potable water service to the Site.

Sanitary Sewer System – The Paducah McCracken Joint Sewer Agency does not provide sanitary sewer service to the Site as there are no sanitary sewers located on Site. The USAR Center utilizes an on-site septic tank that is owned and operated by the USAR.

Gas & Electric – Paducah Power provides electric service to the Site. Atmos Energy provides natural gas service.

2.6 WATER SUPPLY WELLS & SEPTIC SYSTEMS

Based upon a review of available historical site and agency records and interviews with site personnel, a water supply well is not located on Site. However, the Site has a septic tank for the wastewater discharge from the facility, which includes non-process wastewater (bathrooms, sinks, etc.).

A search of Federal and State water well databases identified a total of 32 wells within 1-mile of the site. Two are domestic wells located approximately ½-1 mile from the site, one to the west and one to the east. Three wells, located in Noble Park, southwest of the site, are for irrigation purposes. One well is for industrial purposes and the remaining 26 groundwater wells located within the 1-mile of the Site are for monitoring purposes.

3.0 SITE HISTORY

3.1 HISTORY OF OWNERSHIP

Land titles for the Site were reviewed back to 1949. Appendix C contains a chain of title report completed for the Site. The chain of title report did not identify any leases or environmental liens against the USAR Center property. According to historical documentation, Robert Cherry and Pierce Lackey purchased the property from G.C. Martin on December 3, 1949. Based on a search of the grantor and grantee books, the property valuation office, no records could be located documenting the sale from Mr. Lackey and Mr. Cherry to the U.S. Navy. However, the U.S. Navy transferred the property by Form DD1354 to the U.S. Army on July 28, 1978.

Prior to the U.S. Government's purchase of the land, the property was a field as indicated by historical maps. Appendix E provides a copy of the historical topographical maps obtained from EDR.

Available business directories including City, cross-reference, and telephone directories were reviewed, if available, at approximately five-year intervals for the years spanning 1954 through 2006. According to a City Directory provided by EDR and dated July 18, 2006, the address of the USAR Center was first listed in the research source (Caron Directory) in 1986.

Historical documentation supports the 1955 construction date of the USAR Center Main building. A copy of the City Directory is included in Appendix E.

3.2 PAST USES AND OPERATIONS

Sometime after 1949, the U.S. Government purchased the 2.72-acres of land from Robert Cherry and Pierce Lackey. Construction of the Main building occurred in 1955. Historical information sources document that the Site was formerly part of the U.S. Navy Reserve prior to use as an Army Reserve Center. The Site has always served as a reserve and mobilization center for the U.S.

The Site primarily functioned as an administrative facility and equipment storage. The Site was historically used by reservists for drill activities on various weekends throughout the year. The Army Reserve Medical Command 936 and 933 are the current occupants at the USAR Center. At the time of the site visit, the administration building contained various items, including desks, office furniture, and folding tables. The Site is also used for the storage of organizational medical equipment. Two connexes are located outside in the MEP area, for the storage of medical field equipment.

Historical aerial photographs and topographic maps were the primary source of information on the past use and operations at the Site. Figure 4 in Appendix A provides

a 1982 USGS topographical map of the Site. Additional USGS topographical maps from 1958 and 1968 are presented in Figures 6 and 7, while views of the surrounding areas and site from 1971 and 1998 are presented in Figures 8 and 9 respectively.

The 1958 USGS topographical map (Figure 6, Appendix A) shows the field where the facility is located. The 1968 USGS topographical map (Figure 7, Appendix A) shows the Main building.

The 1971 aerial photograph (Figure 8, Appendix A) shows the Main building and paved areas of the site. The picnic pavilion has not yet been constructed. The area to the east of the site is residential and the area to the northwest is undeveloped. A church, located to the north is present, and the commercial building to the south is also constructed.

The 1998 aerial photograph (Figure 9, Appendix A) shows the Main building and the picnic pavilion. The area to the north and west has been commercially developed.

The 2004 aerial photograph (Figure 10, Appendix A) shows the Site as it currently exists. Single-family residences are visible east of the site. A ball field is located northwest of the site. Commercial properties are located to the north of the ball field. Residential and commercial properties surround the site to the west and south.

3.3 PAST USE, STORAGE, DISPOSAL, AND RELEASE OF HAZARDOUS SUBSTANCES

3.3.1 Past Use and Storage of Hazardous Substances

Information related to the past use and storage of hazardous substances at the Site was compiled through review of available site records, search of Federal and State environmental databases, and interviews with Army Reserve personnel. See Section 9.0 for specific information.

Chemicals formerly used and stored at the Site were associated with janitorial services. Janitorial chemicals and building maintenance-related products were stored in the designated storage area within the janitorial closet located in the Main building. Certain types of chemical products used and stored at the Site would have contained CERCLA hazardous substances and would have been stored on a rotational basis in amounts necessary to support the unit through direct support level maintenance. However, there is no indication that CERCLA hazardous substances were stored at the Site for one year or more in excess of corresponding reportable quantities.

3.3.2 Past Disposal and Release of Hazardous Substances

Information related to past disposal and potential release of hazardous substances at the Site was compiled through review of available site records, search of Federal and State environmental databases, and interviews with Army Reserve personnel. According to Army Reserve personnel and site records, on-site disposal of hazardous

materials or wastes has not occurred at the Site. However, distressed vegetation was observed around the barbeque pit from the application of herbicides (Photograph No. 7, Appendix B). The MEP area and POV parking area did not show any signs of staining and no noxious or foul odors were noted during the site visit.

3.4 PAST PRESENCE OF BULK PETROLEUM STORAGE TANKS

Based upon a review of available site records, a search of Federal and State environmental databases, and interviews with Army Reserve personnel, it does not appear that aboveground storage tanks (ASTs) and/or underground storage tanks (USTs) ever existed on Site.

3.5 REVIEW OF PREVIOUS ENVIRONMENTAL REPORTS

A review of site records produced several reports pertaining to the Site. The following subsections provide a brief summary of these reports. Copies of the reports, unless otherwise specified, are provided in Appendix D.

3.5.1 1993 Radon Testing Results

Correspondence dated June 30, 1993 presents results from radon testing for the 100th Division and the 125th U.S. Army Reserve Command. The results presented for the KY064 were below 4.0 picoCuries per liter of air (pCi/l), which is the USEPA's recommended maximum allowable limit.

3.5.2 2001 Asbestos Inspection Report

The Environmental Enterprise Group, Inc. (EEG) conducted an inspection to identify asbestos containing building materials at this Site. Potential types, quantities, locations, and conditions of asbestos were examined in the report. The report assumed the presence of non-friable asbestos-containing materials (ACM) at the facility in the colored 9 in. floor tiles and associated floor tile mastic.

3.5.3 2001 Asbestos Abatement Submittal

The general contractor, Astrid Contract Technical Services, Inc., submitted records and field notes related to the removal of the ACM on the piping associated with the boiler. The abatement activity was conducted in April and May of 2001.

3.5.4 2004 Lead-Based Paint (LBP) Survey Report

The 81st Regional Readiness Command (RRC) retained EEG to identify the locations of lead based paint at the site. Confirmed LBP was identified on the interior door casings and the porch ceiling.

3.5.5 2004 Intensive Architectural Survey of Selected Facilities, 81st Regional Readiness Command Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, and Tennessee

Brockington and Associates, Inc. conducted an architectural survey and prepared the report for the 81st RRC. The purpose of this document was to inventory 18 properties controlled or leased by the 81st RRC in the states of Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, and Tennessee. Historical information, setting and landscape, cultural resources, security, architectural information, and structure descriptions are included for each property. Each facility was also assessed for its eligibility to the National Register of Historic Places (NRHP). The pertinent information regarding the subject Site has been extracted from the report and is included in Appendix D. The Site did not meet the criteria for inclusion in the NRHP.

4.0 ADJACENT PROPERTIES

Figure 10 in Appendix A provides the 2004 aerial view of the Site and adjacent properties. Table 1 provides a list of adjacent properties with their directional location in regards to the Site. The zoning of the adjacent parcels is also listed in Table 1. Photographs No. 4, No. 5, No. 8 through No. 12, and No. 14 in Appendix B provide views of adjacent properties and surrounding land use.

TABLE 1 LIST OF ADJACENT PROPERTIES			
Direction From Site	Name/Type of Property	Address	Zoning
North	Church/non-profit	1915 North 10 th Street	B3 – general business zone
South West	St. Vincent de Paul Budget Store/non-profit	2025 Cairo Road	B3 – general business zone
East	Various/residential	Palm Street	R3- medium density residential zone
West	NA/field	NA	B3 – general business zone

Appendices A, C, D, and E provide historical aerial photographs, topographic maps, title information, previous environmental reports and EDR reports, which were used to evaluate any potential environmental impacts on adjacent properties that may have also impacted the environmental condition at the Site. Land use at all adjacent properties does not appear to have changed significantly over the years and does not appear to have impacted the environmental conditions of the USAR Center.

5.0 REVIEW OF REGULATORY INFORMATION

A component of the ECP is the review of all reasonably obtainable federal, state, and local government records for the Site and surrounding properties, where there has been a release or likely release of any hazardous substance or any petroleum product, and which is likely to cause or contribute to a release or threatened release of any hazardous substance or any petroleum product on the Federal real property. A regulatory database summary was acquired from EDR on August 30, 2006. The regulatory database summary consolidates standard federal, state, local, and tribal environmental record sources based on ASTM recommended minimum search distances from the Site. A copy of the complete EDR report is included in Appendix E.

5.1 FEDERAL ENVIRONMENTAL RECORDS

5.1.1 Federal NPL Sites within 1.0-Mile

The National Priorities List (NPL) record is a USEPA registry of the nation's worst uncontrolled or abandoned hazardous waste sites. NPL sites are targeted for long-term remedial action under CERCLA. According to the EDR report, the USAR Center is not a NPL site and there are no such sites located within 1-mile of the Site.

5.1.2 Federal CERCLIS Sites within ½-Mile

The CERCLA 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 CERCLA. CERCLIS contains sites that are either proposed to be or are on the NPL and sites that are in the screening and assessment phase for possible inclusion on the NPL. According to the EDR report, the USAR Center is not a CERCLIS site and there are no CERCLIS sites located within a ½-mile of the Site.

5.1.3 RCRA Corrective Action (CORRACTS) Sites within 1.0-Mile

Resource Conservation and Recovery Act (RCRA) Corrective Action (CORRACTS) sites represent facilities that have generated or managed hazardous wastes and require corrective action. According to the EDR report, the USAR Center is not a CORRACTS site. No CORRACTS sites were identified within 1-mile of the Site.

5.1.4 RCRA Transport, Treat, Store, and/or Disposal Sites within ½-Mile

The RCRA Information System (RCRIS) includes selective information on sites that generate, transport, treat, store, and/or dispose (TSD) of hazardous waste as defined by RCRA. According to the EDR report, the USAR Center is not a RCRIS-TSD site and there are no such sites located within ½-mile of the USAR Center.

5.1.5 Federal RCRA Small and Large Quantity Generators List within ¼-Mile

Conditionally exempt small quantity generators are defined as facilities generating less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. RCRA small quantity generators are defined as facilities generating between 100 kg and 1,000 kg of hazardous waste per month, while a large quantity generator is defined as a facility generating more than 1,000 kg of hazardous waste, or over 1 kg of acutely hazardous waste per month. The Site is neither a small or large quantity generator.

One RCRA-registered small quantity generator, Air Products and Chemicals, Inc. is located within ¼-mile of the Site, approximately 1320-feet northwest of the subject USAR Center. A total of three violations were received by Air Products in the early 1990's. No monetary penalties were associated with the violations. No large quantity generators are situated within ¼-mile of the Site.

5.1.6 Federal Emergency Response Notification System (ERNS) List

The ERNS List provides information on reported releases of oil and hazardous substances. According to the EDR report, the USAR Center is not on this notification list.

5.2 STATE AND LOCAL ENVIRONMENTAL RECORDS

The regulatory information presented below was obtained from the EDR regulatory database search report. Supplemental information was also provided from database searches via the Commonwealth of Kentucky's online utility.

5.2.1 State-Registered Landfills or Solid Waste Disposal Sites within ½-Mile

There are a total of four solid waste facilities located with ½ -1 mile of the Site. Table 2 presents a summary of the four facilities. According to the EDR report, one Kentucky superfund site is located within ½ - 1 mile of the Site. Paducah Drums 2 is closed and remediated. No further action is required at the site. There is minimal likelihood of impact to the Site from this facility. The facility is not listed on any other federal, state, or local environmental databases searched during the data gathering process.

There are no solid waste landfills or incinerators within ½-mile of the USAR Center. There is one solid waste transfer station located within ½-mile of the Site, which is the Paducah Transfer Station. This station had a petroleum spill that has been remediated. There is minimal likelihood of impact to the Site from this facility. The transfer station is currently operating.

According to the EDR report's list of orphaned sites, two solid waste facilities are located within ½ -1 mile of the USAR Center. One facility is the waste water treatment plant for the City of Paducah and McCracken County. The other is the composting facility for the City. These facilities are not listed on any other federal, state, or local environmental databases searched during the data gathering process.

The Site does not have a solid waste landfill, incinerator, or transfer station within the property boundary.

TABLE 2 Solid Waste Facilities					
Company/Site	Address	Distance and Direction from Site	Database	Status	Elevation Relation to Site
Paducah Drums 2	500 North 12 th Street, Paducah, Kentucky 42001	Approximately 5170 feet east-southeast	SHWS	Closed and Restored	Equal
Paducah Transfer Station	829 Burnett Street, Paducah, Kentucky 42001	Approximately 4477 feet east	SHWS SWF/LF HIST LF	Active and Restored	Equal
Paducah Solid Waste Composting Facility	1560 North 8 th Street, Paducah, Kentucky 42001	Approximately 2884 feet north-north east	SWF/LF	Active	Lower
Paducah McCracken Joint Sewer Agency	621 Northview Street, Paducah, Kentucky 42001	Approximately 3636 feet north-north east	SWF/LF	Active	Lower

5.2.2 State-Registered Leaking UST (LUST) Sites within ½-Mile

According to the EDR report and Kentucky UST Branch, there are no leaking USTs within ½-mile of the site.

5.2.3 State-Registered UST Sites within ¼-Mile

According to the EDR report and Kentucky UST Branch, three UST sites were identified within ¼-mile of the USAR Center. Table 3 lists the sites along with their addresses and elevations relative to the Site. The Site itself is not listed in the State UST database.

The USTs from each of the sites have been removed and the sites were granted no further action under Kentucky’s Corrective Action guidance document. None of the properties are considered to present an environmental risk to the USAR Center.

TABLE 3 Underground Storage Tank Sites					
Company/Site	Address	Distance and Direction from Site	Tank Status	Closure Status	Elevation Relation to Site
Distributors Warehouse	1900 North 10 th Street, Paducah, Kentucky 42001	Approximately 926 feet north-northeast	Removed	NFA	Lower
Air Products & Chemicals	2020 North 10 th Street, Paducah, Kentucky 42001	Approximately 973 feet north	Removed	NFA	Lower
Treads Auto Store	1221 North H.C. Mathis Drive, Paducah, Kentucky 42001	Approximately 1174 feet west-northwest	Removed	NFA	Equal

5.2.4 State Spills Incidents (KY Spills)

According to the Kentucky Emergency Response Team, the USAR Center has not had any reportable spills or releases.

5.2.5 Records of Contaminated Public Wells

According to the EDR report, no state registered contaminated public wells are located within 1-mile of the USAR Center.

5.2.6 Voluntary Action Program Sites within ½-Mile

According to the EDR report, no state registered voluntary action program sites are located within ½-mile of the USAR Center.

5.2.7 State Brownfields Program Sites within ½-Mile

According to the EDR report, no state registered Brownfield Program Sites are located within ½-mile of the USAR Center.

5.2.8 State-Registered Sites with Engineering Controls within ½-Mile

According to the EDR report, no state registered sites requiring engineering land use controls are located within ½-mile of the USAR Center.

5.2.9 State-Registered Sites with Institutional Engineering Controls within ½-Mile

According to the EDR report, no state registered sites requiring institutional engineering land use controls are located within ½-mile of the USAR Center.

5.2.10 State-Registered Drycleaning Facilities within ¼-Mile

According to the EDR report, no dry cleaning facilities are located within ¼-mile of the USAR Center.

5.2.11 Manufactured Gas Plant Sites within 1-Mile

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 U.S. from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. There were no manufactured gas plant sites identified within 1-mile of the Site.

5.3 TRIBAL ENVIRONMENTAL RECORDS

The regulatory information presented below was obtained from the EDR regulatory database search report.

5.3.1 Registered Indian Reservations within 1-Mile

According to the EDR report, no designated Indian Reservations are located within 1-mile of the USAR Center.

5.4 UNMAPPED SITES

The EDR database search yielded 27 unmapped sites. Unmapped sites are those with insufficient address information such that they can only be identified as within the zip

code of the target property. Every effort was made to locate these sites and assess their relevance to this ECP report. Further research was conducted using the mapping utility provided at <http://www.maps.google.com>, <http://www.mapquest.com>, google earth, and <http://www.whitepages.com>. The locations of all orphaned sites were identified and mapped. Two of the sites, Paducah McCracken Joint Sewer Agency and Paducah Solid Waste Composting, are located within corresponding ASTM search radius distance for solid waste facilities.

5.5 SUMMARY OF PROPERTIES EVALUATED TO DETERMINE RISK TO THE SITE

To summarize Subsections 5.1 through 5.3, seven separate properties, in addition to the USAR Center, were evaluated as potential risk properties to the Site. The properties evaluated were identified as a result of information obtained during area reconnaissance and regulatory database searches and are listed below in Table 4.

TABLE 4 PROPERTIES EVALUATED FOR POTENTIAL ENVIRONMENTAL RISKS				
Company/Site	Database	Elevation in Regards to Site	Potential Risk to Site?	Comment
Paducah Drums 2	SHWS	Equal	No	Site restored. NFA.
Paducah Transfer Station	SHWS SWF/LF HIST LF	Equal	Active	Petroleum spill remediated.
Paducah Solid Waste Composting Facility	SWF/LF	Lower	Active	Lower
Paducah McCracken Joint Sewer Agency	SWF/LF	Lower	Active	Lower
Distributors Warehouse	UST	Lower	Active	UST received NFA.
Air Products & Chemicals	UST RCRA Small Quantity Generator	Lower	Active	UST received NFA. RCRA violations resolved.
Treads Auto Store	UST	Equal	Active	UST received NFA.

Based on an evaluation of available site information and details concerning the properties listed in Table 4, none of the facilities evaluated are classified as “High Risk” to the Site. “High Risk” properties are those that exhibit significant environmental conditions that have the probability of adversely affecting the environmental conditions at another site.

6.0 SITE INVESTIGATION AND REVIEW OF HAZARDS

Findings documented in the following subsections are based on the August 1, 2006 site visit and area reconnaissance, a review of available site records, and information obtained from U.S. Army Reserve personnel.

6.1 UNDERGROUND/ABOVEGROUND STORAGE TANKS (USTs/ASTs)

There is no evidence that USTs or ASTs have historically existed on Site or are currently present on Site.

6.2 INVENTORY OF CHEMICALS / HAZARDOUS SUBSTANCES

At the time of the Site visit, the Main building contained a maintenance supply closet with various cleaning agents, paints, paint thinner, oils, etc. (Photographs No. 22 and No. 23 Appendix B). According to site personnel, there is a 55-gallon drum for the storage of paints and oils for maintenance purposes. The above mentioned container was not observed at the time of the site visit.

6.3 WASTE DISPOSAL SITES

There were no signs of landfilling or illegal waste disposal activities at the Site during the August 2006 site visit.

6.4 PITS, SUMPS, DRYWELLS, AND CATCH BASINS

No pits, sumps, drywells, or catch basins are located on the Site. However, the Site has a septic tank for the wastewater discharges from the facility, which includes non-process wastewater (bathrooms, sinks, etc.).

Storm water sheet flows towards ditches located along the eastern and northern property edge, and also toward the western edge of the main building.

6.5 ASBESTOS-CONTAINING MATERIAL (ACM)

An asbestos survey, conducted as part of the *Asbestos Inspection Report* prepared by EEG, Inc. in November 2001, assumed the presence of ACM in the 9" floor tile and associated mastic in the Main building. Appendix D provides a copy of the survey. The 9 in. tile has subsequently been covered with non-asbestos 12" floor tile.

Based on interviews with site personnel and documentation, a boiler was removed in 2001, which had asbestos insulation on the pipes. The room was sealed and proper asbestos removal techniques were utilized.

6.6 POLYCHLORINATED BIPHENYL CONTAINING EQUIPMENT

No transformers were observed on the property during the August 2006 site visit.

During the August 2006 site visit, fluorescent light fixtures were observed in the Main building. Older fixtures could potentially contain polychlorinated biphenyls (PCBs). However, all the fixtures were replaced in 2003, and as such, do not contain PCBs.

6.7 LEAD

EEG, Inc. completed a LBP survey in 2004. The survey concluded that LBP is present on the interior door casings and porch ceiling. During the August 1, 2006 site visit, painted surfaces in the building were observed to be in good condition.

6.8 RADON

A radon analysis was conducted at the site. Based on the sampling results, no locations sampled exhibited radon levels above USEPA's recommended maximum allowable exposure level of 4 pCi/l.

6.9 MUNITIONS AND EXPLOSIVES OF CONCERN (MEC)

No indications were found during the August 2006 site visit or during the review of records to indicate the current or past presence of MEC at the Site, which includes unexploded ordnance.

6.10 RADIOACTIVE MATERIALS

During the August 2006 site visit and records review process, a chemical agent monitor containing a radiological source was found in storage at the USAR Center. This will be removed prior to vacating the building. No reference or inspections with regards to this equipment was noted in any documentation.

7.0 REVIEW OF SPECIAL RESOURCES

7.1 LAND USE

Figure 10 in Appendix A provides a 2004 aerial photograph of the USAR Center and surrounding properties and depicts current land use. According to the City of Paducah Planning and Zoning, the Site is zoned B3 – general business zone. The site is located in a mixed-use area that combines commercial, industrial, and residential land uses.

7.2 COASTAL ZONE MANAGEMENT

The Commonwealth of Kentucky does not have a Coastal Zone Management program.

7.3 WETLANDS

According to the U.S. Fish and Wildlife Service National Wetlands Inventory map, no jurisdictional wetland areas are identified on the site or adjacent properties. The nearest wetlands are located less than 1-mile of the Site. Figure 11 in Appendix A provides a map of wetlands in the immediate vicinity of the Site.

7.4 100-YEAR FLOOD PLAIN

A review of the FEMA digital Flood Hazard Area map indicates that the Site lies outside the 100-year and 500-year floodplains. Figure 5 in Appendix A provides a map of the flood plain elevations located in the immediate vicinity of the Site.

7.5 NATURAL RESOURCES

Based on the developed nature of the site, small size, and lack of sensitive natural resources, no specific natural resources management activities are recommended for this Site.

7.6 CULTURAL RESOURCES

An Intensive Architectural Survey of Selected Facilities was prepared for the 81st RRC by Brockington and Associates, Inc. The purpose of the survey and subsequent report was to inventory eighteen properties controlled or leased by the 81st RRC in the states of Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, and Tennessee. Historical information, setting and landscape, cultural resources, security, architectural information, and structure descriptions are included for each property. Each site was also assessed for its eligibility to the NRHP. Overall, neither the building nor the picnic pavilion at the Site was found to meet the criteria for inclusion in the NRHP. Appendix D provides a copy of the survey report.

7.7 OTHER SPECIAL RESOURCES

As reported in the National Wild and Scenic Rivers (WSR) System, there is one federally designated WSR within the Commonwealth of Kentucky, which is the Red River. Portions of nine rivers of exceptional quality and aesthetic character have been designated by the Kentucky General Assembly as Kentucky Wild Rivers: Bad Branch, Cumberland River, Green River, Red River, Little South Fork Cumberland River, Big South Fork Cumberland River, Rockcastle River, Rock Creek, Martin's Fork. The nearest Kentucky Wild River (the Green River) is approximately 140 miles to the east. Based on the location of the Kentucky Wild Rivers and historical activities conducted at the USAR Center, no activities conducted at the Site would adversely impact the designated Kentucky Wild Rivers.

8.0 CONCLUSIONS

GEO Consultants, LLC, under contract to the USACE Louisville District has prepared this ECP report for the USAR Center (KY064), hereafter referred to as the "Site" or "USAR Center". The Site is located at 2001 North 12th Street, Paducah, McCracken County, Kentucky. KY064 consists of one main building and a picnic pavilion. The USAR Center is currently occupied by the Army Reserve Medical Command 936 and 933 units. The Site has served as an USAR Center since the U.S. Navy transferred the property to the U.S. Army in 1978. The Site has primarily functioned as an administrative, logistic, and educational facility.

Findings of this ECP are based on existing environmental information, including visual observations, site records, federal, state, and local database and file information, related to the storage, release, treatment, or disposal of hazardous substances or petroleum products or derivatives on the property. The following paragraphs present the findings related to areas of potential environmental concern that were evaluated during the ECP process.

- **Use & Storage of CERCLA Hazardous Substances** - Chemicals containing CERCLA hazardous substances would have been used and stored at the Site in amounts necessary to support unit-level building maintenance activities. However, the quantities stored would not have exceeded corresponding CERCLA threshold planning quantities. There is no evidence that the chemicals used or stored were ever improperly handled, released, or disposed at the Site. Therefore, it is not believed that the past use and storage of hazardous substances have negatively impacted environmental conditions at the Site.
- **Petroleum Product Storage** – No USTs or ASTs have historically been located on Site or are currently located on Site.
- **Wash Water Discharge** – No vehicle washing occurred at this site.
- **PCB Transformers** – No transformers are located on the subject property.
- **PCB Equipment** - PCBs may be contained in light ballasts in older type light fixtures. However, all ballasts at the Site were retrofitted in 2003 and do not contain PCBs.
- **Asbestos** – A 2001 asbestos survey prepared by EEG, Inc. assumed the presence of non-friable ACM in the Main building in the 9 in. floor tile and associated mastic. The assumed ACM floor tile has subsequently been covered with new, non-ACM flooring.
- **LBP** - In 2004, EEG, Inc. performed a LBP Survey of the Main building. The survey concluded that LBP is present on the interior door casings and porch ceiling.

During the August 1, 2006 site visit, painted surfaces in the building were observed to be in good condition.

- **Radon** – Radon analysis was conducted at this site. Based on the sampling results, no locations sampled exhibited radon levels above USEPA’s recommended maximum allowable exposure level of 4 pCi/l of air.
- **Munitions and Explosives of Concern** - No indications were found during the August 2006 Site visit or records review process of the current or past presence of MEC at the Site, which includes unexploded ordnance.
- **Radiological Materials** – There is no evidence of any release of radiological materials at the Site. Photograph No. 25 in Appendix B is a chemical agent monitor (CAM) found in one of the Site’s store rooms. The CAM has a radioactive source and is marked as such on the outside. This piece of equipment will be moved with the unit or turned into the Defense Reutilization and Marketing Organization prior to the building being vacated.
- **Nearby Properties** - Potential environmental sites of concern, located within corresponding ASTM search radius distances from the Site, were evaluated. None of the properties evaluated are considered high risk to the Site. “High Risk” properties are those that exhibit environmental conditions that have the probability of adversely affecting the environmental conditions at another site.

In accordance with DoD policy as previously summarized in Section 1.1 of this ECP, the Site has been classified as Category 1, an area or parcel of real property where no release, or disposal of hazardous substances or petroleum products or their derivatives has occurred (including no migration of these substances from adjacent properties).

9.0 REFERENCES

Persons Contacted

- Mr. Daniel Frazier, Unit Administrator, Paducah #2 USAR Center, 81st Regional Readiness Command, (270) 443-4421
- Ms. Kristie Welch, Area 1 Environmental Manager, Contractor (J. M. Waller Associates) (615) 231-4268
- Michael O'Steen, Senior Facility Manager, 81st Regional Readiness Command, (205) 912-6950
- Lenard Gunnell, U.S. Army Corps of Engineers, (502) 315-6317

Resources Consulted

- Aerial Photographs provided by Soil Conservation District of McCracken County, Terraserver, U.S. Geological Society and Global Explorer dated 1971, 1998, and 2004.
- National Wild and Scenic Rivers, <http://www.nps.gov/rivers/wildriverslist.html#ky>
- USEPA Map of Radon Zones, <http://www.epa.gov/radon/zonemap.html>
- FEMA Flood Hazard Insurance Map, <http://msc.fema.gov/webapp/wcs/stores/servlet/MapSearchResult?storeId=10001&catalogId=10001&langId=-1&userType=G&panellDs=2101520002D&Type=pbp&nonprinted=&unmapped=>
- 100th Division USAR Center http://www.armyreserve.army.mil/USARC/DIV-IT/0100DIV-IT/0100_DIV-IT_Overview.htm
- Memorandum dated June 30, 1993 from Headquarters, 125th Division U.S. Army Reserve Command.
- US Army Reserve Center Asbestos Inspection Report Paducah-2, KY, Environmental Enterprise Group, Inc., 2001.
- Asbestos Abatement Submittal, Astrid Contract Technical Services, Inc., Paducah USAR Center #2, 2001 North 12th Street, Paducah, KY 42002, 2001.
- Lead-Based Paint Survey Report, United States Army Reserve Center, 2001 North 12th Street, Paducah, Kentucky, Environmental Enterprise Group, Inc., March 2004.
- 2004 Intensive Architectural Survey of Selected Facilities, 81st Regional Support Command Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, and Tennessee, Final Report, Brockington and Associates, Inc., 2004.
- Federal Regulatory Databases
 - National Priorities List (NPL), April 19, 2006
 - Proposed NPL Sites, April 19, 2006
 - Delisted NPL Sites, April 19, 2006
 - Federal Superfund Liens (NPL Liens), October 15, 1991

-
- Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS), June 19, 2006
 - CERCLIS No Further Remedial Action Planned Sites (NFRAP), February 1, 2006
 - Resource Conservation and Recovery Information System (RCRIS) Corrective Action Sites (CORRACTS), March 15, 2006
 - Resource Conservation and Recovery Act Information (RCRA), June 13, 2006
 - Emergency Response Notification System (ERNS), December 31, 2005
 - Engineering Controls Sites List (US ENG CONTROLS), March 21, 2006
 - Institutional Controls Sites List (US INST CONTROLS), March 21, 2006
 - Hazardous Materials Information Reporting System (HMIRS), July 3, 2006
 - Listing of Brownfields Sites, April 26, 2006
 - Superfund Consent Decrees, December 14, 2004
 - Records of Decision (ROD), March 13, 2006
 - Department of Defense Sites, December 31, 2004
 - Formerly Used Defense Sites (FUDS), December 5, 2005
 - Uranium Mill Tailings Sites, November 4, 2005
 - Open Dump Inventory (ODI), June 30, 1985
 - Toxic Chemical Release Inventory System (TRIS), December 31, 2004
 - Toxic Substances Control Act (TSCA), December 31, 2002
 - FIFRA/TSCA Tracking System, March 29, 2006
 - FTTS INSP, March 31, 2006
 - Section 7 Tracking Systems (SSTS), December 31, 2004
 - Integrated Compliance Information System (ICIS), February 13, 2006
 - PCB Activity Database System (PADS), December 27, 2005
 - Material Licensing Tracking System (MLTS), April 12, 2006
 - Mines Master Index File (MINES), May 16, 2006
 - Facility Index System/Facility Registry System (FINDS), April 27, 2006
 - RCRA Administrative Action Tracking System (RAATS), April 17, 1995
 - Biennial Reporting System (BRS), December 31, 2003
 - State and Local Regulatory Databases
 - Master Sites List, June 28, 2006
 - Licensed Solid Waste Facilities, June 15, 2006
 - Historic Landfill, May 1, 2003
 - SB193 Branch Site Inventory List (SB193), May 25, 2006
 - Underground Storage Tank File, July 11, 2006
 - Sites with Institutional Engineering Controls, June 20, 2006
 - Voluntary Action Program Sites, December 28, 2004
 - Drycleaner Facility Listing, March 28, 2006

- Urban Setting Designations Database, May 10, 2005
- National Pollutants Discharge Elimination System (NPDES), May 30, 2006
- Environmental Lead Program (LEAD), April 19, 2006
- Tribal Records
 - Indian Reservations, December 31, 2004

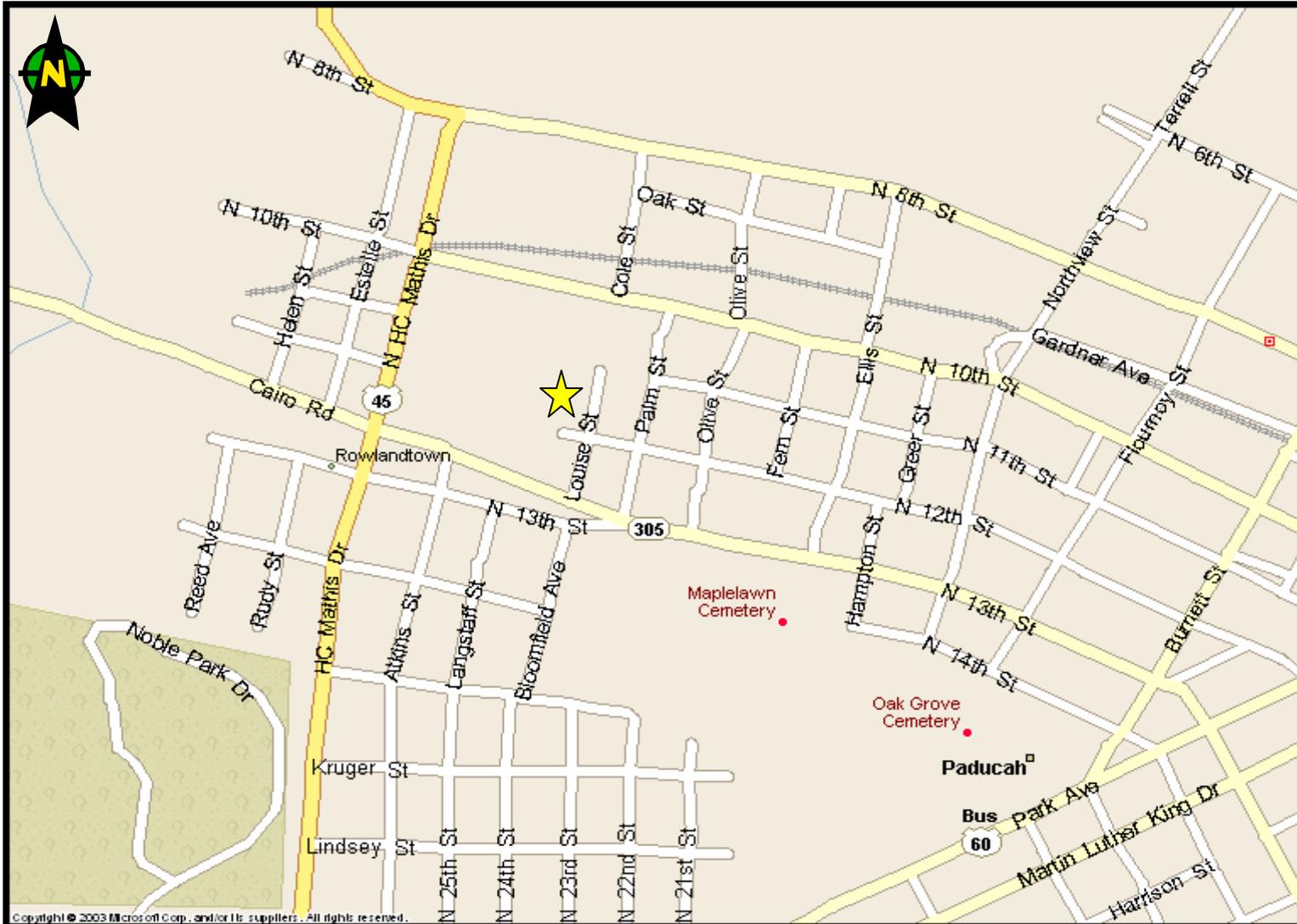
Agencies Contacted

- Kentucky Division of Waste Management Underground Storage Tank Branch
- Paducah McCracken Joint Sewer Agency
- City of Paducah Planning Department Zoning Division
- Kentucky Division of Waste Management Superfund Program
- Paducah Power
- Paducah Water Works
- Paducah Property Valuation Administration
- McCracken County Court Clerk

APPENDICES

APPENDIX A

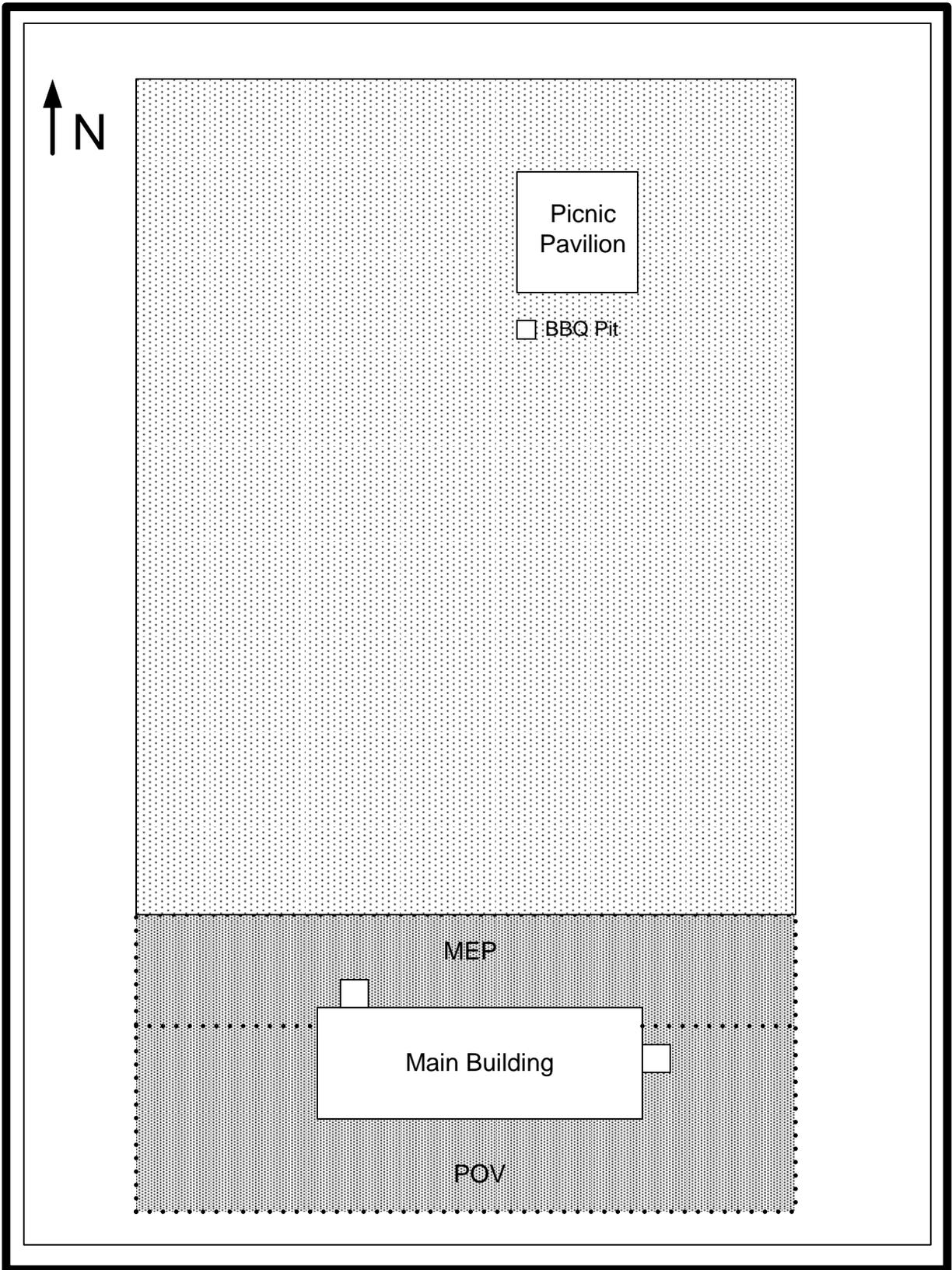
FIGURES



2004 Microsoft Streets & Trips

★ Site

Figure 1
General Sites Location Map
USARC Paducah #2 (KY064)
Paducah, Kentucky



Legend	
	Asphalt
	Grass
	Fence

Figure 2
 Site Layout
 USARC Paducah #2 KY064
 Paducah, Kentucky

Not to Scale

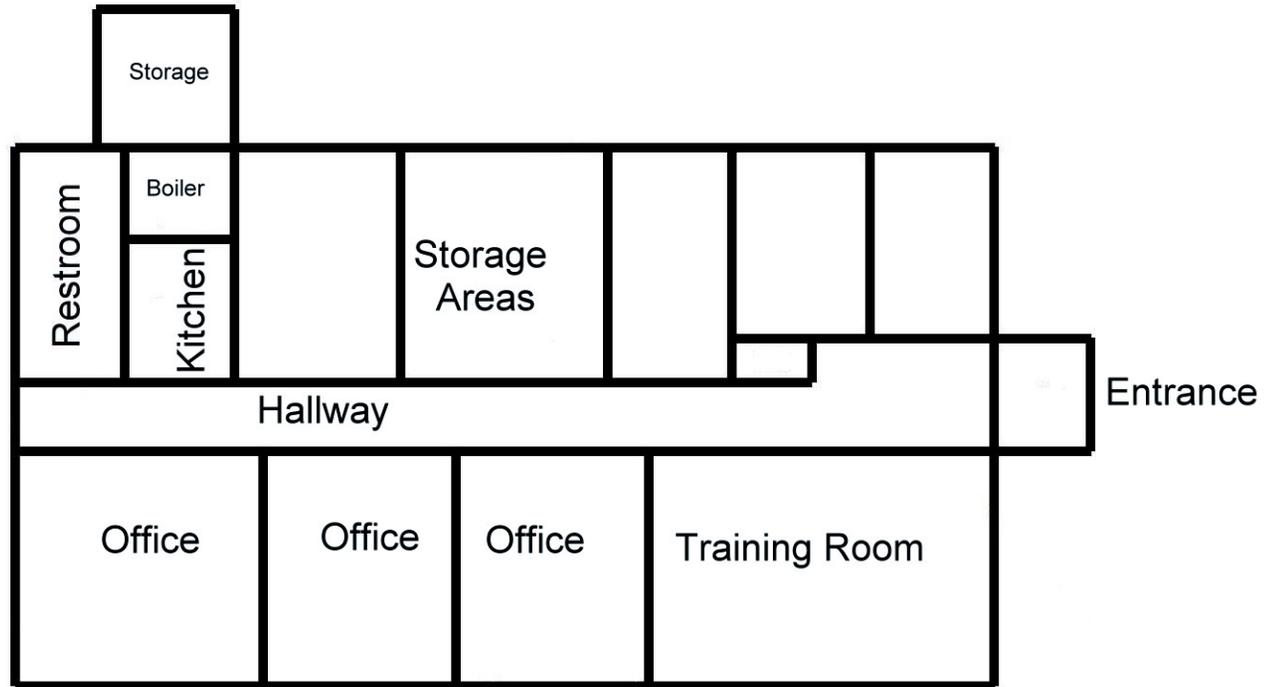
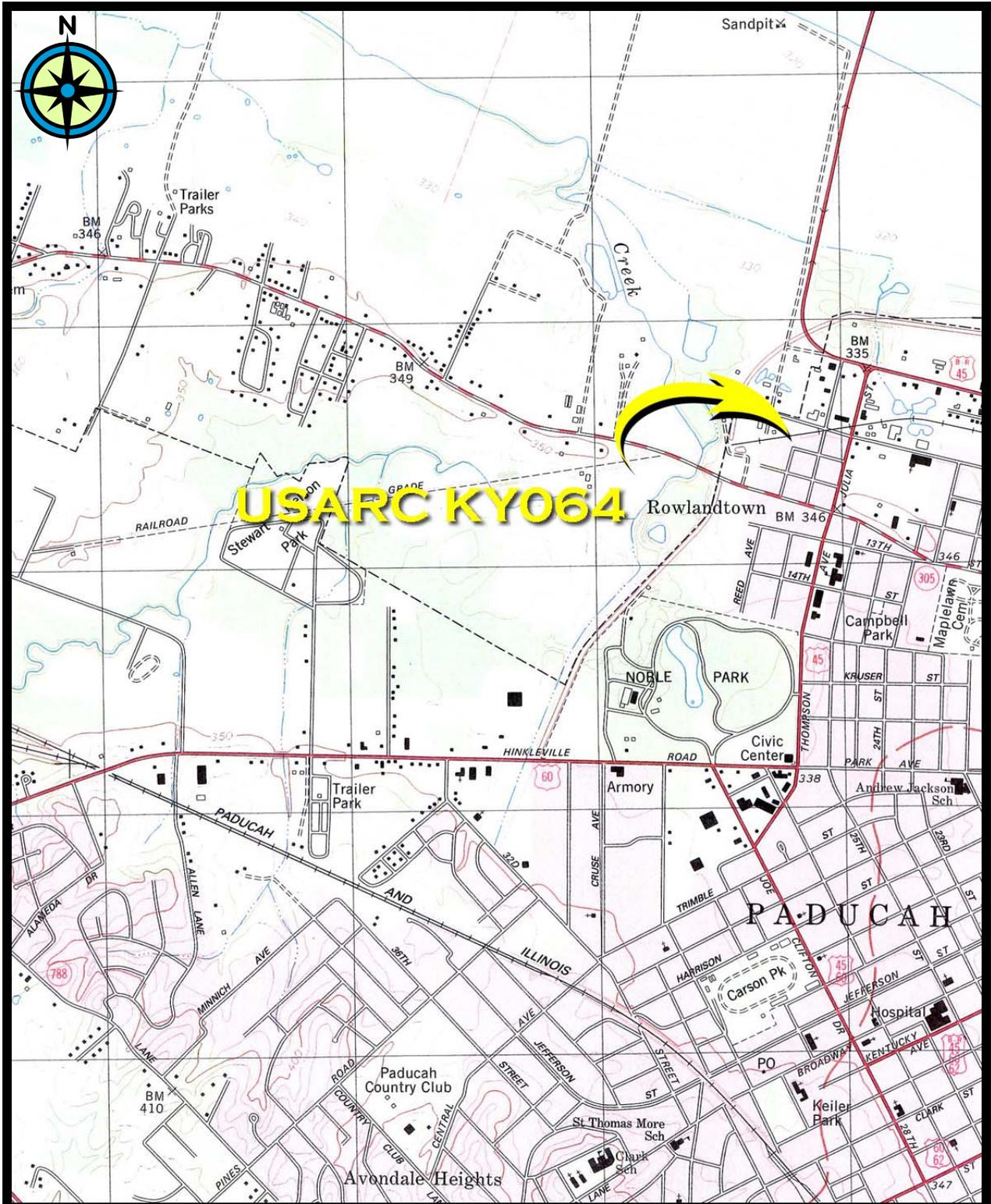


Figure 3
Interior Layout of Main Building
USARC KY064

NOT TO SCALE

Date 11-25-2006



Legend

Quad: Paducah West
 Minute Series: 7.5
 Scale: 1:24,000

Figure 4
1982 Topographical Map
USARC Paducah #2
KY064
Paducah Kentucky

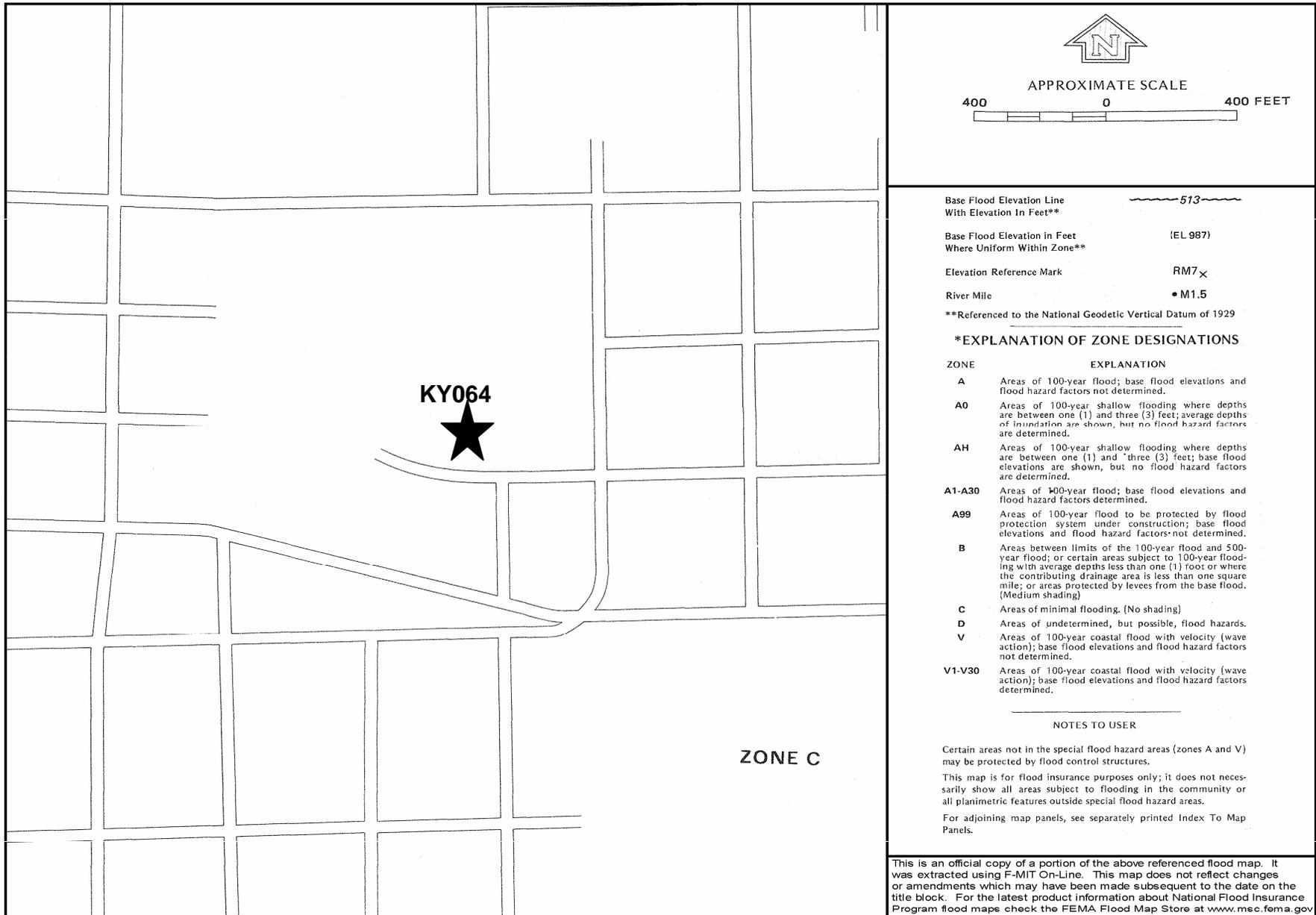
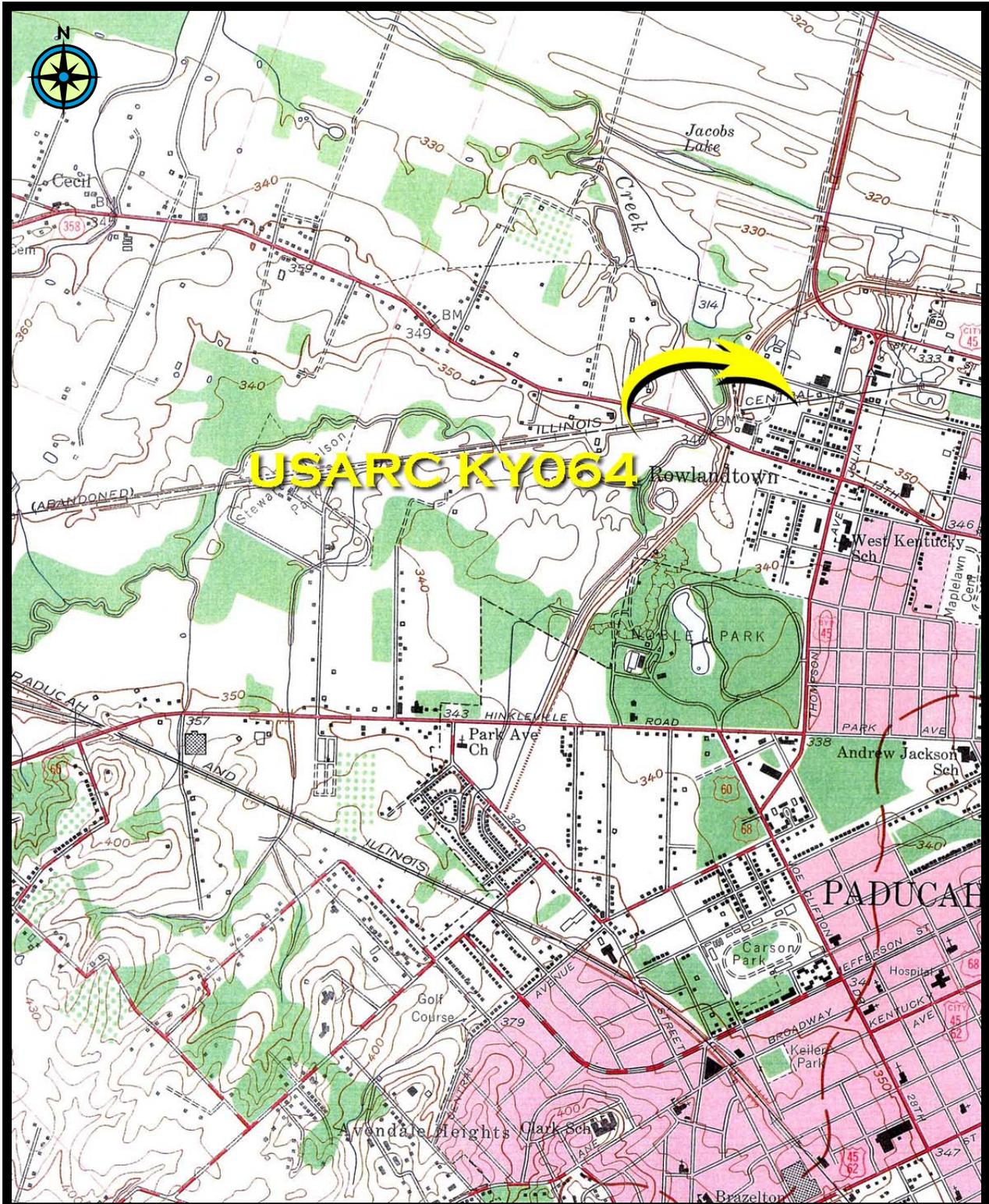


Figure Courtesy of FEMA Online
Panel 2101520002D
Effective 2-12-1982

Figure 5
1982 FEMA Map
USARC Paducah #2 KY064

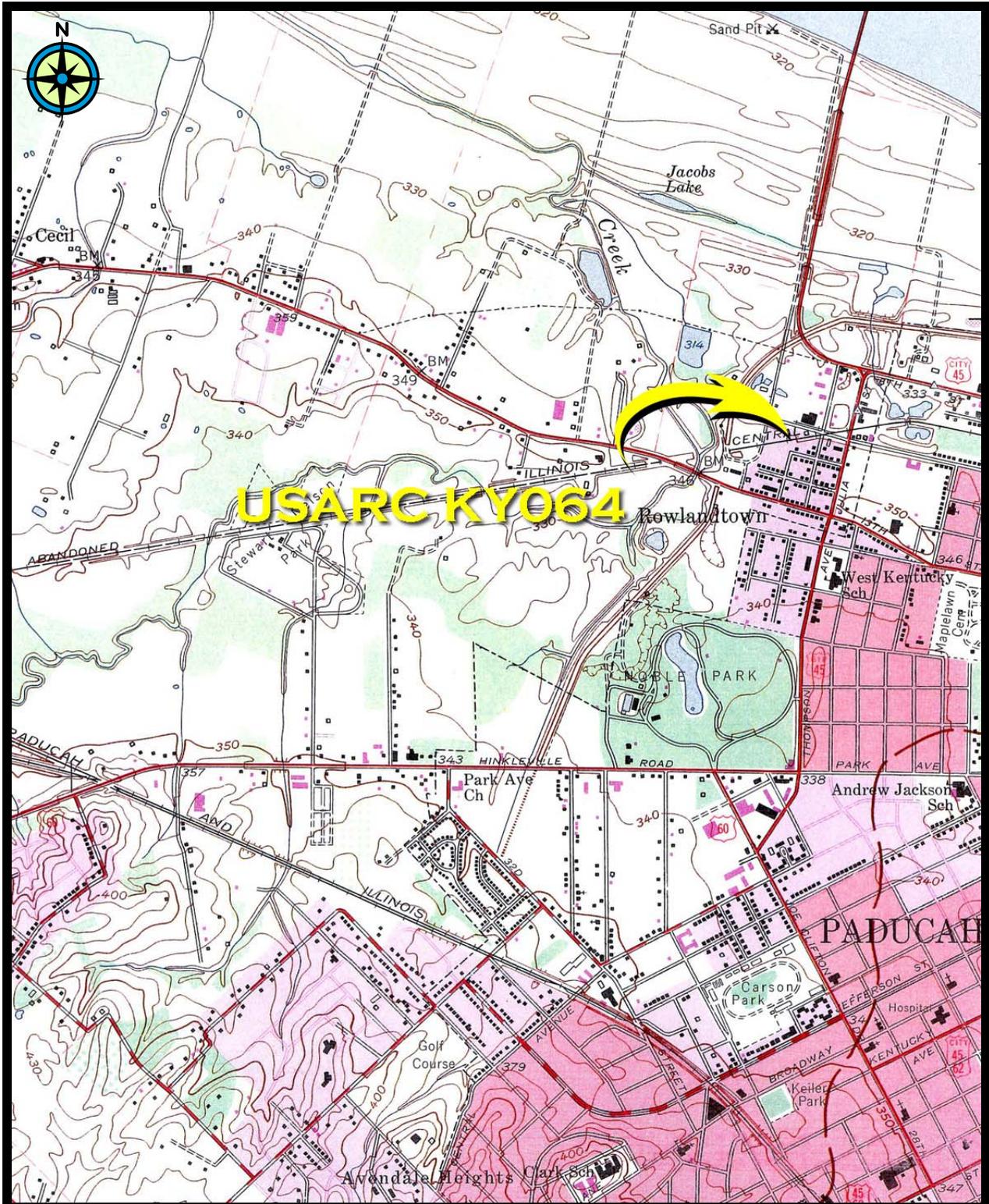


Legend

Quad: Paducah West
 Minute Series: 7.5
 Scale: 1:24,000

Figure 6

**1958 Topographical Map
 USARC Paducah #2 KY064
 Paducah, Kentucky**



Legend

Quad: Paducah West
 Minute Series: 7.5
 Scale: 1:24,000

Figure 7

**1968 Topographical Map
 USARC Paducah #2 KY064
 Paducah, Kentucky**

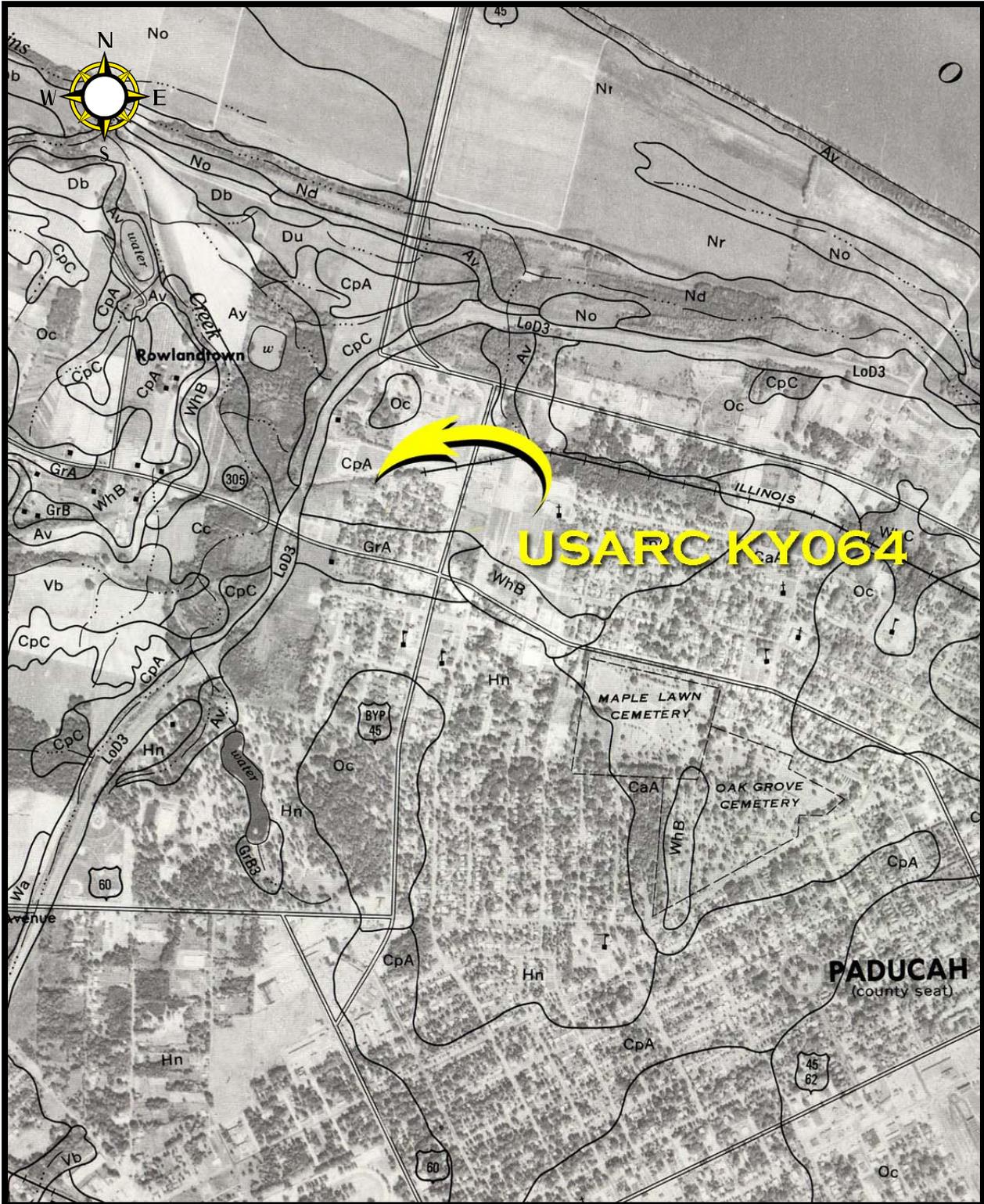


Photo courtesy of
Soil Conservation
District of McCracken County

Figure 8
1971 Aerial Photo
USARC Paducah #2 KY064
Paducah, Kentucky

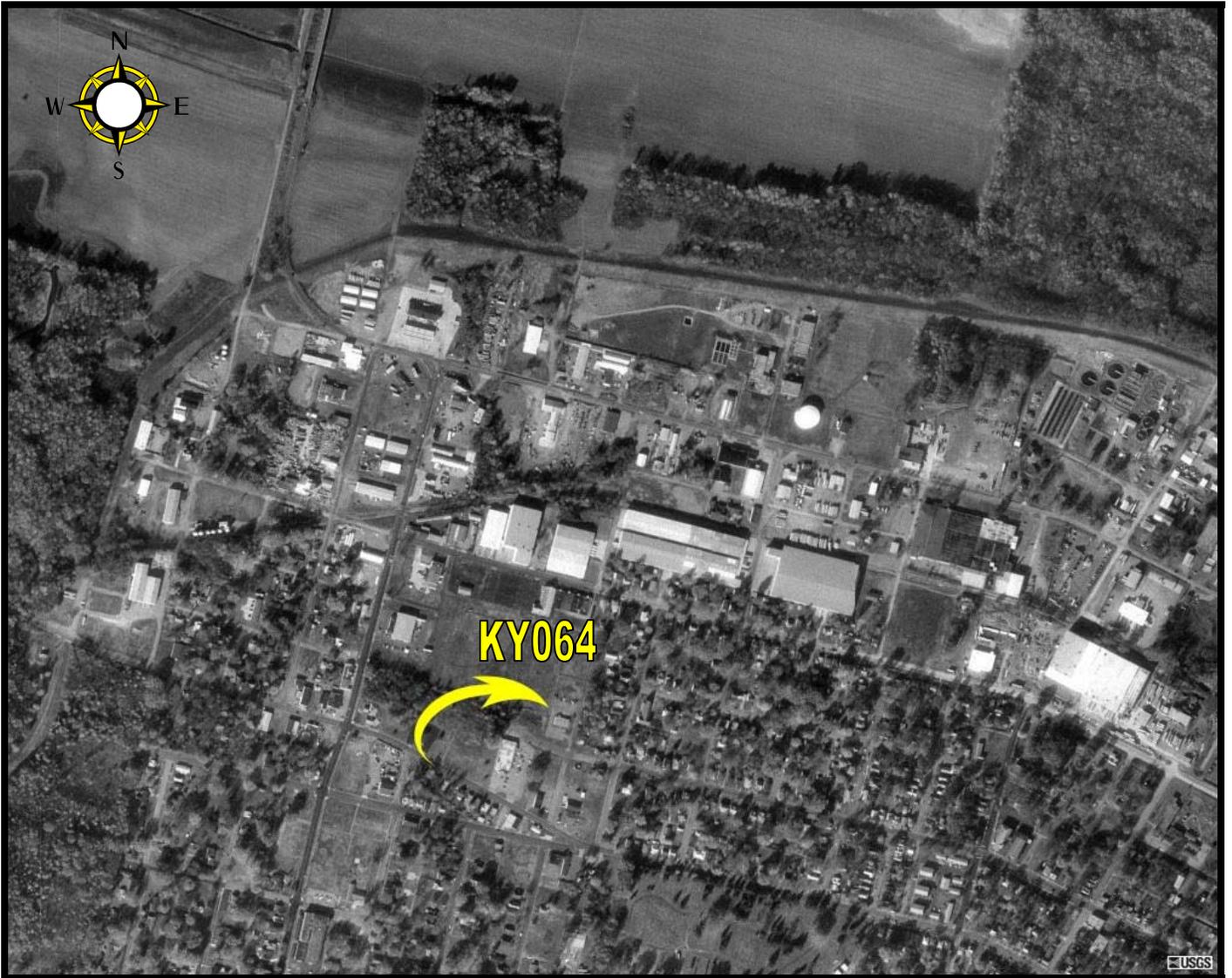


Photo Courtesy of Terraserver

Figure 9
1998 Aerial Photograph
USARC Paducah #2 KY064
Paducah, Kentucky



Photo Courtesy of Global Explorer

Figure 10
2004 Aerial Photo
Paducah #2 USARC KY064
Paducah, Kentucky

Figure 11 USARC Paducah #2 KY064



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

Map center: 37° 5' 27" N, 88° 37' 32" W



Scale: 1:36,159

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.

APPENDIX B

SITE RECONNAISSANCE PHOTOGRAPHS



Photograph #1
View Looking North
Main Building



Photograph #2
Sign Outside Facility



Photograph #3
View Looking South
West End and Back of Main Building,



Photograph #4
View looking South East
Privately Owned Vehicle Parking Lot



Photograph #5
View Looking North
Open Field, Picnic Pavilion, and Church



Photograph #6
View Looking South
Picnic Pavilion



Photograph #7
View of Barbeque Pit and Distressed Vegetation Due to Weed Killer



Photograph #8
View looking North West
Field



Photograph #9
View looking West



Photograph #10
View looking West from 12th Street
St. Vincent de Paul Budget Store



Photograph #11
View looking East from Corner of 12th and Palm Street



Photograph #12
View looking East from MEP
Behind Main Building



Photograph #13
View of MEP Area, Rear of Main Building



Photograph #14
View Looking East
POV Area



Photograph #15
View of Connex



Photograph #16
View of Condensate Drain
West Side of Main Building



Photograph #17
View of Interior Hall of Main Building, West



Photograph #18
Instructional Room



Photograph #19
View Medical Supply Storage



Photograph #20
View of Administrative Office



Photograph #21
View Medical Supply Storage



Photograph #22
Maintenance Supply Closet with Flammable Cabinet



Photograph #23
Interior of Flammable Cabinet



Photograph #24
View of Paint Thinner and Paints

APPENDIX C

PROPERTY ACQUISITION DOCUMENTS & CHAIN OF TITLE REPORT

TRANSFER AND ACCEPTANCE OF MILITARY REAL PROPERTY

1. FROM: (Installation/Activity/Service) Commander, Atlantic Division, Naval Facilities Engineering Command, Norfolk, Va. 23511		2. OPERATING UNIT 62470	3. DISTRICT CODE 05	4. OPERATING AGENCY 25	5. DATE	6. JOB NUMBER N/A	7. SERIAL NUMBER N/A	8. CONTRACT NUMBER N/A	
9. TO: (Installation/Activity/Service) District Engineer, Baltimore District, U.S. Army Corps of Engineers, Baltimore, Maryland 21203		10. OPERATING UNIT	11. DISTRICT CODE	12. OPERATING AGENCY	13. AC- COUNTING NUMBER	14. AC- COUNT- ABLE OFFICE NUMBER	15. TYPE OF TRANSACTION <input type="checkbox"/> NEW CONSTR. <input type="checkbox"/> BENF/O <input checked="" type="checkbox"/> EXISTING FAC. <input type="checkbox"/> PHYSICAL COM. <input type="checkbox"/> CAPITAL IMP. <input type="checkbox"/> FINAN. COM. <input type="checkbox"/> OTHER (Specify) <input checked="" type="checkbox"/> OTHER (Specify) transfer		16. PROJECT NUMBER

ITEM NO.	CATEGORY CODE	FACILITY (Category description)	NO. OF UNITS	TYPE	UNIT OF MEAS.	TOTAL QUANTITY	COST	DRAWING NUMBERS	REMARKS
17	18	19	20	21	22	23	24	25	26
1.	911-40	<u>CLASS I</u> Land/Acq. Condemnation			AC	2.72	\$4,375.00		<u>STRUCTURE NO.</u>
2.	171-15	<u>CLASS II</u> Training Building Reserve	1	P	SF	3,198	\$53,441.00		1
3.	132-10	Communications Antenna	2	SP	EA	2	\$ 3,420.00		3&4
4.	824-10	Gas Pipe Line	1	P	LF	219.5	\$ 450.00		N/A
5.	851-10	Roads	1	SP	SY	546	\$ 435.00		N/A
6.	831-30	Septic Tank/Drain Field	1	P	EA	1	\$ 3,169.00		5
7.	842-10	Water Distribution Line/Potable	1	P	LF	137.50	\$ 1,373.00		N/A
TRANSFER OF 2.72 ACRES OF LAND AND RELATED IMPROVEMENTS, U. S. NAVAL RESERVE FACILITY, PADUCAH, KENTUCKY									

27. STATEMENT OF COMPLETION: The facilities listed hereon are in accordance with maps, drawings, and specifications and change orders approved by the authorized representative of the using agency except for the deficiencies listed on the reverse side.		28. ACCEPTED BY (Signature)		DATE
TRANSFERRED BY (Signature) <i>E.R. Oscan</i> TITLE (Area Engr./Asst Engr./DPWO) Vice Commander		DATE 7/17/78		DATE 7/28/78
		TITLE (Post Engr./Asst Civ. Engr./Navy Rep.) G. R. BOGGS Chief, Real Estate Division		29. PROPERTY VOUCHER NUMBER

TRANSFER AND ACCEPTANCE OF MILITARY REAL PROPERTY

PAGE 2 OF 2 PAGES

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		<u>CLASS II</u> (continued)							<u>STRUCTURE NO.</u>
8.	852-10	Parking Area	1	SP	SY	1,321	\$ 1,260.00		N/A
9.	852-20	Sidewalk	1	P	SY	172.6	\$ 400.00		N/A
10.	872-10	Security/Perimeter Fence/Wall	1	P	LF	1,053	\$ 3,250.00		N/A
11.	690-10	Flagpole	1	P	EA	1	\$ 150.00		N/A

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TRANSFERRED BY (Signature) _____ DATE _____	TITLE (Post Engr./Base Civ. Engr./Navy Rep.) _____ 29. PROPERTY VOUCHER NUMBER _____
TITLE (Area Engr./Base Engr./DPI/PO) _____	

TRANSFER AND ACCEPTANCE OF MILITARY REAL PROPERTY

1. FPO: (Installation/Activity/Service) Commander, Atlantic Division, Naval Facilities Engineering Command, Norfolk, Va. 23511		2. OPERATING UNIT 62470	3. DIS- TRICT CODE 05	4. OPER- ATING AGENCY 25	5. DATE	6. JOB NUMBER N/A	7. SERIAL NUMBER N/A	8. CONTRACT NUMBER N/A	
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6.	831-30	Septic Tank/Drain Field	1	P	EA	1	\$ 3,169.00		5
7.	842-10	Water Distribution Line/Potable	1	P	LF	137.50	\$ 1,373.00		N/A
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TRANSFERRED BY (Signature) <i>E.P. Oscar</i>		DATE 7/17/78		TITLE (Post Engr./Base Civ. Engr./Navy Rep.) G. R. BOGGS Chief, Real Estate Division
TITLE (Arch Engr./Base Engr./DPWO) Vice Commander		29. PROPERTY VOUCHER NUMBER		

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TITLE (Area Engr./Base Engr./DPIVO)		DATE		



THIS DEED OF CONVEYANCE made and entered into this 3rd day of December, 1949, by and between G. C. MARTIN (a single man), party of the first part, and ROBERT C. CHERRY and PIERCE E. LACKEY, parties of the second part, all of Paducah, McCracken County, Kentucky;

WITNESSETH:

That for and in consideration of the sum of One Dollar (\$1.00) cash in hand, and other good and valuable considerations paid to G. C. Martin, the receipt of all of which is hereby acknowledged, and the further consideration of the execution and delivery to Mrs. John Van Aart of one certain promissory installment note signed by parties of the second part in the principal sum of Two Thousand Dollars (\$2,000.00) and bearing interest at the rate of five per cent (5%) per annum, said note being payable in two annual installments of One Thousand Dollars (\$1,000.00) each, the first of said installments being payable on the 3rd day of December, 1950, and the second and final installment being due and payable on the 3rd day of December, 1951, the party of the first part, G. C. Martin, hereby bargains, sells, aliens and conveys unto the parties of the second part, Robert C. Cherry and Pierce E. Lackey, their heirs and assigns forever, the following described property, lying and being in the City of Paducah, County of McCracken, and State of Kentucky, to-wit:

Beginning at a point 218 feet westwardly from the northwest corner of the intersection of Palm Street and Twelfth Street extended, at the northeast corner of the intersection of Twelfth Street extended and Louise Street (as shown on the plat of survey prepared by E. R. Bradshaw); thence in a northerly direction parallel with Palm Street a distance of 664.25 feet to the southerly line of an 18 foot alley; thence at an approximate right angle and in a westerly direction along the southerly line of said alley a distance of 179.4 feet to the dividing line of the Martin and the Schmaus property; thence along said dividing line and in a southerly direction at an angle of 90 degrees 13 minutes, a distance of 664.25 feet, more or less; thence at an approximate right angle and in an easterly direction a distance of 179.4 feet, more or less, to the point of beginning. Said tract of land containing 2.72 acres, more or less.

Being in all respects a part of the same property devised to G. C. Martin by the will of his wife, Louise Martin, said will being of record in Will Book "H", page 43, McCracken County Court Clerk's office.

A lien is hereby retained upon the above-described premises in favor of Mrs. John Van Aart to secure the payment of the promissory note above mentioned.

The party of the first part hereby also grants unto the

parties of the second part the right of use over Louise Street for purposes of ingress and egress to the property herein conveyed. Said easement and right-of-way shall be a covenant running with the land and is particularly described as follows, to-wit:

Beginning at a point 218 feet west of Palm Street at the northeast corner of Twelfth Street as extended and Louise Street; running thence in a westwardly direction 60 feet; thence at an angle and in a southerly direction a distance of 396.8 feet to the northerly line of the Cairo Road; thence at an angle in an easterly direction and parallel with said Cairo Road, a distance of 60 feet; thence at an angle and in a northerly direction a distance of 352.35 feet to the southerly line of Twelfth Street as extended.

TO HAVE AND TO HOLD the above-described real estate, together with all and singular the rights, privileges and appurtenances thereunto belonging, or in anywise appertaining, unto the parties of the second part, their heirs and assigns forever, with covenant of General Warranty.

IN TESTIMONY WHEREOF, the party of the first part has hereunto subscribed his name, this the day and date first above written.

G. C. Martin

STATE OF KENTUCKY)
COUNTY OF McCRACKEN) SS.

I, Teresa B. Legeay, a notary public in and for the state and county aforesaid, do hereby certify that the foregoing deed of conveyance from G. C. Martin (a single man) to Robert C. Cherry and Pierce E. Lackey, was this day produced to me in my aforesaid county and state, and the same was acknowledged before me in due form of law by G. C. Martin to be his act and deed for the purposes therein stated.

My commission expires March 26, 1951.

Given under my hand and notarial seal this the 3^d day of December, 1949.



Teresa B. Legeay
Notary Public, McCracken County,
Kentucky

STATE OF KENTUCKY)
COUNTY OF McCRACKEN)
I, RUDY PIERCE, Clerk of the County Court for the County and State aforesaid, do certify that the foregoing instrument of Writing was lodged for record on the 6th day of December 1949 at 11:30 A.M. o'clock, and I have recorded the same together with this and the foregoing certificate in my office in _____
Book No. 283 Page No. 308
Given under my hand this 6th day of December 1949
RUDY PIERCE, Clerk

By Dessie Clark, DC.

Mrs John Van Ant

All purchase money having been paid, this is hereby fully released, this 7th day of December 1949
Mrs John Van Ant
Clerk

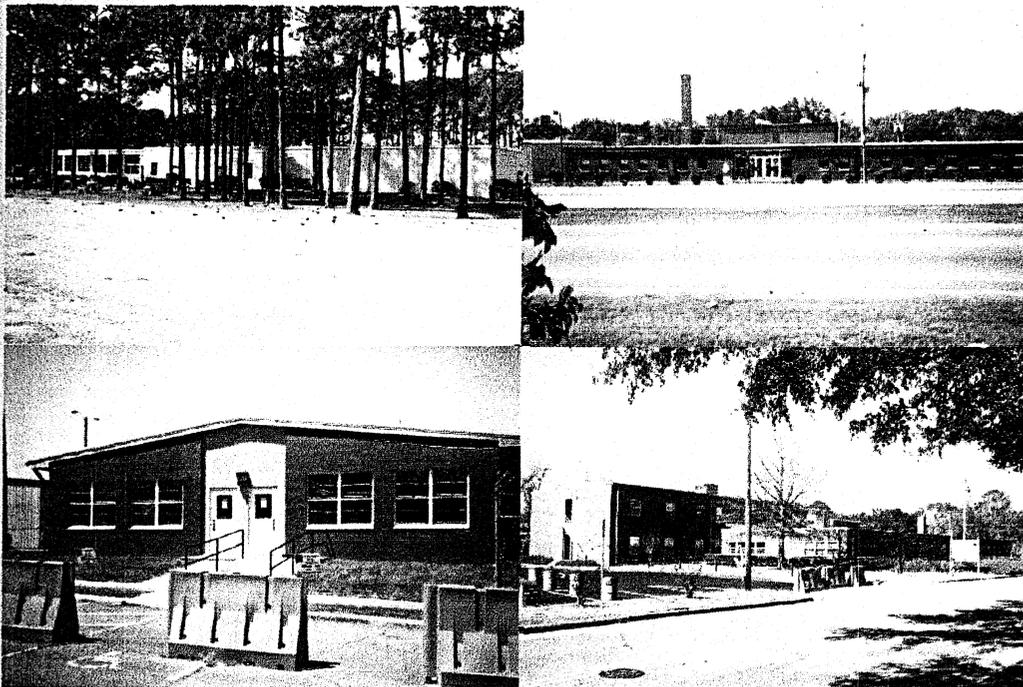
For value received, the amount of \$1000.00 having been paid, the lien herein retained is released to that extent and no further. This certificate is not valid unless countersigned by the party herein named.

APPENDIX D

PREVIOUS ENVIRONMENTAL SITE ASSESSMENT REPORTS

**Intensive Architectural Survey of 33 Army Reserve Centers
81st Regional Support Command
Alabama, Florida, Georgia, Kentucky, Mississippi
North Carolina, and South Carolina**

Final Report



**Brockington and Associates, Inc.
Atlanta Charleston Raleigh
2005**



ERNIE FLETCHER
GOVERNOR

COMMERCE CABINET

KENTUCKY HERITAGE COUNCIL
THE STATE HISTORIC PRESERVATION OFFICE
300 WASHINGTON STREET
FRANKFORT, KENTUCKY 40601
(502) 564-7005 (502) 564-5820 FAX
www.kentucky.gov

W. JAMES HOST
SECRETARY

DAVID L. MORGAN
EXECUTIVE DIRECTOR AND
STATE HISTORIC PRESERVATION OFFICER

June 23, 2005

Steven Francis
Chief, Environmental Division
Installation Management
Headquarters, 81st Regional Readiness Command
225 West Oxmoor Rd
Birmingham, AL 35209-6383

**RE: Intensive Architectural Survey of Selected US Army Reserve Facilities
In Selected States (Kentucky)**

Dear Mr. Francis:

Thank you for your letter and the accompanying report, referenced above, that includes two reserve center sites in Kentucky, one in Lexington and one in Paducah. I concur with the evaluation and determinations of those properties in the report that are in Kentucky. In accordance with Section 110 of the National Historic Preservation Act and 36 CFR 800 and other pertinent orders and regulations, your agency's responsibility to confer with the State Historic Preservation Office of Kentucky is fulfilled.

If you need other assistance or have any questions please contact John Downs of my staff at (502) 564-7005 extension 127.

Sincerely,

A handwritten signature in black ink, appearing to read "David L. Morgan".

David L. Morgan
Executive Director and
State Historic Preservation Officer

Facility KY 064 (Paducah USARC #2, Paducah, KY)

The USARC in Paducah, Kentucky consists of one building constructed in 1955. Facing south toward North 12th Street, the main building sits on a rectangular footprint running on an east-west axis. It was originally used by the naval reserve, but was later acquired by the Army. The building is a low one-story building with a side gable roof. The entrance is beneath a projecting shallow enclosed glass and metal room with gabled roof to the right of the building. The long ends of building have 15 metal-framed, two pane, horizontal windows, while the remainder of the facade is unadorned concrete block. The building has been altered by construction of the main entrance and the replacement of the windows and the new metal roof. Figure 62 presents views of the main building.

Although the building at Facility KY 064 was built during the Cold War, it was not built as part of any specific mission associated with the Cold War, nor is there any significant persons associated with the facility. The building does not represent any architectural style or coherent pattern, nor does the building meet the fifty-year age requirement. Neither the architecture nor the historical associations of this facility meet any of the criteria for exceptional significance. We recommend Facility KY 064 not eligible for the NRHP.

Facility MS 008/MS 037 (Scott USARC/AMSA #146, Jackson, MS)

The Scott USARC in Jackson, Mississippi, consists of two buildings constructed in 1958. Facing south toward Commercial Avenue, the main building sits on a rectangular footprint running on an east-west axis. It is a two-story, metal post-and-beam building with a concrete slab foundation. Ribbons of fixed aluminum windows light its interior. Darker bands of metal siding above and below the windows emphasize these ribbons. The asymmetrical facade has a continuous band of windows across the upper story, but only the right half has lower story windows. Both rows of windows continue into the inset entryway, where the upper band remains as windows and the lower band forms the entry doors and sidelights. The darker metal siding emphasizes the inset entry. On the sides of the building, the window ribbons continue into front-facing, vertically louvered windows. The upper fixed window ribbon continues on the rear of the building. A one-story, metal butler building has been added to the rear façade. Figure 63 presents views of the main building.

**United states army reserve
center
paducah-2, kentucky**

**ASBESTOS INSPECTION
REPORT**

TABLE OF CONTENTS

I. EXECUTIVE SUMMARY..... SECTION I

Para. No.	Page No.
1. REPORT INTRODUCTION - - - -	1
2. FINDINGS SUMMARY - - - -	2
3. ACCESSABILITY - - - -	2
4. RENOVATION/DEMOLITION - - - -	2
5. REPORT ORGANIZATION - - - -	2
6. ABATEMENT COSTS - - - -	3
7. SAMPLING STRATEGY - - - -	3
REPORT SUMMARY TABLE - - - -	5

II. BUILDING SUMMARIES..... SECTION II

BUILDINGS	Page No.
BLDG. 1: Main Reserve Center - - - -	BLDG 1-1

III. TRAINING RECORDS..... SECTION III

US ARMY RESERVE CENTER – PADUCAH 2, KY

ASBESTOS INSPECTION REPORT

EXECUTIVE SUMMARY

1. INTRODUCTION

Asbestos Building Inspectors from the Environmental Enterprise Group, Inc. (EEG) of Charleston, SC conducted an inspection to identify asbestos containing building materials (ACBM) at the US Army Reserve Center located in Paducah, Kentucky. The inspections were conducted on 7 November 2001 and the results of the inspections provide an inventory of ACBM in one (1) building. Temporary/portable buildings were not inspected for this project.

All inspectors were certified by an EPA accredited training center under the Asbestos Hazard Emergency Response Act (AHERA), as Building Inspectors. All inspectors and management planners are employees of EEG, Inc. Copies of inspector training certificates are located in the **TRAINING** section of this report.

Suspect ACBM was identified and sampled in accordance with AHERA style guidelines (See Paragraph 7 for sampling strategy). Some materials suspected of being ACBM were assumed to be ACBM and not sampled. Assumed materials may include floor tile and ventilation transition boots. Some materials weren't identified as ACBM because they were portable and removable (e.g. blackboards, fire hoses,) were not safe to sample (e.g. electrical insulation), or sampling would have damaged the material and impaired the normal system operation/integrity (e.g. heating/ventilation/AC systems, furnace, boiler door and pipe gaskets).

Bulk samples were analyzed by the Environmental Hazards Services (EHS) laboratory of Richmond, Virginia. EHS is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) and the American Industrial Hygiene Association (AIHA) for asbestos analysis. Polarized Light Microscopy (PLM) was used to analyze samples.

Materials identified as ACBM and either sampled or assumed were designated a homogeneous area by similarity of color, texture and date of application. Each homogeneous area was assessed in accordance with the "Asbestos Facility Inventory/Assessment Protocol," NEESA 70.2-010, Developed by the Naval Facilities Engineering Service Center (NFESC).

US ARMY RESERVE CENTER – PADUCAH 2, KY

ASBESTOS INSPECTION REPORT

The NFESC protocol establishes an algorithm rating for each homogeneous area based on condition, quantity, friability, exposure potential, number of persons exposed, building significance and percentage of asbestos present in the material. The **BUILDING SUMMARY TABLES** lists the ratings for each homogeneous area. The rating is heavily weighted by condition, friability, exposure potential and building significance. For the purposes of this inspection, all buildings were listed as occupied during the inspection.

2. **FINDINGS SUMMARY**

BUILDING 1 (Main Reserve Center): Assumed non-friable ACBM in the form of various colored 9” floor tiles and associated floor tile mastic are located in this building.

See individual Building Summaries for detailed information on these materials. Buildings containing asbestos are required to be included in an Operations and Maintenance (O&M) Program. Any identified asbestos containing material not removed must be maintained following the guidelines of an O&M Plan.

3. **ACCESSABILITY**

There were times during the inspection process when all rooms were not accessible for inspection due to several reasons, including security. All rooms were inspected at this site. Unique room numbers were assigned by the inspectors during the inspection visit (see attached floor plan for room numbers).

4. **RENOVATION/DEMOLITION**

The National Emission Standard for Hazardous Air Pollutants (NESHAP) 40 CFR Part 61 requires written notification to the local Air Quality Management District at least ten working days prior to renovation or demolition of ACBM in quantities of 260 linear feet, 160 square feet, 35 cubic feet, or greater, except in cases of emergencies. Contractors are advised to verify most current regulations with the Local Air Quality Management District prior to start of any work.

5. **REPORT ORGANIZATION**

Specific, detailed information on each inspected building is noted in the *BUILDING SUMMARIES* section of this report and include the following:

Photos of existing buildings

US ARMY RESERVE CENTER – PADUCAH 2, KY

ASBESTOS INSPECTION REPORT

Narrative description of the building with findings and recommendations

Building Summary Table

Laboratory Test Results Table

Operations and Maintenance Table

CADD drawing showing sample and asbestos locations

Laboratory Chain of Custody and results forms

Following the *BUILDING SUMMARIES* is a tabbed section for *TRAINING*. Copies of each Inspector's appropriate certificates are included there.

6. **ABATEMENT COSTS**

EEG, Inc. inspectors found non-friable assumed ACM in the building inspected at this site. Abatement cost estimates for each building will be provided by a separate document, if requested, and will include labor, material, equipment, and disposal cost. The extent to which other costs will be covered must be negotiated separately and are beyond the scope of this report.

7. **SAMPLING STRATEGY**

The sampling and analysis of bulk samples was conducted in accordance with established AHERA guidelines. Unless otherwise stated, the following sampling scheme was utilized during the survey:

Thermal System Insulation (TSI)

- 1) A minimum of 1 sample was taken of each homogenous area <6ft or <6 sq. ft.
- 2) A minimum of 3 samples was taken of each homogenous area >6FT or > 6 SQ FT.

Surfacing Materials

- 1) A minimum of 3 samples were taken of each homogeneous area of material 1000 square feet (SF) or less.
- 2) A minimum of 5 samples were taken of each homogenous area of material greater than 1000 SF but less than 5000 SF.
- 3) A minimum of 7 samples were taken of each homogenous area of material greater than 5000 SF.

US ARMY RESERVE CENTER – PADUCAH 2, KY
ASBESTOS INSPECTION REPORT

Miscellaneous Materials (Including floor tiles, ceiling tiles and mastics)

A minimum of 2 samples

A comprehensive and thorough asbestos inspection was conducted on these facilities by certified and experienced Environmental Enterprise Group inspectors. Every effort was made to identify all asbestos containing building material (ACBM) in the facility, but due to random sampling techniques mandated by EPA regulations, the non-destructive sampling policy for this project and accessibility constraints, the possibility always exists that some ACBM remains undetected.

US ARMY RESERVE CENTER – PADUCAH 2, KY
ASBESTOS INSPECTION REPORT

BUILDING SUMMARIES

The following pages report observations noted and suggest actions required as a result of an asbestos inspection conducted by Environmental Enterprise Group, Inc. in November of 2001. One (1) building at US Army Reserve Center located in Paducah, Kentucky was inspected for possible presence of suspect/assumed asbestos. This section provides *Description, Findings, Observations, Recommended Abatement Action, and Recommendations for Operations and Maintenance* for each building inspected.

The room numbers shown on the CAD drawings and referenced in the report were assigned by the inspectors at the time of inspection. Some room numbers are prefixed by a letter to indicate the type of room. **E** indicates an entry to the building, **H** indicates a hallway, **R** is a roof, **S** is a stairwell, **A** is an attic area and **B** indicates basement rooms.

US ARMY RESERVE CENTER – PADUCAH, KY

ASBESTOS INSPECTION REPORT

BUILDING 1: Main Reserve Center

1. DESCRIPTION:

Building 1 is a 3,250 square-foot building. It is a concrete block structure with a flat, tar and gravel roof. The following information was identified during the survey and from the analysis of the samples taken:

- Four homogeneous areas were identified during the initial survey.
- One homogeneous area was assumed to contain asbestos.
- Three of the homogeneous areas were suspected to contain asbestos and sampled to confirm.
- No suspected homogeneous areas were confirmed to contain asbestos.
- Three of the suspected homogenous areas did not contain asbestos.

2. FINDINGS:

Three homogeneous areas with suspected ACM were identified. Six samples were collected and analyzed. Sample results are summarized in the Laboratory Test Results table in this section. Friable asbestos was not found in any homogeneous areas.

Confirmed ACM. The following homogeneous areas sampled were confirmed to contain asbestos:

Asbestos Free. Asbestos was not detected in the following homogeneous areas:

- H-2: MISC, SHEETROCK/MUD, White
- H-3: MISC, ROOFING, TAR AND GRAVEL, Black
- H-4: MISC, ROOFING, FLASHING/MASTIC, Black

Assumed ACM. The following homogeneous areas were assumed to contain asbestos:

- H-1: MISC, FLOOR TILE & MASTIC, 9", Various colors, was Non-friable and Not Damaged.

3. OBSERVATIONS: NONE

4. RECOMMENDED ABATEMENT ACTIONS:

Recommended actions for the following homogeneous areas:

US ARMY RESERVE CENTER – PADUCAH, KY
ASBESTOS INSPECTION REPORT

- H-1: MISC, FLOOR TILE & MASTIC, 9", Various colors: **O&M**

5. RECOMMENDATIONS FOR OPERATIONS AND MAINTENANCE:

Operations and Maintenance recommendations for confirmed and assumed homogeneous areas of ACM are found in the Operations & Maintenance Table of this section. The materials listed below should be maintained following the guidelines of an O & M Plan during regular maintenance and small-scale repair activities until removed.

MISC FLOOR TILE & MASTIC is Assumed, Non-friable ACM.

H-1 (FLOOR TILE & MASTIC, 9", Various colors) is located in Rooms 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111 and Hall H-100.

**LABORATORY TEST
RESULTS TABLE**

**US ARMY RESERVE CENTER - PADUCAH 2
ASBESTOS BUILDING SURVEY
INDUSTRIAL LABORATORY TEST REPORT**

Building No. 1

Homo. Area	ASB Y/N	Sample Number	Room Number	Material Description:	Date Sampled	Date Analyzed	Sample Results	Percent Asbestos
2	NO	PADUCAH2-001	H-100	Misc, SHEETROCK/MUD, White	11/07/01	11/14/01	No Asbestos Detected	0%
2	NO	PADUCAH2-002	105	Misc, SHEETROCK/MUD, White	11/07/01	11/14/01	No Asbestos Detected	0%
3	NO	PADUCAH2-003	R-100	Misc, ROOFING, Black	11/07/01	11/14/01	No Asbestos Detected	0%
3	NO	PADUCAH2-004	R-100	Misc, ROOFING, Black	11/07/01	11/14/01	No Asbestos Detected	0%
4	NO	PADUCAH2-005	R-100	Misc, ROOFING, Black	11/07/01	11/14/01	No Asbestos Detected	0%
4	NO	PADUCAH2-006	R-100	Misc, ROOFING, Black	11/07/01	11/14/01	No Asbestos Detected	0%

BUILDING SUMMARY TABLE

US ARMY RESERVE CENTER - PADUCAH 2 ASBESTOS BUILDING SURVEY

Building No. 1

H-No	ACM Y,N,A	Material Description	Quantity	Rating	Friability	Con d	% D	Recommended Action	Cost Estimate	Comments
1	A	Misc, FLOOR TILE & MASTIC, 9", Various colors	2,564 SF	4	Non	PD	0.0	O&M		9" inch floor tile under new, non-suspect 12" floor tile.
Rooms 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, H-100										
2	N	Misc, SHEETROCK/MUD, White	7,120 SF	0						
Rooms 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, H-100										
3	N	Misc, ROOFING, TAR AND GRAVEL, Black	3,250 SF	0						
Rooms R-100										
4	N	Misc, ROOFING, FLASHING/MASTIC, Black	234 SF	0						
Rooms R-100										

Note: Asbestos abatement cost estimates are not included in this report.

H-No= Homogenous Area Number, ACM= Asbestos Containing Material: Y=Yes, N= No, A= Assumed, TSI= Thermal System Insulation, Misc= Miscellaneous, Quantity: SF= Square Footage, LF= Linear Feet, Friability: Mod= Moderate, Condition: PD= Potential for Damage, D= Damaged, SD= Significantly Damaged, Recommended Action: O&M= Operation and Maintenance

**OPERATIONS AND
MAINTENANCE TABLE**

**US ARMY RESERVE CENTER - PADUCAH 2
ASBESTOS BUILDING SURVEY**

O&M

Bldg. No.	Homo No.	Material Description	Quantity	Rating	Friability	Condition	% D	Recommended Action
1	1	Misc, FLOOR TILE & MASTIC, 9", Various colors	2,564 SF	4	Non	Not Damaged	0.00	O&M

Locations: Rooms 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, H-100

Homo No= Homogenous Area Number, ACM= Asbestos Containing Material, TSI= Thermal System Insulation, MISC= Miscellaneous, Quantity: SF= Square Footage, LF= Linear Feet, Friability: Mod= Moderate, Non= Non-Friable, Recommended Action: O&M= Operation and Maintenance, Refer to the Section III Operations and Maintenance Plan for standard O&M and Repair procedures.



BUILDING 1 – MAIN RESERVE CENTER – PADUCAH-2, KY

PADUCAH 2, KY

APRIL LOCATION
 10/10/2012
 10/10/2012

APRIL LOCATION

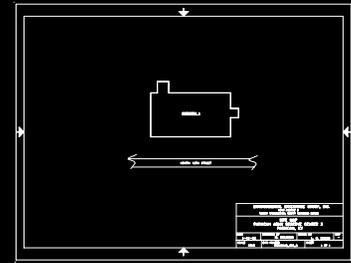
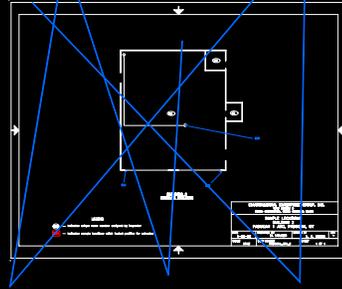
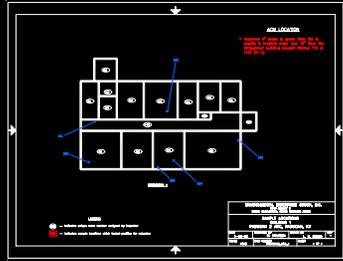
- 1. All lines are drawn in white
- 2. All text is drawn in white
- 3. All dimensions are drawn in white
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APRIL LOCATION

- 1. All lines are drawn in white
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DWG "2"

DWG "3"
 8.5X11



BRAC 05 INSTALLATION NEPA INFORMATION NEEDS QUESTIONNAIRE

(Enter information into the shaded areas)

NOTE: The purpose of this questionnaire is to obtain baseline information that will be used to complete NEPA Plans of Action. This information will be used to assist in determining the level of NEPA documentation required to support the BRAC action and to ascertain whether any supporting environmental studies need to be performed. Use best judgment in answering questions regarding potential impacts of the BRAC action. Appropriate impact analyses and documentation will be carried out in the appropriate NEPA documents.

NOTE: RESERVE COMPONENT ACTIVITIES NEED ONLY TO ANSWER THOSE QUESTIONS HIGHLIGHTED IN BLUE.

FOR FURTHER INFORMATION CONTACT THE FOLLOWING NEPA SUPPORT TEAM REPRESENTATIVES:

Dr. Neil Robison, USACE, Mobile District (251) 690-3018 neil.d.robison@sam.usace.army.mil

Brian Peck, USACE, Mobile District (251) 690-2750 brian.e.peck@sam.usace.army.mil

Sue Holtham, USACE, New England District (978) 318-8536 susan.e.holtham@usace.army.mil

FOR FURTHER INFORMATION REGARDING CULTURAL RESOURCES, CONTACT:

Ernie Seckinger, USACE, Mobile District (251) 694-4107 ernest.w.seckinger.jr@sam.usace.army.mil

PART A BACKGROUND INFORMATION

1. Name of Installation:	Paducah #2 USARC KY064		
2. BRAC Action:	Close		
3. Installation POC:	Steve Francis		
4. Address:	2001 N. 12th Street Paducah KY 42001		
5. Comm Phone:	205-912-6957	6. Comm. FAX:	
7. DSN Phone:		8. DSN FAX:	
9. E-mail:	steve.francis1@us.army.mil		

PART B HISTORICAL INFORMATION

1. List below all previous NEPA documents prepared for the installation within the last five years including: Environmental Assessments (EAs)/Findings of No Significant Impact (FNSIs), and Environmental Impact Statements (EISs)/Records of Decision (RODs). Include title, action, and date of document.

a.	
b.	
c.	
d.	
e.	
f.	
etc.	

2. Describe the location of the site(s) affected by the BRAC action, including the environmental setting, and present and past use of the site(s).

USAR Center located among commercial and residential properties.

3. Has the installation previously conducted field training activities (including those using munitions), engaged in any construction, or any other type of activity or operation on the site(s)? YES NO

If YES, explain what, when, and current operations.

4. Has the type of equipment (tracked or wheeled vehicles) to be used under the BRAC action been operated on the site(s) before? YES NO N/A

PART C DESCRIPTION OF BRAC ACTION

1. The BRAC action will involve:
- a. Training activities/areas YES NO
 - b. Construction YES NO
 - c. Maintenance/Repair/Rehabilitation YES NO
 - d. Reorganization/Re-stationing YES NO
 - e. Real Estate Action YES NO
 - f. Manufacturing YES NO
 - g. Laboratories/Research YES NO
 - h. Other (Explain)

Close facility

2. Will the BRAC action result in the disposal of excess facilities and/or lands? YES NO

If YES, explain how.

Reserve-owned facility

If YES, will the property be transferred to another military department or Federal agency? YES NO

If YES, provide the name of the receiving agency or department.

UNKONWN

3. Will the BRAC action consist of facility expansion? YES NO

If YES, describe extent of expansion (i.e., amount of square footage, acreage, etc.)

PART D ENVIRONMENTAL RESOURCE ANALYSIS

1. LAND USE

a. Briefly describe the current land use, including how the site(s) is currently zoned (i.e., commercial, residential, park, park, etc.)

b. Will the BRAC action substantially alter the present or future land use of the site (i.e., park to parking lot)? YES NO

If YES, explain how.

c. Will the proposed construction activities disturb more than 5 cumulative acres? YES NO

d. Briefly describe the surrounding area land uses and settings.

<p>e. Has an Environmental Baseline Survey been completed for the project area? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>If YES, provide the name of the documents and dates.</p>	
<p>f. Will the BRAC action include new field training, test activities or other operations that affect an excess of 5 acres Army land which is not within the existing Real Property Master Plan or training cycle? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p> <p>If YES, describe.</p>	
<p>g. Are there any recreational use agreements with local interests? <input type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>If YES, provide the name, date and brief description of the agreement.</p>	
<p>h. Does the BRAC action conflict with the community's adopted land use plans and goals for adjacent properties? <input type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>If YES, describe how.</p>	
<p>i. Will any new field training activities proposed under the BRAC action cause substantial change (i.e. effects) to land not controlled by the military (for example, encroachment into federal airspace due to weapon firing). <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p> <p>If YES, describe.</p>	
<p>j. Have the following plans, reports, and regulations been prepared for the installation?</p>	
<p>(1) <u>Real Property Master Plans</u></p> <p>If YES, provide the names and dates of the plans.</p>	<p><input type="checkbox"/> YES <input type="checkbox"/> NO</p>
<p>(2) <u>Recreational Use Plans</u></p> <p>If YES, provide the names and dates of the plans.</p>	<p><input type="checkbox"/> YES <input type="checkbox"/> NO</p>
<p>(3) <u>Public Use Surveys</u></p> <p>If YES, provide the names and dates of the surveys.</p>	<p><input type="checkbox"/> YES <input type="checkbox"/> NO</p>
<p>(4) <u>Hunting and Fishing Regulations</u></p> <p>If YES, provide the names and dates of the regulations.</p>	<p><input type="checkbox"/> YES <input type="checkbox"/> NO</p>
<p>(5) <u>Agricultural Lease Plans</u></p> <p>If YES, provide the names and dates of the plans.</p>	<p><input type="checkbox"/> YES <input type="checkbox"/> NO</p>
<p>(6) <u>Land Condition Trend Analysis Reports</u></p> <p>If YES, provide the names and dates of the reports.</p>	<p><input type="checkbox"/> YES <input type="checkbox"/> NO</p>
<p>(7) <u>Land Rehabilitation and Maintenance Reports</u></p> <p>If YES, provide the names and dates of the reports.</p>	<p><input type="checkbox"/> YES <input type="checkbox"/> NO</p>

k. Does the installation have the following GIS land use mapping?	
(1) <u>Installation base map, displaying boundary, structures, training areas, ranges, drop zones, cantonment area, HTRW areas, etc.</u> If YES, insert reference and date of mapping.	<input type="checkbox"/> YES <input type="checkbox"/> NO
(2) <u>Land Use/Land Cover</u> If YES, insert reference and date of mapping.	<input type="checkbox"/> YES <input type="checkbox"/> NO
(3) <u>Agricultural Lease Plots</u> If YES, insert reference and date of mapping.	<input type="checkbox"/> YES <input type="checkbox"/> NO
2. AESTHETICS/VISUAL	
a. Are there viewsheds in the area surrounding the installation that other interests (state, local, private) have determined to be significant (i.e., sensitive environmental areas, national parks, state parks, etc.)?	
	<input type="checkbox"/> YES <input type="checkbox"/> NO
If YES, describe and provide references. <div style="background-color: #ffffcc; height: 20px; margin-top: 5px;"></div>	
b. Will there be substantial changes to the landscape of the installation that could be viewed by the public (new buildings, training areas, airports, etc.)?	
	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
If YES, describe. <div style="background-color: #ffffcc; height: 20px; margin-top: 5px;"></div>	
3. AIR QUALITY	
a. Is the installation in a non-attainment area?	
	<input type="checkbox"/> YES <input type="checkbox"/> NO
b. Will the BRAC action produce air emissions, introduce smoke, suspend particles or noxious gases into the air?	
During construction/training activities.	<input type="checkbox"/> YES <input type="checkbox"/> NO
During normal operations, after construction completed.	<input type="checkbox"/> YES <input type="checkbox"/> NO
c. Will the action particulate or cause dust to migrate beyond project site boundaries?	
During construction/training activities.	<input type="checkbox"/> YES <input type="checkbox"/> NO
During normal operations, after construction completed.	<input type="checkbox"/> YES <input type="checkbox"/> NO
d. Will the action require permits for stationary sources such as heating/cooling plants?	
During construction.	<input type="checkbox"/> YES <input type="checkbox"/> NO
During normal operations, after construction completed.	<input type="checkbox"/> YES <input type="checkbox"/> NO
e. Will the action expose sensitive receptors (threatened and endangered species, children) to pollutants?	
During construction/training activities.	<input type="checkbox"/> YES <input type="checkbox"/> NO
During normal operations, after construction completed.	<input type="checkbox"/> YES <input type="checkbox"/> NO
f. Has the installation prepared any air quality reports?	
	<input type="checkbox"/> YES <input type="checkbox"/> NO
If YES, insert references that describe stationary and mobile sources of air emissions. <div style="background-color: #ffffcc; height: 20px; margin-top: 5px;"></div>	
g. Will the BRAC action require a Clean Air Act conformity determination?	
	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
4. NOISE	
a. Will the BRAC action generate new mobile and/or stationary noise sources?	
	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
If YES, describe. <div style="background-color: #ffffcc; height: 20px; margin-top: 5px;"></div>	

b. Is the BRAC action close to any civilian community where noise might affect the population? YES NO
If YES, provide below distances (feet, yards, miles) to applicable noise sensitive receptors.

<u>Noise Sensitive Receptors</u>	<u>Distance to Receptors</u>
a. Residence/Homes	
b. Churches	
c. Schools	
d. Hospitals	
e. Libraries	
f. Wilderness Areas.	
g. Other	
h.	
i.	

c. Does the installation have ICUZ studies that contain GIS based noise contour information? YES NO
If YES, provide references and dates.

d. Will the BRAC action increase ICUZ levels and/or the duration of noise levels to sensitive receptors (see above) on/adjacent to the installation? YES NO

If YES, describe.

e. Will the BRAC action involve night (10 pm to 7 am) operations or activities? YES NO
If YES, describe.

f. Does the installation currently have aircraft activities? YES NO
If YES, identify any special requirements that are in place to minimize noise to adjacent areas from aircraft activities.

g. Will the BRAC action involve or add aircraft? YES NO
If YES, specify type (helicopter, fixed wing), minimum altitudes, no fly area(s), and flight times for aircraft operations.

h. Does the installation have any special requirements in place to minimize noise impacts to any adjacent sensitive areas from training or testing activities? YES NO
If YES, identify any special requirements to minimize impacts to sensitive areas.

5. GEOLOGY AND SOILS

a. Will the BRAC action result in long-term disruptions, displacements, or compaction of the soil, permanent change in topography or ground surface relief features of over 5 acres? YES NO
If YES, explain.

b. Will the BRAC action have the potential to increase erosion of soils by wind or water, either on or off the site after construction? YES NO
If YES, describe.

c. Does the installation have any geologic hazards i.e., seismicity, land subsidence or slope instability?		<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Will the BRAC action increase any geologic hazards?		<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
If YES, describe.			
d. Does the installation have any GIS mapping available for geologic hazards?		<input type="checkbox"/> YES	<input type="checkbox"/> NO
If YES, provide references and date of mapping.			
e. Does the installation have GIS based soil survey mapping of soil types?		<input type="checkbox"/> YES	<input type="checkbox"/> NO
If YES, provide references and date of mapping.			
f. Will the BRAC action affect prime or unique farmland soils?		<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
If YES, describe.			
6. WATER RESOURCES			
a. Will the BRAC action change currents, or the course or direction of water movements, in either marine or fresh waters?			
During construction/training activities.		<input type="checkbox"/> YES	<input type="checkbox"/> NO
During normal operations, after construction completed.		<input type="checkbox"/> YES	<input type="checkbox"/> NO
b. Will there be an increase in flooding due to the BRAC action?			
During construction/training activities.		<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
During normal operations, after construction completed.		<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
c. Will the BRAC action discharge (sediments, liquids or solid wastes) into surface waters, or alter surface water quality and/or quantity?			
During construction/training activities.		<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
During normal operations, after construction completed.		<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
d. Will the BRAC action change the quantity and/or quality of ground water, either through direct additions or withdrawals, or through interception of an aquifer by cuts or excavations?			
During construction/training activities.		<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
During normal operations, after construction completed.		<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
e. Does the BRAC action have the potential to accidentally spill hazardous or toxic material near or in a body of water?			
During construction/training activities.		<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
During normal operations, after construction completed.		<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
f. Will any construction or training activities associated with the BRAC action take place in wetlands?			
		<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
If YES, describe.			
g. Will the BRAC require construction of facilities or implement actions within floodplains?			
During construction/training activities.		<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
During normal operations, after construction completed.		<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
h. Does the action require a discharge permit?			
		<input type="checkbox"/> YES	<input type="checkbox"/> NO

i. Does the action involve the construction of a water or a wastewater treatment system (oil, water separators, grease traps, etc.)? YES NO
If YES, explain.

j. Does the installation have the following reports, plans, and surveys?

(1) Water Quality Monitoring Reports YES NO
If YES, provide references.

(2) Lake Management Plans YES NO
If YES, provide references.

(3) Wetland Surveys YES NO
If YES, provide references.

k. Does the installation have GIS mapping of the following?

(1) Floodplains YES NO
If YES, provide reference and date of mapping.

(2) Wetlands (National Wetland Inventory and/or on-site surveys) YES NO
If YES, provide reference and date of mapping.

(3) Other Water Features (streams, lakes, ponds, groundwater, etc.) YES NO
If YES, provide reference and date of mapping.

l. Is the installation located in a state designated Coastal Zone area? YES NO
If YES, describe area.

m. Are there any designated Wild and Scenic Rivers on or adjacent to the installation? YES NO
If YES, describe.

7. NATURAL RESOURCES

a. Will the BRAC action change the diversity of species, or numbers of any species of mammals, birds, reptiles, amphibians, and fish or plants including trees, grass, shrubs, microflora, or aquatic plants? YES NO
If YES, explain how.

b. Will the BRAC action introduce non-native species of animals or plants into an area? YES NO
If YES, explain how.

<p>c. Will the BRAC action affect federally listed threatened or endangered species or their designated critical habitats, or, a Federal candidate species, or, a species proposed for Federal listing or critical habitat? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p> <p>If YES, explain how.</p>	
<p>d. Have threatened or endangered species presence/absence surveys been conducted for the proposed site(s) affected by the proposed BRAC action? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p> <p>If YES, explain when the survey was conducted and has the U.S. Fish and Wildlife Service and/or National Marine Fisheries Service concurred with the survey results?</p>	
<p>e. Will the BRAC action create barriers to prevent the migration or movement of animals (i.e., fences, walls, buildings)? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p> <p>If YES, explain how.</p>	
<p>f. Will the BRAC action deteriorate, alter or destroy existing fish or wildlife habitat? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p> <p>If YES, explain how.</p>	
<p>g. Will the BRAC action affect adjacent areas of critical environmental concern, or areas of unique or critical environmental sensitivity, or important wildlife habitats, including refuges (i.e., state designated critical habitats, federal refuges, etc.)? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p> <p>If YES, explain what and how.</p>	
<p>h. Does the installation have the following information?</p>	
<p>(1) <u>Integrated Natural Resource Management Plan/EA.</u> <input type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>If YES, insert reference.</p>	
<p>(2) <u>Endangered Species Management Plan/EA.</u> <input type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>If YES, insert reference.</p>	
<p>(3) <u>Biological Assessments/Biological Opinions.</u> <input type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>If YES, insert reference.</p>	
<p>(4) <u>Planning Level Surveys (flora, fauna, threatened and endangered species, vegetative communities, invasive species and all available mapping).</u> <input type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>If YES, insert reference.</p>	

(5) Fish and wildlife supporting plans and documents including fish surveys, stocking data, deer management plans, deer surveys, and small game surveys. YES NO
If YES, insert reference.

(6) Forest Management Plan. YES NO
If YES, insert reference.

(7) Integrated Pest Management Plan/EA. YES NO
If YES, insert reference.

(8) Rapid Bioassessment Protocol Surveys. YES NO
If YES, insert reference.

(9) Invasive Species Plan YES NO
If YES, insert reference.

i. Identify if the installation has GIS mapping for the following:

(1) Overall Habitat Categories (vegetative communities or general categories). YES NO
If YES, insert references and date of mapping.

(2) Rare, Threatened and Endangered Species locations. YES NO
If YES, insert references and date of mapping.

(3) Forest Management Areas. YES NO
If YES, insert references and date of mapping.

(4) Hunting/fishing Areas. YES NO
If YES, insert references and date of mapping.

8. CULTURAL RESOURCES

a. Have cultural resources surveys been conducted for the proposed site(s) where BRAC actions will take place? YES NO

If YES, explain when the survey took place and has the SHPO concurred with the results.

Survey performed in 2005. SHPO has concurred.

b. Provide below the number of archeological sites (including any known Traditional Cultural Properties or Sacred Sites) known to exist on the installation.

c. For those sites listed in question 8(b), provide the number that have been recommended as eligible or that are on the National Register of Historic Places.

d. For closing installations, provide the following information:

(1) Do curated archeological collections exist? YES NO
If YES, state where these collections reside.

(2) Does a curation agreement with a curation facility exist? YES NO
If YES, describe and provide reference.

(3) Does the installation have any collection of historic maps, photographs or drawings of the BRAC area? YES NO
If YES, briefly describe the extent of the materials/reports, and, provide a POC for this information.

e. To your knowledge, will the BRAC action affect historically significant structures, archeological sites, or places listed or eligible for listing on the National Register of Historic Places or National Historic Landmarks? YES NO
If YES, describe what and how.

f. To your knowledge, will the proposed BRAC action change the character or use of any historical property eligible for or listed in the National Register of Historic Places (i.e. historical buildings, structures, cemeteries, archeological sites, burial grounds, etc.)? YES NO
If YES, describe what and how.

g. To your knowledge, will the proposed BRAC action impact any resource of significance to a Native American Tribe? YES NO UNKNOWN
If YES, describe the resource and the impact on it.

h. List below the federally recognized Indian Tribe(s) that are in the area of this project or that may have an historical interest in these lands.

1. _____
2. _____
3. _____
etc. _____

Do you have a signed Consultation Agreement with the Tribe(s)? YES NO
If NO, explain the plan to begin consultation and when it will begin.

i. Note below if the following resources are present within the project area.

(1) Historically significant structures, archaeological sites, or places listed or eligible for listing on the National Register of Historic Places or National Historic Landmarks. YES NO

If YES, provide references.

(2) Properties of traditional religious and cultural importance to an Indian tribe or Native Hawaiian organization. YES NO

If YES, provide references.

(3) GIS mapping of cultural resources that may be present on the installation. YES NO

If YES, provide references and date of mapping.

j. Provide below the number of buildings and structures in the BRAC area built during or before 1960.

1 -1955

k. Of those structures noted in (j) above, how many have been inventoried, evaluated for National Register eligibility and coordinated in writing with the State Historic Preservation Office (SHPO)? List numbers of buildings/structures eligible and not eligible separately.

1 - not eligible

l. List any cultural resources documents (including the date) the installation has completed or is in the process of completing that pertain to the BRAC area. Include Integrated Cultural Resource Management Plans (ICRMPs), Historic Building Inventories/Assessments, HABS/HAER documentation, Historic Contexts, Cold War historical studies, and GIS data that includes cultural resources.

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.

m. List by name any cultural resource Programmatic Agreements or Memorandum of Agreements currently in effect that pertain to the BRAC area. Include signatory parties and the date the agreement was signed.

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- etc.

n. Provide a brief description of the military missions within the BRAC area during the Cold War (1946-1991). List any buildings that may have Cold War historical significance associated with those missions.

Buildings were built during the Cold War, but were not built as part of any specific missions associated with the Cold War, nor are there any significant persons associated with the facility.

o. Provide below a narrative covering other cultural resources issues at your installation not adequately covered in this questionnaire but that you feel are pertinent to the BRAC process.

p. Provide below the name, address, phone number, and email address of the installation Historic Preservation Officer or the person completing this portion of the questionnaire.

Name: Rachel Riggins
Address: 255 West Oxmoor Road, Birmingham, AL 35209
Phone Number: 205-912-6951
E-mail address: rachle.riggins@us.army.mil

9. SOCIOECONOMICS AND ENVIRONMENTAL JUSTICE

a. Note below any agreements with local municipalities for municipal services (fire, emergency, law enforcement). If installation has its own services, describe.

b. Will the BRAC action result in a need for new or increased municipal services (fire, police, ambulance) above current capability? YES NO

If YES, describe.

c. Will the BRAC action result in a need for new housing, schools, and social services (community, medical) on the installation? YES NO

If YES, describe.

d. Will the BRAC action alter the location, distribution, density, or growth rate of the human population of the region of influence that would affect growth and housing construction? YES NO

If YES, explain how.

e. Will there be disproportionate environmental health and safety risks to children (Refer to Executive Order 13045)?
During construction. YES NO

During the normal operations, after construction completed. YES NO

f. Will there be disproportionate environmental or health effects to minority or low income populations (Refer to Executive Order 12898)? YES NO

If YES, explain the issues.

10. TRAFFIC/TRANSPORTATION

a. Will the BRAC action effect the existing traffic and transportation infrastructure present on the installation, including roadways, rail, air, public transportation, etc.? YES NO

If YES, explain.

b. Will the BRAC action result in generation of or increase in vehicular movement or traffic? YES NO

If YES, explain.

c. Will the volume of traffic estimated under the BRAC action exceed the existing road capacity? YES NO

If YES, explain.

d. Will the BRAC action use and/or construct unimproved roads? YES NO

If YES, explain.

e. Does GIS mapping exist that identifies the road network on the installation? YES NO

If YES, provide references and date of mapping.

11. UTILITIES

a. Will the BRAC action result in a need for new systems, or, substantial alterations to the following utilities?

(1) Water Supply and Treatment Systems. YES NO

If YES, explain and provide permit information and references.

(2) Power Supply (electrical, fossil fuel, other). YES NO

If YES, explain and provide permit information and references.

(3) Wastewater Treatment Facilities (Is this permitted at the site?). YES NO

If YES, explain and provide permit information and references.

(4) Storm Water and Sewer Collection System. YES NO

If YES, explain and provide permit information and references.

(5) Solid Waste Disposal. YES NO

If YES, explain and provide permit information and references.

(6) <u>Telephone and Telecommunications.</u>		<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
If YES, explain and provide permit information and references.			
(7) <u>Wash Racks.</u>		<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
If YES, explain and provide permit information and references.			
12. HAZARDOUS AND TOXIC MATERIALS			
a. Will the BRAC action generate, store, and/or prepare for the disposal of hazardous waste or materials or petroleum products?			
During construction/training activities.		<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
During normal operations, after construction completed.		<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
b. Does the BRAC action require a permit to accumulate hazardous material/waste at the site?			
During construction/training activities.		<input type="checkbox"/> YES	<input type="checkbox"/> NO
During normal operations, after construction completed.		<input type="checkbox"/> YES	<input type="checkbox"/> NO
c. Does the BRAC action have an increased risk for explosion, spill or release of hazardous materials/waste including, but not limited to Munitions and Explosives of Concern (MEC), pesticides, chemicals or radiation?			
During construction/training activities.		<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
During normal operations, after construction completed.		<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
d. Does the BRAC action include the construction of a laboratory that will use hazardous chemicals, drugs or biological or radioactive materials?			
		<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
If YES, explain.			
e. Does the installation have a plan describing procedures for the proper handling, storage, use, disposal, and cleanup of hazardous and/or toxic materials?			
		<input type="checkbox"/> YES	<input type="checkbox"/> NO
If NO, is there a need for detailed procedures? Explain.			
f. Will the BRAC action require the presence of trained hazmat personnel to handle and dispose of hazardous and toxic materials/waste?			
During construction/training activities.		<input type="checkbox"/> YES	<input type="checkbox"/> NO
During normal operations, after construction completed.		<input type="checkbox"/> YES	<input type="checkbox"/> NO
g. Will the BRAC action generate solid waste which must be disposed of either on or off site?			
During construction/training activities.		<input type="checkbox"/> YES	<input type="checkbox"/> NO
During normal operations, after construction completed.		<input type="checkbox"/> YES	<input type="checkbox"/> NO
h. Will the BRAC action involve the opportunity for hazardous materials minimization and recycling?			
During construction/training activities.		<input type="checkbox"/> YES	<input type="checkbox"/> NO
During normal operations, after construction completed.		<input type="checkbox"/> YES	<input type="checkbox"/> NO
i. Is the installation located on a National Priorities List (NPL) site?			
		<input type="checkbox"/> YES	<input type="checkbox"/> NO
j. Are there currently restrictions on use of the property due to the presence of hazardous waste, materials, UXO or ongoing site remediation activities?			
		<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
If YES, describe.			

k. Provide information/references below that describe the following, including any existing permits.

(1) Sources of hazardous waste generation.

References:

(2) Treatment, storage and/or disposal of hazardous waste or materials.

References:

(3) Ongoing site remediation activities.

References:

PART E DETERMINATION

Your opinions are requested below based on your familiarity with the installation and the information provided in this questionnaire.

- a. Does the BRAC action have the potential to degrade the quality of the environment, or curtail the diversity of the environment? YES NO
- b. Does the BRAC action have the potential for cumulative impacts on environmental quality when the impacts are combined with those of other non-Federal or Federal actions or if the action is of lengthy duration? YES NO
- c. Does the BRAC action have environmental effects which will cause substantial adverse effects on the human or the natural environment either directly or indirectly? YES NO

LEAD-BASED PAINT SURVEY REPORT

United States Army Reserve Center
2001 N 12th Street
Paducah, Kentucky (KY064)



Prepared for:
U. S. Army Reserve Center
81st Regional Support Command
Birmingham, Alabama



Prepared by:
Environmental Enterprise Group, Inc.
1345 Barracks Rd
North Charleston, SC 29405-2106

MARCH 2004

DISCLAIMER

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Information provided in this document is provided 'as is' without warranty of any kind, either express or implied, including but not limited to the implied warranties of merchantability, fitness for a particular purpose and freedom from infringement. The user assumes the entire risk as to the accuracy and the use of this document.

This survey is of readily accessible areas of the building and is limited to visual observations and XRF analysis of apparent conditions/components tested and existing at the time of the survey only. Latent and concealed defects and deficiencies are excluded from the survey; equipment items and systems were not dismantled. EEG assumes no responsibility or obligation to update these findings.

Maintenance and other items may be discussed, but they are not a part of this survey. The report is not a compliance survey or certification for past or present governmental codes or regulation of any kind, unless specifically stated for that purpose. The survey and report only address the presence of or danger from the potentially harmful substance of lead in paint. The survey and report do not address the presence of or danger from other potentially harmful substances and environmental hazards including but not limited to radon, asbestos, urea formaldehyde, toxic or flammable chemicals, and water and airborne hazards. Also excluded are surveys of and report on wells, septic systems, security systems, central vacuum systems, sprinkler systems, fire and safety equipment and the presence of rodents, termites, and other insects.

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TABLE OF CONTENTS

Front Cover i
Disclaimer ii
Table of Contents iii
Acronym List..... iv
Executive Summary v

1.0 Introduction 1
2.0 Lead-Based Paint Testing Procedures 1
 Definition of Room Equivalent 1
 Delineation of Room Equivalent 1
 Exterior Structure Designations 2
 Interior Designations, Room Names, Room Sides and Component Identification..... 2
 Sampling Strategies 2
 Evaluation of the Quality of Inspection 2
3.0 Identification of Lead-Based Paint..... 3
 Summary of Lead-Based Paint in Facility 3
 Depth Index 3

Appendices

A Lead In Paint X-Ray Fluorescence Field Data Sheets
B Facility Floor Plans and Photographs
C Quality Evaluation Results

ACRONYM LIST

CFR	Code of Federal Regulations
CLR	Color
CND	Condition
DI	Depth Index
EEG	Environmental Enterprise Group
EPA	U. S. Environmental Protection Agency
FEAT	Feature
HUD	U. S. Department of Housing and Urban Development
LBP	Lead-Based Paint
mg/cm ²	milligrams of lead per square centimeter
PPM	Parts Per Million
RES	Result
SSEC	Source Seconds
STRC	Structure
SUB	Substrate
µg/ft ²	micrograms of lead per square foot
µg/g	micrograms of lead per gram
XRF	X-Ray Fluorescence

EXECUTIVE SUMMARY

The United States Army Reserve, 81st Regional Support Command, retained the Environmental Enterprise Group, Inc (EEG) to perform a modified lead-based paint (LBP) survey of the United States Army Reserve Center (USARC) located in Paducah, Kentucky.

A lead inspector from EEG performed the survey using a Niton Model XL309 X-ray Fluorescence (XRF) analyzer (serial # 936) to measure the lead content of various painted surfaces throughout the building. The inspection was performed using modified guidelines of the U.S. Department of Housing and Urban Development (HUD) Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing, June 1995 and 1997. The inspector visually examined the building and grouped similar components together for survey purposes. The inspector then selected a small number of the grouped components for survey to obtain a representative characteristic analysis of similar components throughout the building. Dust and soil samples were not collected.

U.S. Environmental Protection Agency (EPA) and HUD guidelines specify a positive determination of lead in paint when the lead content is equal to or greater than 1.0 milligram of lead per square centimeter (mg/cm^2) using an XRF analyzer. A negative classification does not necessarily mean the component is lead free. The Occupational Safety and Health Administration (OSHA) Lead in Construction Standard (29 CFR 1926.62) defines lead based paint as any detectable amount and guidelines must be followed.

57 LBP readings and calibration checks were taken using the XRF analyzer. The components that contained consistently detectable amounts of lead were interior doors casings and the porch ceiling. The results are included as Appendix A, XRF Field Data Results.

1.0 INTRODUCTION

The United States Army Reserve, 81st Regional Support Command, retained the Environmental Enterprise Group, Inc (EEG) to perform a modified lead-based paint (LBP) survey of the United States Army Reserve Center (USARC) located in Paducah, Kentucky. Building 1, the Main Reserve Center, is a 3,250 square foot single story concrete block building constructed in 1978.

2.0 LEAD-BASED PAINT TESTING PROCEDURES

The facility was inventoried and room equivalents identified. Each room equivalent was further classified into components. The component substrate was then identified. All of these elements make up a testing combination. The following paragraphs describe the wall, room, and component description and designation:

Definition of Room Equivalent:

A room equivalent is an identifiable part of a building, such as a room, an exterior side, or an exterior area. Hallways, stairways, and exterior areas, such as loading docks, parking lots, and each side of a building, are all examples of room equivalents.

Delineation of Room Equivalent:

Each room equivalent is made up of *components*. Components may be located inside or outside a building. For example, components in a room are the ceiling, floor, walls, a door and its casing, the window sash, and window casings. The *substrate* is the material underneath the paint. Many substrates exist, however, the industry standards recommend classifying substrates into one of six substrate types: brick, concrete, drywall, metal, plaster, and wood. These substrate types are intended to include a broad range of materials. If the true substrate is not one of the six types, the substrate that most closely matches the true substrate is selected. For substrates on top of substrates, such as plaster on concrete, the substrate directly beneath the painted surface is used. The room equivalent, component, and substrate characterize a *testing combination*. In some cases,

visible color of paint may also be used to further define unique testing combinations. The *test location* is a specific area on a testing combination where the XRF instrument tests for LBP.

Exterior Structure Designations:

The exterior sides of the building are lettered, starting with the letter A. The A side of the building is the main entry side of the building. Starting on the A side, the remaining sides are lettered consecutively (B, C, D) going clockwise around the building (assuming you are viewing the building from above).

Interior Designations, Room Names, Room Sides, and Component Identification:

Unique rooms (such as halls) in the facility are named on the inspection report. If there is more than one of a certain type of named room, they are numbered. (For example, if there are three halls, they are labeled "Hall 1," "Hall 2," etc.). Other rooms, which cannot be uniquely named because the use may change, are numbered. Certain building components that are adjacent to each other and not likely to have a different painting history are grouped together in a single testing combination. Every room in the building has each of its sides lettered in accordance with the building's exterior lettering.

Sampling Strategies:

The sampling strategy adheres to the EPA Performance Characteristic Sheet for the particular XRF instrument used, as well as the manufacturer's modifications and recommendations. The XRF used for detection of LBP in these buildings was the NITON XL309 Spectrum Analyzer Lead Detector, manufactured by NITON Corporation, 74 Loomis Street, Bedford, Massachusetts 01730-0368.

Evaluation of the Quality of Inspection:

Evaluation methods include direct observation of the XRF testing, calibration checks prior to testing, periodically throughout the day, at the end of the day, and repeat testing of painted surfaces. Repeat testing entails randomly selecting and testing (in a different spot) a number of testing combinations from previously tested areas. Usually, the XRF instrument used in the original inspection is used for retesting. The repeat results are compared with the previous results of the

same testing combinations. Results should not differ from the original readings by more than the Retest Tolerance Limit, as specified in the XRF Performance Characteristic Sheet. If the difference is less than the Retest Tolerance Limit, the inspection has passed the retest. If the difference of the overall averages equals or exceeds the Retest Tolerance Limit, the procedure should be repeated with new testing combinations. If the difference of the overall averages is equal to or greater than the Retest Tolerance Limit a second time, then the inspection is considered deficient and should be re-accomplished. Appendix C includes the Quality Evaluation Results and the formula for obtaining the Retest Tolerance Limit.

3.0 IDENTIFICATION OF LEAD-BASED PAINT

Summary of Lead-Based Paint Identified in Facility:

A total 57 XRF samples and calibrations were taken throughout the building. The components that contained significant detectable amounts of lead were:

Buildings 1 - interior doors casings and the porch ceiling

OSHA Lead in Construction Standard (29 CFR 1926.62) defines lead based paint as any detectable amount and guidelines must be followed prior to disturbing these surfaces. Appendix A contains the room-by-room results of the paint sampling conducted in the facility. Appendix B shows the floor plans.

Depth Index

The Depth Index (DI) is an indication of the amount of non-lead paint covering the lead detected by the XRF. A DI less than 1.5 indicates lead near the surface layer of paint; between 1.5 and 4 indicates moderately covered lead; and greater than 4 indicates deeply buried lead.

APPENDIX A

Lead In Paint XRF Field Data Sheets

The positive (POS) and negative (NEG) results reported on the following data sheets are based on the EPA/HUD Guidelines that specify a positive determination of lead when the lead content is greater than or equal to 1.0 mg/cm² using an XRF analyzer.

USARC - Paducah 2, Kentucky
Serial #XL309-U936NR4317 Site: Date: 12/5/2003

No	XLNo	Site	Flr	Side	Room	Source	Sub	Feat	Clr	Ssec	Date/Time	DI	Result	Pbc ± Prec
1	1125				Shutter Cal					60.8	12/5/2003 13:05:30	0.0	...	NA
2	1126				Calibrate					20.0	12/5/2003 13:08:50	1.1	POS	1.15 ± 0.17
3	1127				Calibrate					20.0	12/5/2003 13:09:33	1.1	POS	1.11 ± 0.16
4	1128				Calibrate					20.0	12/5/2003 13:10:13	1.1	POS	1.14 ± 0.17
5	1129				Calibrate					20.0	12/5/2003 13:10:54	1.0	POS	1.05 ± 0.15
6	1130	Bldg 1		A	Room 100	Wall	Concrte		White	17.2	12/5/2003 13:13:36	3.4	NEG	-0.33 ± 1.04
7	1131	Bldg 1		D	Room 100	Wall	Concrte		White	21.9	12/5/2003 13:14:13	3.1	NEG	0.05 ± 0.17
8	1132	Bldg 1		C	Room 100	Wall	Drywall		Grey	5.6	12/5/2003 13:15:18	1.0	NEG	0.00 ± 0.09
9	1133	Bldg 1		C	Room 100	Door	Wood	Casing	Grey	12.2	12/5/2003 13:16:05	3.4	NEG	0.48 ± 0.35
10	1134	Bldg 1		B	Room 102	Wall	Drywall		Grey	7.9	12/5/2003 13:18:09	1.0	NEG	0.00 ± 0.12
11	1135	Bldg 1		C	Room 102	Wall	Concrte		Grey	12.6	12/5/2003 13:18:43	1.0	NEG	-0.60 ± 1.20
12	1136	Bldg 1		D	Room 102	Door	Wood	Crown mold	Grey	10.2	12/5/2003 13:19:43	4.1	NEG	0.02 ± 0.06
13	1137	Bldg 1		B	Room 102	Wall	Drywall		Grey	7.8	12/5/2003 13:20:32	3.1	NEG	0.10 ± 0.44
14	1138	Bldg 1		B	Room 105	Wall	Drywall		Grey	3.3	12/5/2003 13:21:50	1.0	NEG	0.00 ± 0.16
15	1139	Bldg 1		C	Room 105	Wall	Concrte		Grey	17.3	12/5/2003 13:22:13	1.0	NEG	-0.43 ± 1.04
16	1140	Bldg 1		A	Room 105	Door	Wood	Casing	Grey	7.8	12/5/2003 13:23:54	2.4	NEG	0.26 ± 0.28
17	1141	Bldg 1		A	Room 106	Wall	Concrte		Grey	22.0	12/5/2003 13:25:18	1.1	NEG	0.01 ± 0.07
18	1142	Bldg 1		B	Room 106	Wall	Drywall		Grey	3.3	12/5/2003 13:26:03	1.0	NEG	0.01 ± 0.16
19	1143	Bldg 1		C	Room 106	Door	Wood	Casing	Grey	5.4	12/5/2003 13:26:23	2.1	NEG	0.30 ± 0.33
20	1144	Bldg 1		A	Room 108	Wall	Concrte		Grey	12.6	12/5/2003 13:27:14	1.0	NEG	-0.94 ± 1.28
21	1145	Bldg 1		D	Room 108	Wall	Drywall		Grey	3.3	12/5/2003 13:27:50	2.1	NEG	0.03 ± 0.32
22	1146	Bldg 1		A	Room 107	Door	Wood	Casing	Grey	16.7	12/5/2003 13:28:09	3.3	NEG	0.54 ± 0.29
23	1147	Bldg 1		C	Room 107	Wall	Concrte		Grey	22.0	12/5/2003 13:29:33	1.2	NEG	0.02 ± 0.05
24	1148	Bldg 1		D	Room 107	Wall	Drywall		Grey	3.3	12/5/2003 13:30:23	6.8	NEG	0.14 ± 0.34
25	1149	Bldg 1		A	Room 107	Door	Wood	Casing	Grey	12.1	12/5/2003 13:30:40	2.8	NEG	0.48 ± 0.29
26	1150	Bldg 1		D	Room 109	Wall	Drywall		Grey	10.3	12/5/2003 13:32:05	10.0	NEG	0.13 ± 0.30
27	1151	Bldg 1		D	Room 109	Wall	Metal	Pipes	Grey	12.5	12/5/2003 13:32:40	5.1	NEG	0.45 ± 0.45
28	1152	Bldg 1		A	Room 109	Door	Wood	Casing	Grey	3.2	12/5/2003 13:33:13	1.8	INCOM	0.23 ± 0.40
29	1153	Bldg 1		A	Room 109	Door	Wood	Casing	Grey	5.5	12/5/2003 13:33:25	1.8	NEG	0.22 ± 0.26
30	1154	Bldg 1		B	Room 111	Wall	Concrte		Grey	12.6	12/5/2003 13:34:45	1.0	NEG	-0.58 ± 1.11
31	1155	Bldg 1		C	Room 111	Wall	Drywall		Grey	8.0	12/5/2003 13:35:24	1.0	NEG	0.00 ± 0.01
32	1156	Bldg 1		A	Room 111	Door	Wood	Casing	Grey	5.4	12/5/2003 13:35:49	1.9	NEG	0.08 ± 0.31
33	1157	Bldg 1		C	Room 111	Wall	Drywall		Grey	10.3	12/5/2003 13:37:00	1.0	NEG	0.01 ± 0.16

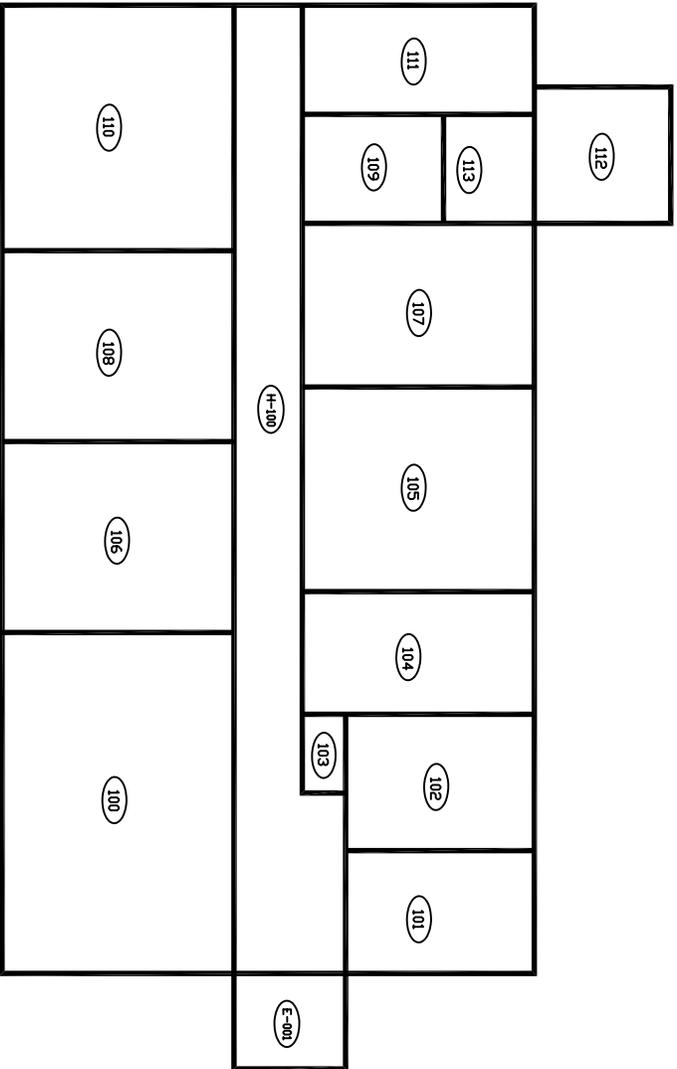
Site: Date: 12/5/2003

Paint Page 2

No	XLNo	Site	Flr	Side	Room	Source	Sub	Feat	Clr	Ssec	Date/Time	DI	Result	Pbc ± Prec
34	1158	Bldg 1		B	Hall 100	Door	Metal	Door	Grey	3.2	12/5/2003 13:37:35	1.0	NEG	0.00 ± 0.10
35	1159	Bldg 1		B	Hall 100	Door	Metal	Door	Grey	3.3	12/5/2003 13:37:47	1.0	NEG	0.00 ± 0.09
36	1160	Bldg 1		C	Hall 100	Door	Wood	Casing	Grey	10.1	12/5/2003 13:39:28	2.6	NEG	0.10 ± 0.25
37	1161	Bldg 1		C	Porch	Porch	Wood	Ceiling	White	12.0	12/5/2003 13:41:20	4.0	NEG	0.81 ± 0.50
38	1162	Bldg 1		B	Porch	Wall	Concrte		White	21.8	12/5/2003 13:41:56	1.0	NEG	0.00 ± 0.02
39	1163	Bldg 1		B	Porch	Door	Metal	Door	White	3.2	12/5/2003 13:42:54	1.0	NEG	0.00 ± 0.07
40	1164	Bldg 1		B	Porch	Door	Metal	Casing	White	3.2	12/5/2003 13:43:05	1.0	NEG	0.00 ± 0.14
41	1165	Bldg 1		A	Porch	Wall	Concrte		Green	22.0	12/5/2003 13:46:58	1.0	NEG	0.00 ± 0.04
42	1166	Bldg 1		A	Porch	Ceiling	Concrte		White	3.3	12/5/2003 13:47:59	1.0	NEG	0.00 ± 0.14
43	1167	Bldg 1		B	Porch	Door	Wood	Casing	Brown	5.3	12/5/2003 13:48:27	1.9	NEG	0.29 ± 0.32
44	1168	Bldg 1		B	Porch	Door	Wood	Door	Brown	3.3	12/5/2003 13:49:01	1.0	NEG	0.00 ± 0.01
45	1169	Bldg 1		B	Room 113	Wall	Concrte		Beige	12.6	12/5/2003 13:50:23	3.1	NEG	-0.55 ± 1.15
46	1170	Bldg 1		C	Room 113	Door	Metal	Casing	White	3.3	12/5/2003 13:51:02	1.0	NEG	0.00 ± 0.07
47	1171	Bldg 1		C	Room 113	Door	Metal	Casing	White	3.2	12/5/2003 13:51:14	1.5	NEG	0.01 ± 0.22
48	1172	Bldg 1		D	Room 112	Door	Metal	Door	White	3.3	12/5/2003 13:52:02	1.0	NEG	0.00 ± 0.05
49	1173	Bldg 1		D	Room 112	Door	Metal	Casing	White	7.7	12/5/2003 13:52:14	2.3	NEG	0.33 ± 0.30
50	1174	Bldg 1		D	Room 104	Wall	Drywall		Grey	3.3	12/5/2003 13:55:33	1.0	NEG	0.00 ± 0.14
51	1175	Bldg 1		D	Room 104	Door	Wood	Casing	Grey	9.8	12/5/2003 13:55:47	4.3	NEG	0.64 ± 0.56
52	1176	Bldg 1		C	Room 104	Wall	Concrte		Grey	22.0	12/5/2003 13:56:16	1.9	NEG	0.02 ± 0.11
53	1177	Bldg 1		C	Room 110	Wall	Concrte		Grey	5.6	12/5/2003 13:58:06	1.0	NEG	0.00 ± 0.10
54	1178	Bldg 1		C	Room 110	Door	Wood	Casing	Grey	12.2	12/5/2003 13:58:31	3.2	NEG	0.42 ± 0.32
55	1179				Calibrate					20.1	12/5/2003 14:00:58	1.1	POS	1.11 ± 0.16
56	1180				Calibrate					20.1	12/5/2003 14:01:37	1.0	POS	1.06 ± 0.15
57	1181				Calibrate					20.1	12/5/2003 14:02:18	1.1	POS	1.13 ± 0.16

APPENDIX B

Facility Floor Plans and Photographs



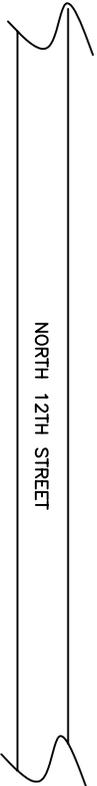
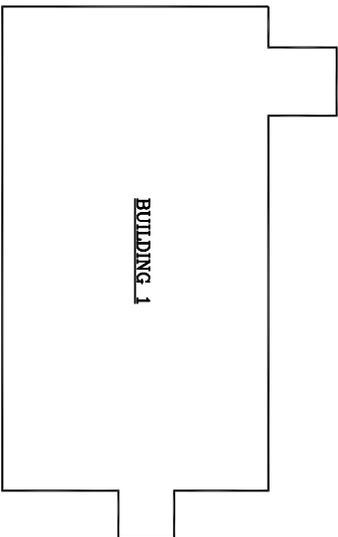
A

B

C

D

<p>ENVIRONMENTAL ENTERPRISE GROUP, INC. 1345 BARRACKS ROAD NORTH CHARLESTON, SOUTH CAROLINA 29405</p>			
<p>FLOOR PLAN BUILDING 1 PADUCAH ARC (KY064), PADUCAH, KY</p>			
DATE	PREPARED BY:	DRAWN BY:	REV
03-22-04	T. LEWIS	J.I. BROWNLEE	-
SCALE	DWG NUMBER	SHEET	
NONE	PADUCAH_KY_ARC_BLDG1	1 OF 1	



ENVIRONMENTAL ENTERPRISE GROUP, INC.
1345 BARRACKS ROAD
NORTH CHARLESTON, SOUTH CAROLINA 29405

SITE MAP
PADUCAH ARC (KY064)
PADUCAH, KY

DATE	03-22-04	PREPARED BY:	T. LEWIS	DRAWN BY:	J.I. BROWNLEE	REV	-
SCALE	NONE	DWG NUMBER	PADUCAH_KY_ARC_SITE_MAP	SHEET	1 OF 1		



BUILDING 1 – MAIN RESERVE CENTER – PADUCAH-2, KY

APPENDIX C

Quality Evaluation Results

Lead-Based Paint Survey Report
Quality Evaluation Results

Original XRF #	Original Result	Retest XRF#	Retest Result	Average	Squared
1134	0.0000	1137	0.1000	0.0500	0.0025
1146	0.5400	1149	0.4800	0.5100	0.2601
1155	0.0000	1157	0.0100	0.0050	0.0000
1158	0.0000	1159	0.0000	0.0000	0.0000
1170	0.0000	1171	0.0100	0.0050	0.0000
Total	0.5400		0.6000	0.5700	0.2627

Original Reading Average **0.1080**
Retest Reading Average **0.1200**
 -0.0120

Absolute Difference 0.0120

$$\begin{aligned}
 C &= 0.2627 \\
 D &= 0.2627 \times 0.0072 = 0.0019 \\
 E &= 0.0019 + 0.0320 = 0.0339 \\
 F &= 0.0339 \text{ sqrt} = 0.1841 \\
 \text{Retest Tolerance Limit} &= 0.1841 \times 1.645 = 0.3028
 \end{aligned}$$

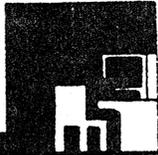
Retest Tolerance Limit = 0.3028
Absolute Difference = 0.0120

Inspection passed retest: 0.0120 < 0.3028

The Retest Tolerance Limit was computed using the following steps

1. Calculate the average of the original XRF result and retest XRF result for each combination.
2. Square the average of each testing combination
3. Add the ten squared averages together. This quantity is called C.
4. Multiply the number C by 0,0072. This quality is called D.
5. Add the number 0.032 to D. This quantity is called E.
6. Take the square root of E. Call this quantity F.
7. Multiply F by 1.645. The result is the Retest Tolerance Limit.
8. Find the absolute difference of the two averages.

If the absolute difference is less than the Retest Tolerance Limit, the inspection has passed retest. If the difference of the overall averages equals or exceeds the Retest Tolerance Limit, the procedure should be repeated with ten new testing combinations. If the difference of the overall averages is equal to or greater than the Retest Tolerance Limit a second time, the inspection is considered deficient. Retest Tolerance was performed in accordance with HUD/EPA Performance Characteristics Sheet for Niton XRF instruments.



Green Consulting Services

August 9, 1998

81" RSC DCS ENGR
ATTN: AFRC-CAL-ENO-TN (CPT GEORGE)
443 Donelson Pike
Nashville, TN 37214-3558

SUBJECT: Identification of Polychlorinated Biphenyl (PCB) Containing Transformers

Captain George:

This report is in accordance with 40 CFR 761.30 (1) (vii), as of December 1, 1985, which states that PCB transformer owners must register transformers located on or near commercial buildings with the building owner of record. The facility analyzed in this report is as follows:

USARC (Park Avenue)
P.O. Box 7158
Paducah, KY 42002-7158

Number of Transformers	4
Do any of the transformer(s) located on or near the facility contain PCB?	ALL CONSIDERED "NON PCB" ONE TRANSFORMER IS \leq 500PPM, THREE TRANSFORMERS TESTED WITH LESS THAN 2PPM ON 12 MAR 1989
If none of the transformers contain PCB, what dielectric fluid is used?	UNKNOWN

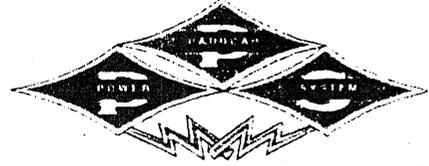
In addition to identifying the presence of PCB in transformers, this report also identifies the percentage of the ballasts on the property which have been retrofitted since 1980. This serves to identify the presence of PCB in the ballasts on the property.

Percentage of ballasts which have been retrofitted?	100%
---	------

Sincerely,

Lance Green
Green Consulting Services

PADUCAH POWER SYSTEM



1500 Broadway - P.O. Box 180 * Paducah, Kentucky 42002-0180 * Phone (502) 575-4000 * FAX (502) 575-4027

April 21, 1998

Green Consulting Services
ATTN: Mr. Lance Green
804 Lassen Ct.
Antioch, TN 37013

RE: Identification of Polychlorinated
Biphelyl (PCB) containing transformers

Dear Mr. Green:

For your information, Paducah Power System owns four (4) transformers on the United States Army Reserve property located at 2956 Park Ave., Paducah, KY.

Three of these transformers are contained with-in a transclosure and were tested for PCB's on March 12, 1989 with less than two parts per million being the results.

The other transformer is a three-phase transformer certified non-PCB.

If you should need additional information concerning this matter, please feel free to contact me at (502) 575-4029.

Very truly yours,
PADUCAH POWER SYSTEM

A handwritten signature in cursive script that reads "Donald G. Baker".

Donald G. Baker
Distribution Engineer

DGB/jo

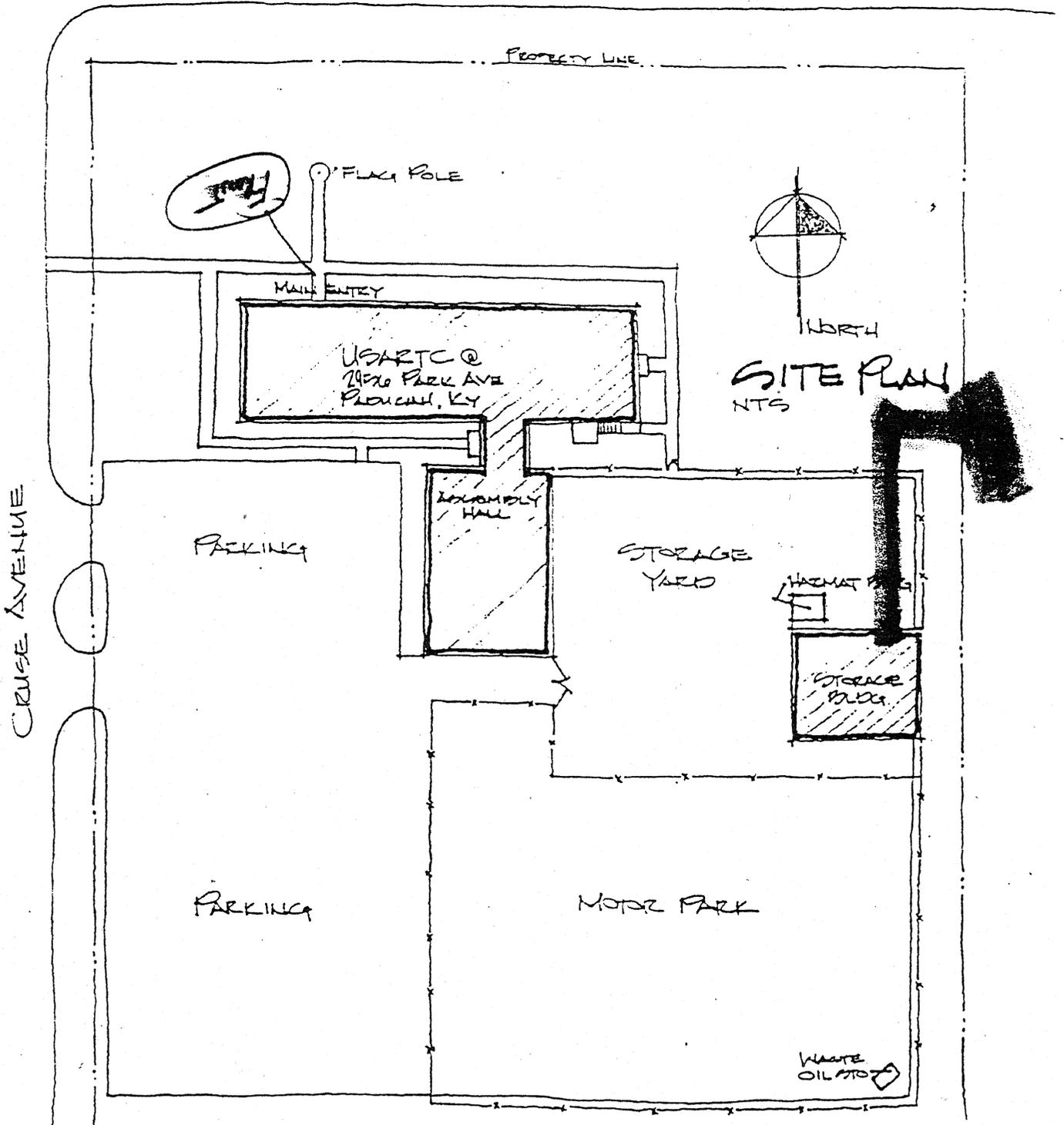
PADUCAH

PARK AVE

PADUCAH
POWER

502-575-4000

PARK AVENUE





REPLY TO
ATTENTION OF:

K4001
K4003
K4006
K4007
30 June 1993
K4008
K4011
K4034
K4035
K4037
K4041
K4049
K4051
K4054
K4061
K4062

AFRC-ATN-EN (200)

MEMORANDUM FOR SEE DISTRIBUTION

SUBJECT: Radon Testing Results

1. Enclosed is a list of radon results for the 100th Division and the 125th U.S. Army Reserve Command. According to the United States Environmental Protection Agency, radon levels below 4.0 picoCuries/liter (pCi/l) are considered within acceptable limits. No further action is required for those listed centers with levels below 4.0 pCi/l. Continued monitoring will be required for Owensboro and David Barrow.

K4064
K4069
K4072
K4086

2. Please return your canister if your center has not done so and notify us if the canister has been tampered with. See enclosed list of centers that have not returned radon canisters.

3. Refer questions to Peggy Harker or Bob Meadows at (615)885-8700 or (502)624-8521, respectively, for further questions.

FOR THE COMMANDER:

KENNETH N. WILLIAMSON
Command Executive Officer

Encl

DISTRIBUTION:

- COMMANDER,
- 100th Division (Training), ATTN: Engineer (Steve Smuckiewicz), 3660 Century Division Way, Louisville, KY 40205
- 100th Division (Training), ATTN: Facility Manager, 2660 Century Division Way, Louisville, KY 40205
- 2085th U.S. Army Reserve Forces School, ATTN: Facility Manager, 1051 Russell Cave Road, Lexington, KY 40505-3494
- 168th Support Group, HHC, ATTN: Facility Manager, 2 Gast Boulevard, Louisville, KY 40205-3102
- 590th Personnel Services Company, ATTN: Facility Manager, 2 Gast Boulevard, Louisville, KY 40205-3102
- AMSA 70 (G) and 139th Military Law Center, ATTN: Facility Manager, 2720 Cannons Lane, Louisville, KY 40505-3101
- 335th Military Intelligence Company, ATTN: Facility Manager, 2720 Cannons Lane, Louisville, KY 40505
- 2074TH U.S. Army Reserve Forces School, ATTN: Facility Manager, 211 Browns Lane, Louisville, KY 40207

AFRC-ATN-EN

SUBJECT: Radon Testing Results

DISTRIBUTION: (Continued)

672nd General Supply Company, ATTN: Facility Manager, 1700 B. Fortune Court, Lexington, KY 40505-4149
810th Convalescent Center, ATTN: Facility Manager, 151 Vo-Tech Road, Lexington, KY 40510
143rd Judge Advocate General Detachment, ATTN: Facility Manager, 151 Vo-Tech Road, Lexington, KY 40510
888th Medical Detachment, ATTN: Facility Manager, 151 Vo-Tech Road, Lexington, KY 40510
400th General Supply Company, ATTN: Facility Manager, P.O. Box 458, Maysville, KY 41056-0458
ECS/AMSA 63 (G), ATTN: Facility Manager, 5901 Main Range Road, P.O. Box 388, Fort Knox, KY 40121-5730
3346th U.S. Army Dental Services Detachment, ATTN: Facility Manager, U.S. Army Reserve Center, Bldg T-560, P.O. Box 85, Fort Knox, KY 40121-5000
19th Engineer Battalion, ATTN: Facility Manager, Co D, U.S. Army Reserve Center, Bldg 570, P.O. Drawer 938, Fort Knox, KY 40212-5000
AMSA #68 (G), ATTN: Facility Manager, 1051 Russell Cave Road, Lexington, KY 40505-3494
AMSA #71, ATTN: Facility Manager, Bldg 100, Brooks-Lawler U.S. Army Reserve Training Center, Fort Thomas, KY 41075-2393
478th Engineer Battalion, ATTN: Facility Manager, Brooks-Lawler U.S. Army Reserve Center, Fort Thomas, KY 41075-2393
478th Engineer Battalion, Company D, ATTN: Facility Manager, 175 Adams Drive, Pikeville, KY 41501-9300
478th Engineer Battalion, Company A and Company B, ATTN: Facility Manager, Brooks-Lawler U.S. Army Reserve Center, Fort Thomas, KY 41075-2393
478th Engineer Battalion, Company C, ATTN: Facility Manager, 12410 Midland Trail, Ashland, KY 41101-9300

RADON TESTING COMPLETED

CENTER (100 TH DIV)	(RESULTS)
HOPKINSVILLE	<4.0
HARDINBURG	<4.0
OWENSBORO	<4.0
BOWMAN FIELD	*>4.0 (7.2-1.0-1.2-0.9-0.9-0.9)
PADUCAH	<4.0
MAYFIELD	<4.0
MURRAY	<4.0
GREENVILLE	<4.0
MADISONVILLE	<4.0
LEBANON (HQS 2/397TH)	<4.0
SOMMERSET	<4.0
CORBIN	<4.0
HOPKINSVILLE	<4.0
DAVID BARROW	<4.0
WINCHESTER	<4.0
MT STERLING	<4.0
MOREHEAD	<4.0
FLEMMINGSBURG	<4.0
SCOTTSVILLE	<4.0
BURKSVILLE	<4.0
BOWLINGGREEN	<4.0
GEORGETOWN (HQS)	<4.0
CYTHIANA (TRP "A")	<4.0
PARIS (TRP "B")	<4.0
DAVID BARROW	<4.0
ST HELENS (TRP "C")	<4.0
IRVINE (TRP "D")	<4.0
BAREA (HQS/TRP "E") 1/397TH	<4.0
RICHMOND (HQS/TRP "E") 1/397TH	<4.0

29

NOTE: * INDICATES RADON LEVELS ABOVE 4.0
 RADON LEVELS OF <4.0 ARE WITHIN THE ACCEPTABLE LIMITS
 RADON LEVELS OF >4.0 ARE ABOVE THE ACCEPTABLE LEVEL
 AND REQUIRE RETESTING

RADON TESTING COMPLETED

CENTER (125TH DIV)

(RESULTS)

2085TH USARF, DAVID BARROW	* >4.0	(9.9-6.6-6.8)
168TH SPT GP, HHC, BMN#2 (MAJOR)	<4.0	
590TH PSC, (MAJOR)	<4.0	
AMSA 139TH MLC, BMN#2, (HANGER#7)	<4.0	
335TH MI CO, BMN#2, (HANGER#7)	<4.0	
2074TH USAR SCH, (BROWNS LN)	<4.0	
672ND GEN SUP CO, (FORTUNE CT)	<4.0	
810 CONV CTR, (VOTECH RD)	<4.0	
143RD JAG DET, (VOTECH RD)	<4.0	
888TH VET DET, (VOTECH RD)	<4.0	
400TH GEN SUP CO, (MAYSVILLE)	<4.0	
AMSA #63, ECS, (FT KNOX)	<4.0	
3346TH MED DET, (FT KNOX)	<4.0	
194TH EN, CO D, (FT KNOX)	<4.0	
AMSA #68, 139TH MLC, (DAVID BARROW)	<4.0	
AMSA 71 (G) (BROOKS LAWLER)	<4.0	
(478TH EN BN)	<4.0	
CO D, (PIKEVILLE)	<4.0	
HHC, A&B CO, (BROOKS LAWLER)	<4.0	
C CO, (ASHLAND)	<4.0	
Bardstow n	<4.0	

NOTE: *INDICATES RADON LEVELS ABOVE 4.0
 RADON LEVELS OF <4.0 ARE WITHIN THE ACCEPTABLE LIMITS
 RADON LEVELS OF >4.0 ARE ABOVE ACCEPTABLE LEVELS
 AND REQUIRE RETESTING

RADON TESTING
(DETECTORS NOT RECEIVED)

(CENTER) (100TH DIV)

- DANVILLE
- ✓ FRANKFORT
- HARLAN
- ✓ HARRODSBURG
- HAZARD
- ✓ MANCHESTER
- ✓ MIDDLESBORO
- ✓ NICHOLASVILLE
- ✓ WHITESBURG

✓ closed

APPENDIX E

REGULATORY DATABASE SEARCH REPORTS



EDR® Environmental
Data Resources Inc

The EDR Aerial Photo Decade Package

**Paducah #2 KY064
2001 North 12th Street
Paducah, KY 42001**

Inquiry Number: 1715887.21

July 14, 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

EDR Aerial Photo Decade Package

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

This document reports that EDR searched its own collection or select outside repository collections of aerial photography, and based on client-supplied target property information, aerial photography, including the target property was not deemed reasonably ascertainable by Environmental Data Resources, Inc. (EDR). This no coverage determination reflects a search only of aerial photography repository collections that EDR accessed. It can not be concluded from this search that no coverage for the target property exists anywhere, in any collection.

NO COVERAGE

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

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EDR® Environmental
Data Resources Inc

The EDR-City Directory
Abstract

Paducah #2 KY064
2001 North 12th Street
Paducah, KY 42001

Inquiry Number: 1715887.22

Tuesday, July 18, 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

EDR City Directory Abstract

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening report designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Thank you for your business.

Please contact EDR at 1-800-352-0050
with any questions or comments.

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SUMMARY

- ***City Directories:***

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1954 through 2006. (These years are not necessarily inclusive.) A summary of the information obtained is provided in the text of this report.

Date EDR Searched Historical Sources: July 18, 2006

Target Property:

2001 North 12th Street
Paducah, KY 42001

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1954	Address Not Listed in Research Source	Caron Directory Co
1963	Address Not Listed in Research Source	Caron Directory Co
1966	Address Not Listed in Research Source	Caron Directory Co
1971	Address Not Listed in Research Source	Caron Directory Co
1976	Address Not Listed in Research Source	Caron Directory Co
1981	Address Not Listed in Research Source	Caron Directory Co
1986	U S Army Reserve Training Center	Caron Directory Co
1991	U S Army Reserve Training Center	Polk's City Directory
1996	U S Army Reserve Training Center	Polk's City Directory
2001	U S Army Reserve Training Center	Polk's City Directory
2006	U S Army Reserve Training Center	Polk's City Directory

Adjoining Properties

SURROUNDING

Multiple Addresses
Paducah, KY 42001

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1954	<u>** NORTH 12TH STREET**</u>	Caron Directory Co
	No address listings beyond 1742 North 12th Street	Caron Directory Co
1963	<u>** NORTH 12TH STREET**</u>	Caron Directory Co
	No address listings beyond 1742 North 12th Street	Caron Directory Co
1966	<u>** NORTH 12TH STREET**</u>	Caron Directory Co

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1966	No address listings beyond 1742 North 12th Street	Caron Directory Co
1971	<u>** NORTH 12TH STREET**</u>	Caron Directory Co
	No address listings beyond 1742 North 12th Street	Caron Directory Co
1976	<u>** NORTH 12TH STREET**</u>	Caron Directory Co
	No address listings beyond 1742 North 12th Street	Caron Directory Co
1981	<u>** NORTH 12TH STREET**</u>	Caron Directory Co
	No address listings beyond 1742 North 12th Street	Caron Directory Co
1986	<u>** NORTH 12TH STREET**</u>	Caron Directory Co
	No addresses listed in 1900- 2199 block North 12th St	Caron Directory Co
	No address listings beyond the Target Property	Caron Directory Co
1991	<u>** NORTH 12TH STREET**</u>	Polk's City Directory
	No addresses listed in 1900- 2199 block North 12th St	Polk's City Directory
	No address listings beyond the Target Property	Polk's City Directory
1996	<u>** NORTH 12TH STREET**</u>	Polk's City Directory
	No addresses listed in 1900- 2199 block North 12th St	Polk's City Directory
	No address listings beyond the Target Property	Polk's City Directory
2001	<u>** NORTH 12TH STREET**</u>	Polk's City Directory
	No addresses listed in 1900- 2199 block North 12th St	Polk's City Directory
	No address listings beyond the Target Property	Polk's City Directory
2006	<u>** NORTH 12TH STREET**</u>	Polk's City Directory
	No addresses listed in 1900- 2199 block North 12th St	Polk's City Directory
	No address listings beyond the Target Property	Polk's City Directory



EDR® Environmental
Data Resources Inc

The EDR Radius Map with GeoCheck®

**Paducah #2 KY064
2001 North 12th Street
Paducah, KY 42001**

Inquiry Number: 01752279.2r

September 11, 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

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	6
Orphan Summary	14
Government Records Searched/Data Currency Tracking	GR-1
 <u>GEOCHECK ADDENDUM</u>	
Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting Source Map	A-8
Physical Setting Source Map Findings	A-9
Physical Setting Source Records Searched	A-21

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Please contact EDR at 1-800-352-0050
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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

2001 NORTH 12TH STREET
PADUCAH, KY 42001

COORDINATES

Latitude (North): 37.092600 - 37° 5' 33.4"
Longitude (West): 88.628300 - 88° 37' 41.9"
Universal Transverse Mercator: Zone 16
UTM X (Meters): 355287.2
UTM Y (Meters): 4106181.8
Elevation: 350 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 37088-A6 PADUCAH WEST, KY
Most Recent Revision: 1982

East Map: 37088-A5 PADUCAH EAST, KY
Most Recent Revision: 1982

TARGET PROPERTY SEARCH RESULTS

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

DATABASES WITH NO MAPPED SITES

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

FEDERAL RECORDS

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
Delisted NPL..... National Priority List Deletions
NPL RECOVERY..... Federal Superfund Liens
CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP..... CERCLIS No Further Remedial Action Planned

EXECUTIVE SUMMARY

CORRACTS	Corrective Action Report
RCRA-TSDF	Resource Conservation and Recovery Act Information
RCRA-LQG	Resource Conservation and Recovery Act Information
ERNS	Emergency Response Notification System
HMIRS	Hazardous Materials Information Reporting System
US ENG CONTROLS	Engineering Controls Sites List
US INST CONTROL	Sites with Institutional Controls
DOD	Department of Defense Sites
FUDS	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
ODI	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

SWF/LF	Solid Waste Facilities List
HIST LF	Historical Landfills
SB193	SB193 Branch Site Inventory List
INST CONTROL	State Superfund Database
VCP	Voluntary Cleanup Program Sites
DRYCLEANERS	Drycleaner Listing
NPDES	Permitted Facility Listing
LEAD	Environmental Lead Program Report Tracking Database

TRIBAL RECORDS

INDIAN RESERV	Indian Reservations
INDIAN LUST	Leaking Underground Storage Tanks on Indian Land
INDIAN UST	Underground Storage Tanks on Indian Land

EDR PROPRIETARY RECORDS

Manufactured Gas Plants... EDR Proprietary Manufactured Gas Plants

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

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

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

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

EXECUTIVE SUMMARY

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 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.

A review of the RCRA-SQG list, as provided by EDR, and dated 06/13/2006 has revealed that there is 1 RCRA-SQG site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
AIR PRODUCTS AND CHEMICALS, IN	2020 NORTH TENTH STREET	1/8 - 1/4NW	4	10

STATE AND LOCAL RECORDS

SHWS: The State Hazardous Waste Sites 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. The data come from the Department of Environmental Protection's Uncontrolled Site Branch List.

A review of the SHWS list, as provided by EDR, and dated 06/28/2006 has revealed that there is 1 SHWS site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
PADUCAH TRANSFER STATION Facility Status: Closed	829 BURNETT ST	1/2 - 1 E	6	13

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Protection's Owner/Facility Report of All Tanks Regardless of Status list.

A review of the UST list, as provided by EDR, and dated 07/11/2006 has revealed that there are 4 UST sites within approximately 0.25 miles of the target property.

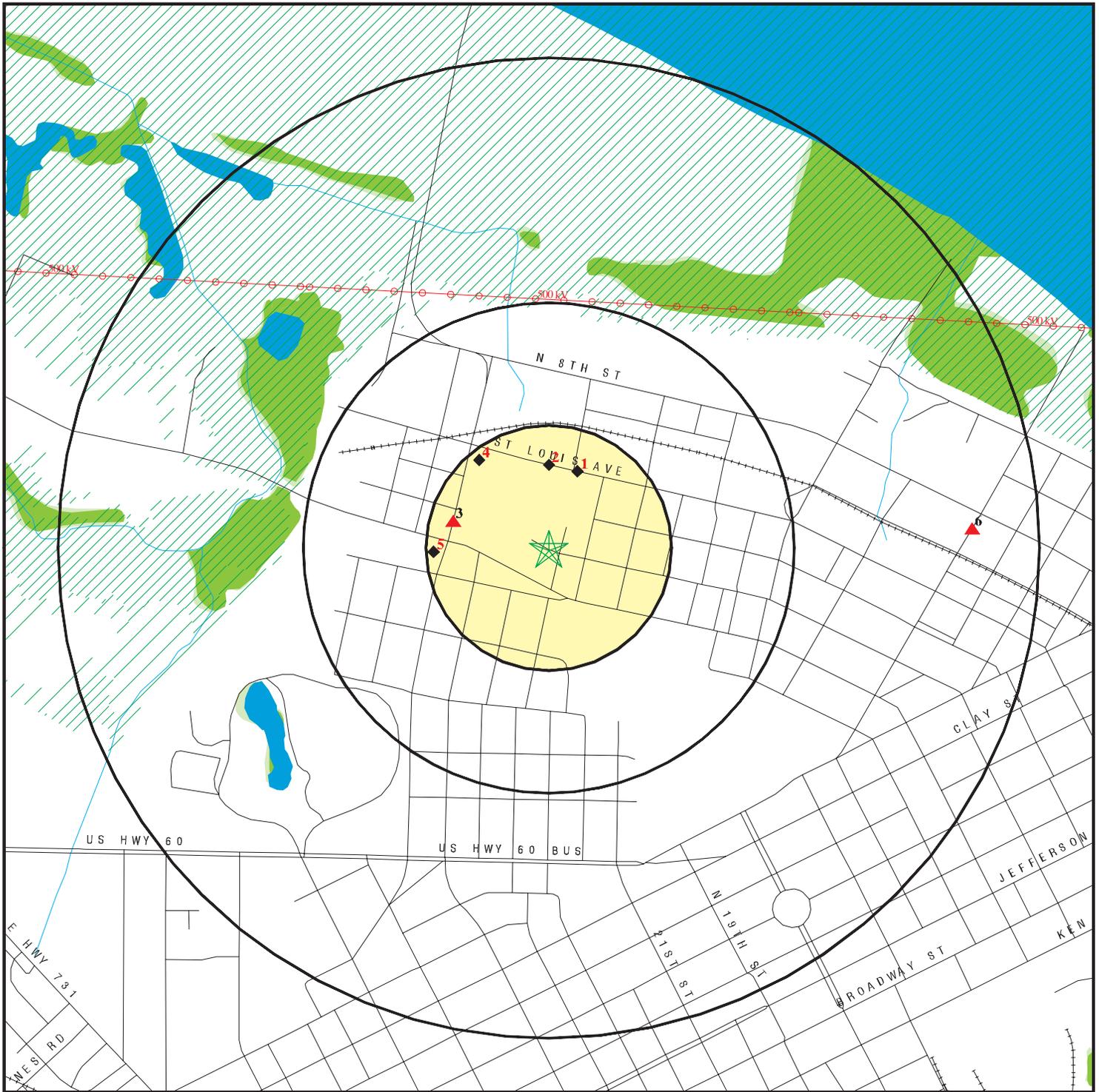
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
TREADS AUTO STORE	1221 N H C MATHIS DR	1/8 - 1/4 WNW	3	8
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
DISTRIBUTORS WAREHOUSE	1900 N 10TH	1/8 - 1/4 NNE	1	6
AIR PRODUCTS & CHEMICALS INC	2020 N 10TH ST	1/8 - 1/4 N	2	7
SUNOCO	2301 OLD CAIRO RD	1/8 - 1/4 W	5	11

EXECUTIVE SUMMARY

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

<u>Site Name</u>	<u>Database(s)</u>
PADUCAH GASEOUS DIFFUSION PLANT/US	FINDS, FTTS
P D Q INC (073.08)	CERC-NFRAP
PADUCAH SANITARY LDFL (73.02)	CERC-NFRAP
GUPTON'S GROCERY	SB193
PADUCAH SOLID WASTE COMPOSTING FAC	SWF/LF
COMMERCIAL WASTE DISPOSAL INC TRAN	SWF/LF
PADUCAH WWTP	SWF/LF
PADUCAH MCCRACKEN WWTP	SWF/LF
TRIANGLE INSULATION & SHEET METAL	UST
PADUCAH CITY HALL	UST
PADUCAH ETHER COMPLIANT (2)	RCRA-SQG, FINDS
SUNOCO SERVICE STATION	RCRA-SQG, FINDS
BRANDEIS MACHINERY & SUPPLY CORP.	RCRA-SQG, FINDS
MM 2.5 TENNESSEE RIVER MOORED IN F	ERNS
1810 SOUTH 4TH ST MILE 3.2	ERNS
BEHIND PADUCAH RIVER SERVICE SHIPY	ERNS
BIG BAYOU ,PADUCAH GASEOUS DIFFUSI	ERNS
PADUCAH, CITY OF	FINDS
WHAYNE SUPPLY COMPANY PADUCAH	ICIS
REIDLAND GRAVEL PIT	HIST LF

OVERVIEW MAP - 01752279.2r



- ★ 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

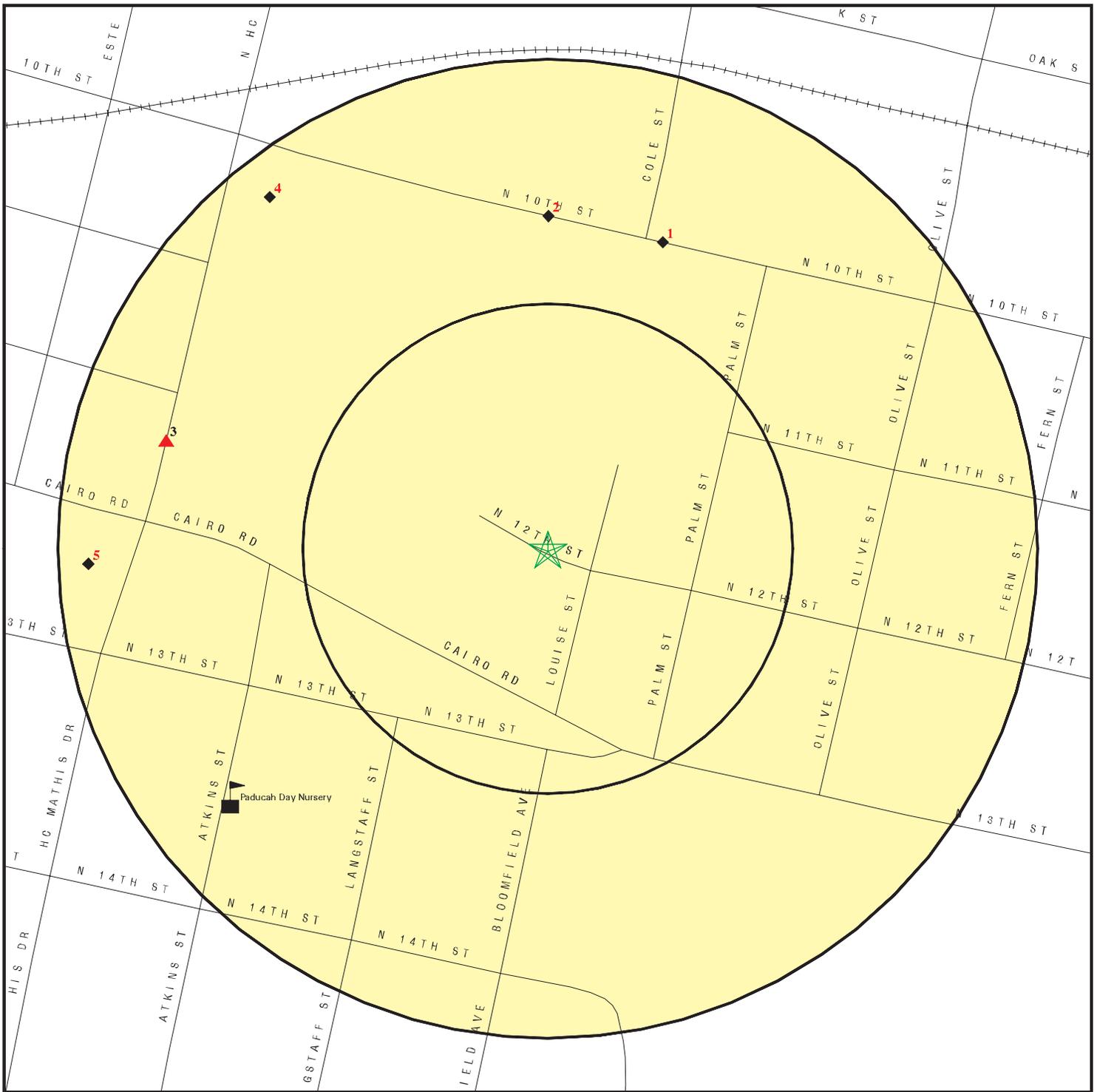
- Indian Reservations BIA
- ⚡ Power transmission lines
- ⚡ Oil & Gas pipelines
- ▨ 100-year flood zone
- ▨ 500-year flood zone
- National Wetland Inventory
- State Wetlands

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

SITE NAME: Paducah #2 KY064
 ADDRESS: 2001 North 12th Street
 Paducah KY 42001
 LAT/LONG: 37.0926 / 88.6283

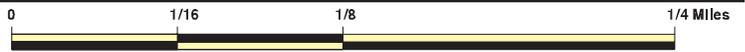
CLIENT: Geo Consultants LLC
 CONTACT: Larry Copeland
 INQUIRY #: 01752279.2r
 DATE: September 11, 2006 11:30 am

DETAIL MAP - 01752279.2r



-  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

-  Indian Reservations BIA
-  Oil & Gas pipelines
-  100-year flood zone
-  500-year flood zone



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

SITE NAME: Paducah #2 KY064
 ADDRESS: 2001 North 12th Street
 Paducah KY 42001
 LAT/LONG: 37.0926 / 88.6283

CLIENT: Geo Consultants LLC
 CONTACT: Larry Copeland
 INQUIRY #: 01752279.2r
 DATE: September 11, 2006 11:30 am

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<u>FEDERAL RECORDS</u>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
NPL RECOVERY	TP		NR	NR	NR	NR	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.500	0	0	0	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRA TSD		0.500	0	0	0	NR	NR	0
RCRA Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRA Sm. Quan. Gen.		0.250	0	1	NR	NR	NR	1
ERNS	TP		NR	NR	NR	NR	NR	0
HMIRS	TP		NR	NR	NR	NR	NR	0
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
<u>STATE AND LOCAL RECORDS</u>								
State Haz. Waste		1.000	0	0	0	1	NR	1
State Landfill		0.500	0	0	0	NR	NR	0
HIST LF		0.500	0	0	0	NR	NR	0
SB193		0.500	0	0	0	NR	NR	0
UST		0.250	0	4	NR	NR	NR	4
INST CONTROL		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
LEAD	TP		NR	NR	NR	NR	NR	0
<u>TRIBAL RECORDS</u>								
INDIAN RESERV		1.000	0	0	0	0	NR	0

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Target Property</u>	<u>Search Distance (Miles)</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>
INDIAN LUST		0.500	0	0	0	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
<u>EDR PROPRIETARY RECORDS</u>								
Manufactured Gas Plants		1.000	0	0	0	0	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

1 **DISTRIBUTORS WAREHOUSE**
NNE **1900 N 10TH**
1/8-1/4 **PADUCAH, KY 42001**
882 ft.

UST **U000807527**
N/A

Relative:
Lower

UST:

Actual:
340 ft.

Sequence Id: 3253073
 Facility ID: 65769
 Subject Item Id: 1
Tank Status: **Verified Removal**
 Inert Material Code: Not reported
 Tank Material: Single Wall Steel
 Tank External Protection: Manual Tank Gauging
 Tank Internal Protection: None
 Tank Overfill Protection: None
 Pipe Material: Single Wall Steel
 Pipe External Protection: None
 Pipe Type: Suction
 Pipe Release Detection: Check Valve
 Pipe Rel Detect Suc Code: CKV
 Pipe Leak Detect Code: NON
 Installation Date: 01/01/85
 Closed In Place Date: Not reported
 Relined Date: Not reported
 Last Contained Date: Not reported
 Closed in Place Date: Not reported
 Removed Date: 05/11/98
 Change in Service Date: Not reported
 Tank Pit Num: Not reported
 Compartment Num: 1
 Tank Substance Code: DSL
 Capacity in Gallons: 2000
 Tank Manufctr Code: Not reported
 Pipe Manufctr Code: Not reported
 Last Tank Test Date: Not reported
 Last Pipe Test Date: Not reported
 Lining Insp Date: Not reported
 Last Cp Test Date: Not reported
 Added To Flex Date: Not reported
 Added To Piping Date: Not reported
 Added To Tank Date: Not reported
 Piping Installation Date: Not reported
 Owner Name: Duke & Long Dist Co Inc
 Owner Address: 625 S 4TH ST
 Owner City,St,Zip: Paducah, KY 42002
 Owner Phone: 270-575-6244
 Latitude: Not reported
 Longitude: Not reported
 Subject Item Category Code: 65TOR
 Internal Document ID: 0

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

2
North
1/8-1/4
897 ft.

AIR PRODUCTS & CHEMICALS INC
2020 N 10TH ST
PADUCAH, KY 42001

UST **U000811698**
 N/A

Relative:
Lower

UST:

Actual:
340 ft.

Sequence Id: 9366073
 Facility ID: 68456
 Subject Item Id: 1
Tank Status: Verified Removal
 Inert Material Code: Not reported
 Tank Material: Single Wall Steel
 Tank External Protection: None
 Tank Internal Protection: Unknown
 Tank Overfill Protection: Unknown
 Pipe Material: Single Wall Steel
 Pipe External Protection: Unknown
 Pipe Type: Unknown
 Pipe Release Detection: Unknown
 Pipe Rel Detect Suc Code: UNK
 Pipe Leak Detect Code: NON
 Installation Date: 01/01/76
 Closed In Place Date: Not reported
 Relined Date: Not reported
 Last Contained Date: Not reported
 Closed in Place Date: Not reported
 Removed Date: 11/19/91
 Change in Service Date: Not reported
 Tank Pit Num: Not reported
 Compartment Num: 1
 Tank Substance Code: DSL
 Capacity in Gallons: 2000
 Tank Manufctr Code: Not reported
 Pipe Manufctr Code: Not reported
 Last Tank Test Date: Not reported
 Last Pipe Test Date: Not reported
 Lining Insp Date: Not reported
 Last Cp Test Date: Not reported
 Added To Flex Date: Not reported
 Added To Piping Date: Not reported
 Added To Tank Date: Not reported
 Piping Installation Date: Not reported
 Owner Name: Air Products & Chemicals Inc
 Owner Address: Po Box 97
 Owner City,St,Zip: Calvert City, KY 42029
 Owner Phone: 1-270-395-56
 Latitude: Not reported
 Longitude: Not reported
 Subject Item Category Code: 65TOR
 Internal Document ID: 0

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

3
 WNW
 1/8-1/4
 1069 ft.

TREADS AUTO STORE
 1221 N H C MATHIS DR
 PADUCAH, KY 42001

UST U003180544
 N/A

Relative:
 Equal

UST:

Actual:
 350 ft.

Sequence Id: 1030073
 Facility ID: 69800
 Subject Item Id: 1
Tank Status: Verified Removal
 Inert Material Code: Not reported
 Tank Material: Single Wall Steel
 Tank External Protection: None
 Tank Internal Protection: Unknown
 Tank Overfill Protection: None
 Pipe Material: Single Wall Steel
 Pipe External Protection: Unknown
 Pipe Type: Suction
 Pipe Release Detection: None
 Pipe Rel Detect Suc Code: NON
 Pipe Leak Detect Code: NON
 Installation Date: 01/01/01
 Closed In Place Date: 6/12/1997 12:00:00 AM
 Relined Date: Not reported
 Last Contained Date: Not reported
 Closed in Place Date: Not reported
 Removed Date: 07/22/97
 Change in Service Date: Not reported
 Tank Pit Num: Not reported
 Compartment Num: 1
 Tank Substance Code: GAS
 Capacity in Gallons: 3000
 Tank Manufctr Code: Not reported
 Pipe Manufctr Code: Not reported
 Last Tank Test Date: Not reported
 Last Pipe Test Date: Not reported
 Lining Insp Date: Not reported
 Last Cp Test Date: Not reported
 Added To Flex Date: Not reported
 Added To Piping Date: Not reported
 Added To Tank Date: Not reported
 Piping Installation Date: Not reported
 Owner Name: Curtis King
 Owner Address: Po Box 348
 Owner City,St,Zip: Humbolt, TN 38343
 Owner Phone: 901-784-5441
 Latitude: Not reported
 Longitude: Not reported
 Subject Item Category Code: 65
 Internal Document ID: 0

Sequence Id: 1030073
 Facility ID: 69800
 Subject Item Id: 2
Tank Status: Verified Removal
 Inert Material Code: Not reported
 Tank Material: Single Wall Steel
 Tank External Protection: None
 Tank Internal Protection: Unknown

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

TREADS AUTO STORE (Continued)

U003180544

Tank Overfill Protection: None
Pipe Material: Single Wall Steel
Pipe External Protection: Unknown
Pipe Type: Suction
Pipe Release Detection: None
Pipe Rel Detect Suc Code: NON
Pipe Leak Detect Code: NON
Installation Date: 01/01/01
Closed In Place Date: 6/12/1997 12:00:00 AM
Relined Date: Not reported
Last Contained Date: Not reported
Closed in Place Date: Not reported
Removed Date: 07/22/97
Change in Service Date: Not reported
Tank Pit Num: Not reported
Compartment Num: 1
Tank Substance Code: GAS
Capacity in Gallons: 4000
Tank Manufctr Code: Not reported
Pipe Manufctr Code: Not reported
Last Tank Test Date: Not reported
Last Pipe Test Date: Not reported
Lining Insp Date: Not reported
Last Cp Test Date: Not reported
Added To Flex Date: Not reported
Added To Piping Date: Not reported
Added To Tank Date: Not reported
Piping Installation Date: Not reported
Owner Name: Curtis King
Owner Address: Po Box 348
Owner City,St,Zip: Humbolt, TN 38343
Owner Phone: 901-784-5441
Latitude: Not reported
Longitude: Not reported
Subject Item Category Code: 6STOR
Internal Document ID: 0

Sequence Id: 1030073
Facility ID: 69800
Subject Item Id: 3
Tank Status: Verified Removal
Inert Material Code: Not reported
Tank Material: Single Wall Steel
Tank External Protection: None
Tank Internal Protection: Unknown
Tank Overfill Protection: None
Pipe Material: Single Wall Steel
Pipe External Protection: Unknown
Pipe Type: Suction
Pipe Release Detection: None
Pipe Rel Detect Suc Code: NON
Pipe Leak Detect Code: NON
Installation Date: 01/01/01
Closed In Place Date: 6/12/1997 12:00:00 AM
Relined Date: Not reported
Last Contained Date: Not reported
Closed in Place Date: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

TREADS AUTO STORE (Continued)

U003180544

Removed Date: 07/22/97
 Change in Service Date: Not reported
 Tank Pit Num: Not reported
 Compartment Num: 1
 Tank Substance Code: GAS
 Capacity in Gallons: 6000
 Tank Manufctr Code: Not reported
 Pipe Manufctr Code: Not reported
 Last Tank Test Date: Not reported
 Last Pipe Test Date: Not reported
 Lining Insp Date: Not reported
 Last Cp Test Date: Not reported
 Added To Flex Date: Not reported
 Added To Piping Date: Not reported
 Added To Tank Date: Not reported
 Piping Installation Date: Not reported
 Owner Name: Curtis King
 Owner Address: Po Box 348
 Owner City,St,Zip: Humbolt, TN 38343
 Owner Phone: 901-784-5441
 Latitude: Not reported
 Longitude: Not reported
 Subject Item Category Code: 6STOR
 Internal Document ID: 0

**4
 NW
 1/8-1/4
 1208 ft.**

**AIR PRODUCTS AND CHEMICALS, INC.
 2020 NORTH TENTH STREET
 PADUCAH, KY 42001**

**RCRA-SQG 1000518798
 FINDS KYD985087733**

**Relative:
 Lower**

RCRAInfo:
 Owner: AIR PRODUCTS AND CHEMICAL, INC.
 (502) 443-4589
 EPA ID: KYD985087733
 Contact: PAUL VORBECK
 (502) 443-4589

**Actual:
 341 ft.**

Classification: Small Quantity Generator
 TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: 32:040
 Area of Violation: GENERATOR-RECORDKEEPING REQUIREMENTS
 Date Violation Determined: 04/13/1993
 Actual Date Achieved Compliance: 04/22/1993

Enforcement Action: WRITTEN INFORMAL
 Enforcement Action Date: 04/13/1993
 Penalty Type: Not reported

Regulation Violated: krs 224.46-580
 Area of Violation: GENERATOR-OTHER REQUIREMENTS
 Date Violation Determined: 03/29/1993
 Actual Date Achieved Compliance: 04/09/1993

Enforcement Action: WRITTEN INFORMAL
 Enforcement Action Date: 04/01/1993
 Penalty Type: Not reported

Regulation Violated: krs 224.46-580

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

AIR PRODUCTS AND CHEMICALS, INC. (Continued)

EDR ID Number
 EPA ID Number

Database(s)

1000518798

Area of Violation: GENERATOR-OTHER REQUIREMENTS
 Date Violation Determined: 09/21/1992
 Actual Date Achieved Compliance: 10/05/1992
 Enforcement Action: WRITTEN INFORMAL
 Enforcement Action Date: 09/25/1992
 Penalty Type: Not reported

There are 3 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Compliance Schedule Evaluation	GENERATOR-RECORDKEEPING REQUIREMENTS	19930422
Compliance Schedule Evaluation	GENERATOR-OTHER REQUIREMENTS	19930409
Non-Financial Record Review	GENERATOR-RECORDKEEPING REQUIREMENTS	19930422
Non-Financial Record Review	GENERATOR-OTHER REQUIREMENTS	19930409
Compliance Schedule Evaluation	GENERATOR-OTHER REQUIREMENTS	19921005
Non-Financial Record Review	GENERATOR-OTHER REQUIREMENTS	19921005

FINDS:

Other Pertinent Environmental Activity Identified at Site:
 RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

5
West
1/8-1/4
1239 ft.

SUNOCO
2301 OLD CAIRO RD
PADUCAH, KY 42001

UST U003180543
N/A

Relative:
Lower

UST:

Actual:
348 ft.

Sequence Id: 1029073
 Facility ID: 69799
 Subject Item Id: 1
Tank Status: Verified Removal
 Inert Material Code: Not reported
 Tank Material: Unknown
 Tank External Protection: None
 Tank Internal Protection: Unknown
 Tank Overfill Protection: None
 Pipe Material: Unknown
 Pipe External Protection: Unknown
 Pipe Type: Suction
 Pipe Release Detection: None
 Pipe Rel Detect Suc Code: NON
 Pipe Leak Detect Code: NON
 Installation Date: 01/01/01
 Closed In Place Date: 6/12/1997 12:00:00 AM
 Relined Date: Not reported
 Last Contained Date: Not reported
 Closed in Place Date: Not reported
 Removed Date: 07/21/97
 Change in Service Date: Not reported
 Tank Pit Num: Not reported
 Compartment Num: 1
 Tank Substance Code: GAS
 Capacity in Gallons: 2000
 Tank Manufctr Code: Not reported
 Pipe Manufctr Code: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

SUNOCO (Continued)

U003180543

Last Tank Test Date: Not reported
Last Pipe Test Date: Not reported
Lining Insp Date: Not reported
Last Cp Test Date: Not reported
Added To Flex Date: Not reported
Added To Piping Date: Not reported
Added To Tank Date: Not reported
Piping Installation Date: Not reported
Owner Name: Curtis King
Owner Address: Po Box 348
Owener City,St,Zip: Humbolt, TN 38343
Owner Phone: 901-784-5441
Latitude: Not reported
Longitude: Not reported
Subject Item Category Code: 65TOR
Internal Document ID: 0

Sequence Id: 1029073
Facility ID: 69799
Subject Item Id: 2
Tank Status: Verified Removal
Inert Material Code: Not reported
Tank Material: Unknown
Tank External Protection: None
Tank Internal Protection: Unknown
Tank Overfill Protection: None
Pipe Material: Unknown
Pipe External Protection: Unknown
Pipe Type: Suction
Pipe Release Detection: None
Pipe Rel Detect Suc Code: NON
Pipe Leak Detect Code: NON
Installation Date: 01/01/01
Closed In Place Date: 6/12/1997 12:00:00 AM
Relined Date: Not reported
Last Contained Date: Not reported
Closed in Place Date: Not reported
Removed Date: 07/21/97
Change in Service Date: Not reported
Tank Pit Num: Not reported
Compartment Num: 1
Tank Substance Code: GAS
Capacity in Gallons: 2000
Tank Manufctr Code: Not reported
Pipe Manufctr Code: Not reported
Last Tank Test Date: Not reported
Last Pipe Test Date: Not reported
Lining Insp Date: Not reported
Last Cp Test Date: Not reported
Added To Flex Date: Not reported
Added To Piping Date: Not reported
Added To Tank Date: Not reported
Piping Installation Date: Not reported
Owner Name: Curtis King
Owner Address: Po Box 348
Owener City,St,Zip: Humbolt, TN 38343
Owner Phone: 901-784-5441

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

SUNOCO (Continued)

EDR ID Number
EPA ID Number

Database(s)

U003180543

Latitude: Not reported
Longitude: Not reported
Subject Item Category Code: 65TOR
Internal Document ID: 0

6
East
1/2-1
4561 ft.

PADUCAH TRANSFER STATION
829 BURNETT ST
PADUCAH, KY 42001

SHWS S104905102
SWF/LF N/A
HIST LF

Relative:
Equal

SHWS:

Status: Closed
Longitude: -88.613611
Latitude: 37.092778
Facility Address 2: Not reported
Subject Item County: McCracken
Sub Item Longitude: Not reported
Subject Item Address: 829 BURNETT STREET
Subject Item Address2: Not reported
Subject Item City,St,Zip: Paducah, KY
Facility Group: AAZZ1.00
Regulatory Desc: Petroleum Cleanup
Closure Option: Option C Restored
Description: PADUCAH (Closed: Restored)

Actual:
350 ft.

LF:

Facility ID: 39259
Facility Addr 2: Not reported
Status: Operating
Facility Type: Transfer Station Medical Waste-SW-RPBR

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
PADUCAH	1001487814	PADUCAH ETHER COMPLIANT (2)	10TH STREET	42001	RCRA-SQG, FINDS
PADUCAH	S106987516	GUPTON'S GROCERY	4625 HWY 289		SB193
PADUCAH	1003868938	P D Q INC (073.08)	HWY 62E , REIDLAND	42001	CERC-NFRAP
PADUCAH	S107602854	PADUCAH SOLID WASTE COMPOSTING FAC	1560 N 8TH ST	42001	SWF/LF
PADUCAH	1009301932	WHAYNE SUPPLY COMPANY PADUCAH	1600 N 8TH ST	42001	ICIS
PADUCAH	1003869020	PADUCAH SANITARY LDFL (73.02)	8TH AND TERRELL STREETS	42001	CERC-NFRAP
PADUCAH	1000310637	BRANDEIS MACHINERY & SUPPLY CORP.	U.S. HIGHWAY 45, BYPASS N	42001	RCRA-SQG, FINDS
PADUCAH	S107602855	PADUCAH WWTP	601 NORTHVIEW ST	42001	SWF/LF
PADUCAH	S107602853	PADUCAH MCCRACKEN WWTP	601 NORTHVIEW ST	42001	SWF/LF
REIDLAND	S103593796	REIDLAND GRAVEL PIT	HIGHWAY 62	42001	HIST LF
PADUCAH	99625721	MM 2.5 TENNESSEE RIVER MOORED IN F	MM 2.5 TENNESSEE RIVER MOORED		ERNS
PADUCAH	93350794	1810 SOUTH 4TH ST MILE 3.2	1810 SOUTH 4TH ST MILE 3.2	42001	ERNS
PADUCAH	1007134060	PADUCAH, CITY OF	300 S 5TH ST	42001	FINDS
PADUCAH	1000330565	SUNOCO SERVICE STATION	RT 7 BOX 452	42001	RCRA-SQG, FINDS
PADUCAH	U003978970	TRIANGLE INSULATION & SHEET METAL	RT 7 BOX 86	42001	UST
PADUCAH	97409880	BEHIND PADUCAH RIVER SERVICE SHIPY	BEHIND PADUCAH RIVER SERVICE S		ERNS
PADUCAH	87329	BIG BAYOU ,PADUCAH GASEOUS DIFFUSI	BIG BAYOU ,PADUCAH GASEOUS DIF		ERNS
PADUCAH	1006802895	PADUCAH GASEOUS DIFFUSION PLANT/US	PO BOX 1410	42001	FINDS, FTTS
PADUCAH	S107602239	COMMERCIAL WASTE DISPOSAL INC TRAN	4110 COLEMAN RD	42001	SWF/LF
PADUCAH	U003990987	PADUCAH CITY HALL	300 S FIFTH ST	42001	UST

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: 04/19/2006	Source: EPA
Date Data Arrived at EDR: 05/05/2006	Telephone: N/A
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 08/02/2006
Number of Days to Update: 17	Next Scheduled EDR Contact: 10/30/2006
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

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

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

Date of Government Version: 04/19/2006	Source: EPA
Date Data Arrived at EDR: 05/05/2006	Telephone: N/A
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 08/02/2006
Number of Days to Update: 17	Next Scheduled EDR Contact: 10/30/2006
	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: 04/19/2006	Source: EPA
Date Data Arrived at EDR: 05/05/2006	Telephone: N/A
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 08/02/2006
Number of Days to Update: 17	Next Scheduled EDR Contact: 10/30/2006
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/21/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: No Update Planned

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: 06/19/2006	Source: EPA
Date Data Arrived at EDR: 06/22/2006	Telephone: 703-413-0223
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 06/22/2006
Number of Days to Update: 62	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Quarterly

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

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

Date of Government Version: 02/01/2006	Source: EPA
Date Data Arrived at EDR: 03/21/2006	Telephone: 703-413-0223
Date Made Active in Reports: 04/13/2006	Last EDR Contact: 06/23/2006
Number of Days to Update: 23	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Quarterly

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/15/2006	Source: EPA
Date Data Arrived at EDR: 03/17/2006	Telephone: 800-424-9346
Date Made Active in Reports: 04/13/2006	Last EDR Contact: 09/05/2006
Number of Days to Update: 27	Next Scheduled EDR Contact: 12/04/2006
	Data Release Frequency: Quarterly

RCRA: Resource Conservation and Recovery Act Information

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/13/2006	Source: EPA
Date Data Arrived at EDR: 06/28/2006	Telephone: 800-424-9346
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 08/22/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/20/2006
	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	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/12/2006	Telephone: 202-260-2342
Date Made Active in Reports: 02/21/2006	Last EDR Contact: 07/25/2006
Number of Days to Update: 40	Next Scheduled EDR Contact: 10/23/2006
	Data Release Frequency: Annually

HMIRS: Hazardous Materials Information Reporting System

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

Date of Government Version: 07/03/2006	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 07/19/2006	Telephone: 202-366-4555
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 07/19/2006
Number of Days to Update: 35	Next Scheduled EDR Contact: 10/16/2006
	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.

Date of Government Version: 03/21/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/27/2006	Telephone: 703-603-8905
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 09/07/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

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

Date of Government Version: 03/21/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/27/2006	Telephone: 703-603-8905
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 09/07/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DOD: Department of Defense Sites

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

Date of Government Version: 12/31/2004	Source: USGS
Date Data Arrived at EDR: 02/08/2005	Telephone: 703-692-8801
Date Made Active in Reports: 08/04/2005	Last EDR Contact: 08/11/2006
Number of Days to Update: 177	Next Scheduled EDR Contact: 11/06/2006
	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.

Date of Government Version: 12/05/2005	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 01/19/2006	Telephone: 202-528-4285
Date Made Active in Reports: 02/21/2006	Last EDR Contact: 07/17/2006
Number of Days to Update: 33	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Varies

US BROWNFIELDS: A Listing of Brownfields Sites

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 Pilots--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.

Date of Government Version: 07/10/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/13/2006	Telephone: 202-566-2777
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 09/11/2006
Number of Days to Update: 55	Next Scheduled EDR Contact: 12/11/2006
	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.

Date of Government Version: 12/14/2004	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 02/15/2005	Telephone: Varies
Date Made Active in Reports: 04/25/2005	Last EDR Contact: 07/24/2006
Number of Days to Update: 69	Next Scheduled EDR Contact: 10/23/2006
	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.

Date of Government Version: 07/10/2006	Source: EPA
Date Data Arrived at EDR: 07/21/2006	Telephone: 703-416-0223
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 07/06/2006
Number of Days to Update: 47	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UMTRA: Uranium Mill Tailings Sites

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

Date of Government Version: 11/04/2005	Source: Department of Energy
Date Data Arrived at EDR: 11/28/2005	Telephone: 505-845-0011
Date Made Active in Reports: 01/30/2006	Last EDR Contact: 09/05/2006
Number of Days to Update: 63	Next Scheduled EDR Contact: 12/18/2006
	Data Release Frequency: Varies

ODI: Open Dump Inventory

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

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

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 07/20/2006	Source: EPA
Date Data Arrived at EDR: 07/21/2006	Telephone: 202-564-6064
Date Made Active in Reports: 08/22/2006	Last EDR Contact: 07/06/2006
Number of Days to Update: 32	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Quarterly

TRIS: Toxic Chemical Release Inventory System

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

Date of Government Version: 12/31/2004	Source: EPA
Date Data Arrived at EDR: 06/22/2006	Telephone: 202-566-0250
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 06/22/2006
Number of Days to Update: 62	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	Source: EPA
Date Data Arrived at EDR: 04/14/2006	Telephone: 202-260-5521
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 07/17/2006
Number of Days to Update: 46	Next Scheduled EDR Contact: 10/16/2006
	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: 07/14/2006	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 07/18/2006	Telephone: 202-566-1667
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 06/19/2006
Number of Days to Update: 50	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 07/14/2006	Source: EPA
Date Data Arrived at EDR: 07/18/2006	Telephone: 202-566-1667
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 06/19/2006
Number of Days to Update: 50	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Quarterly

SSTS: Section 7 Tracking Systems

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

Date of Government Version: 12/31/2004	Source: EPA
Date Data Arrived at EDR: 05/11/2006	Telephone: 202-564-4203
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 07/17/2006
Number of Days to Update: 11	Next Scheduled EDR Contact: 10/16/2006
	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: 02/13/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/21/2006	Telephone: 202-564-5088
Date Made Active in Reports: 05/11/2006	Last EDR Contact: 07/17/2006
Number of Days to Update: 20	Next Scheduled EDR Contact: 10/16/2006
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

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

Date of Government Version: 07/07/2006	Source: EPA
Date Data Arrived at EDR: 08/09/2006	Telephone: 202-566-0500
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 08/09/2006
Number of Days to Update: 28	Next Scheduled EDR Contact: 11/06/2006
	Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

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

Date of Government Version: 07/10/2006	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 07/20/2006	Telephone: 301-415-7169
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 07/03/2006
Number of Days to Update: 48	Next Scheduled EDR Contact: 10/02/2006
	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 violation information.

Date of Government Version: 05/16/2006	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 06/28/2006	Telephone: 303-231-5959
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 06/28/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 09/25/2006
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FINDS: Facility Index System/Facility Registry System

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

Date of Government Version: 07/21/2006	Source: EPA
Date Data Arrived at EDR: 07/25/2006	Telephone: N/A
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 04/03/2006
Number of Days to Update: 43	Next Scheduled EDR Contact: 07/03/2006
	Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

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

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 09/05/2006
Number of Days to Update: 35	Next Scheduled EDR Contact: 12/04/2006
	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.

Date of Government Version: 12/31/2003	Source: EPA/NTIS
Date Data Arrived at EDR: 06/17/2005	Telephone: 800-424-9346
Date Made Active in Reports: 08/04/2005	Last EDR Contact: 07/21/2006
Number of Days to Update: 48	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: 06/28/2006	Source: Department of Environmental Protection
Date Data Arrived at EDR: 06/29/2006	Telephone: 502-564-6716
Date Made Active in Reports: 07/27/2006	Last EDR Contact: 06/26/2006
Number of Days to Update: 28	Next Scheduled EDR Contact: 09/25/2006
	Data Release Frequency: Quarterly

SWF/LF: Solid Waste Facilities List

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

Date of Government Version: 06/15/2006	Source: Department of Environmental Protection
Date Data Arrived at EDR: 06/15/2006	Telephone: 502-564-6716
Date Made Active in Reports: 07/27/2006	Last EDR Contact: 08/28/2006
Number of Days to Update: 42	Next Scheduled EDR Contact: 11/27/2006
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HIST LF: 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	Source: Department of Environmental Protection
Date Data Arrived at EDR: 03/30/2006	Telephone: 502-564-6716
Date Made Active in Reports: 05/01/2006	Last EDR Contact: 08/28/2006
Number of Days to Update: 32	Next Scheduled EDR Contact: 11/27/2006
	Data Release Frequency: No Update Planned

SB193: SB193 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: 05/25/2006	Source: Department of Environmental Protection
Date Data Arrived at EDR: 05/31/2006	Telephone: 502-564-5981
Date Made Active in Reports: 06/12/2006	Last EDR Contact: 09/01/2006
Number of Days to Update: 12	Next Scheduled EDR Contact: 11/06/2006
	Data Release Frequency: Quarterly

UST: Underground Storage Tank Database

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

Date of Government Version: 07/11/2006	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/25/2006	Telephone: 502-564-5981
Date Made Active in Reports: 08/22/2006	Last EDR Contact: 06/26/2006
Number of Days to Update: 28	Next Scheduled EDR Contact: 09/25/2006
	Data Release Frequency: Quarterly

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: 06/20/2006	Source: Department of Environmental Protection
Date Data Arrived at EDR: 06/26/2006	Telephone: 502-564-6716
Date Made Active in Reports: 07/27/2006	Last EDR Contact: 06/15/2006
Number of Days to Update: 31	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	Source: Department of Environmental Protection
Date Data Arrived at EDR: 01/18/2005	Telephone: 502-564-6716
Date Made Active in Reports: 03/01/2005	Last EDR Contact: 06/26/2006
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: 03/28/2006	Source: Department of Environmental Protection
Date Data Arrived at EDR: 03/28/2006	Telephone: 502-573-3382
Date Made Active in Reports: 05/01/2006	Last EDR Contact: 07/26/2006
Number of Days to Update: 34	Next Scheduled EDR Contact: 09/25/2006
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NPDES: Permitted Facility Listing

A listing of permitted wastewater facilities.

Date of Government Version: 05/30/2006
Date Data Arrived at EDR: 06/09/2006
Date Made Active in Reports: 07/27/2006
Number of Days to Update: 48

Source: Department of Environmental Protection
Telephone: 502-564-3410
Last EDR Contact: 09/07/2006
Next Scheduled EDR Contact: 12/04/2006
Data Release Frequency: Varies

LEAD: Environmental Lead Program Report Tracking Database

Lead Report Tracking Database

Date of Government Version: 04/19/2006
Date Data Arrived at EDR: 05/08/2006
Date Made Active in Reports: 06/12/2006
Number of Days to Update: 35

Source: Department of Public Health
Telephone: 502-564-4537
Last EDR Contact: 09/07/2006
Next Scheduled EDR Contact: 12/04/2006
Data Release Frequency: Varies

TRIBAL RECORDS**INDIAN RESERV: Indian Reservations**

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

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 02/08/2005
Date Made Active in Reports: 08/04/2005
Number of Days to Update: 177

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 08/11/2006
Next Scheduled EDR Contact: 11/06/2006
Data Release Frequency: Semi-Annually

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 06/08/2006
Date Data Arrived at EDR: 06/09/2006
Date Made Active in Reports: 06/28/2006
Number of Days to Update: 19

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 01/04/2005
Date Data Arrived at EDR: 01/21/2005
Date Made Active in Reports: 02/28/2005
Number of Days to Update: 38

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 06/06/2006
Date Data Arrived at EDR: 06/09/2006
Date Made Active in Reports: 07/28/2006
Number of Days to Update: 49

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 06/08/2006
Date Data Arrived at EDR: 06/09/2006
Date Made Active in Reports: 07/28/2006
Number of Days to Update: 49

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 06/01/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/23/2006	Telephone: 415-972-3372
Date Made Active in Reports: 08/02/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 40	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Quarterly

INDIAN UST R8: Underground Storage Tanks on Indian Land

Date of Government Version: 06/06/2006	Source: EPA Region 8
Date Data Arrived at EDR: 06/09/2006	Telephone: 303-312-6137
Date Made Active in Reports: 07/28/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 49	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Quarterly

INDIAN UST R5: Underground Storage Tanks on Indian Land

Date of Government Version: 12/02/2004	Source: EPA Region 5
Date Data Arrived at EDR: 12/29/2004	Telephone: 312-886-6136
Date Made Active in Reports: 02/04/2005	Last EDR Contact: 08/21/2006
Number of Days to Update: 37	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

Date of Government Version: 06/08/2006	Source: EPA Region 10
Date Data Arrived at EDR: 06/09/2006	Telephone: 206-553-2857
Date Made Active in Reports: 07/28/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 49	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land

A listing of underground storage tank locations on Indian Land.

Date of Government Version: 06/08/2006	Source: EPA, Region 1
Date Data Arrived at EDR: 06/09/2006	Telephone: 617-918-1313
Date Made Active in Reports: 06/30/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 21	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

Date of Government Version: 06/30/2006	Source: EPA Region 6
Date Data Arrived at EDR: 07/03/2006	Telephone: 214-665-7591
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 65	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Semi-Annually

INDIAN UST R9: Underground Storage Tanks on Indian Land

Date of Government Version: 06/01/2006	Source: EPA Region 9
Date Data Arrived at EDR: 06/23/2006	Telephone: 415-972-3368
Date Made Active in Reports: 08/02/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 40	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Quarterly

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 whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

OTHER DATABASE(S)

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

CT MANIFEST: Hazardous Waste Manifest Data

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

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

Source: Department of Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 09/11/2006
Next Scheduled EDR Contact: 12/11/2006
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/01/2006
Date Data Arrived at EDR: 07/06/2006
Date Made Active in Reports: 08/01/2006
Number of Days to Update: 26

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/05/2006
Next Scheduled EDR Contact: 10/02/2006
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: 05/02/2006
Date Data Arrived at EDR: 05/31/2006
Date Made Active in Reports: 06/27/2006
Number of Days to Update: 27

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 08/30/2006
Next Scheduled EDR Contact: 11/27/2006
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 Made Active in Reports: 06/06/2006
Number of Days to Update: 33

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 06/12/2006
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 Made Active in Reports: 05/24/2006
Number of Days to Update: 15

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 06/19/2006
Next Scheduled EDR Contact: 09/18/2006
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 Made Active in Reports: 05/02/2006

Number of Days to Update: 46

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 07/25/2006

Next Scheduled EDR Contact: 10/09/2006

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: (800) 823-6277

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

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

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

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

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

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

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

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 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: 502-564-5174

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

PADUCAH #2 KY064
2001 NORTH 12TH STREET
PADUCAH, KY 42001

TARGET PROPERTY COORDINATES

Latitude (North):	37.09260 - 37° 5' 33.4"
Longitude (West):	88.6283 - 88° 37' 41.9"
Universal Tranverse Mercator:	Zone 16
UTM X (Meters):	355287.2
UTM Y (Meters):	4106181.8
Elevation:	350 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	37088-A6 PADUCAH WEST, KY
Most Recent Revision:	1982
East Map:	37088-A5 PADUCAH EAST, 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).

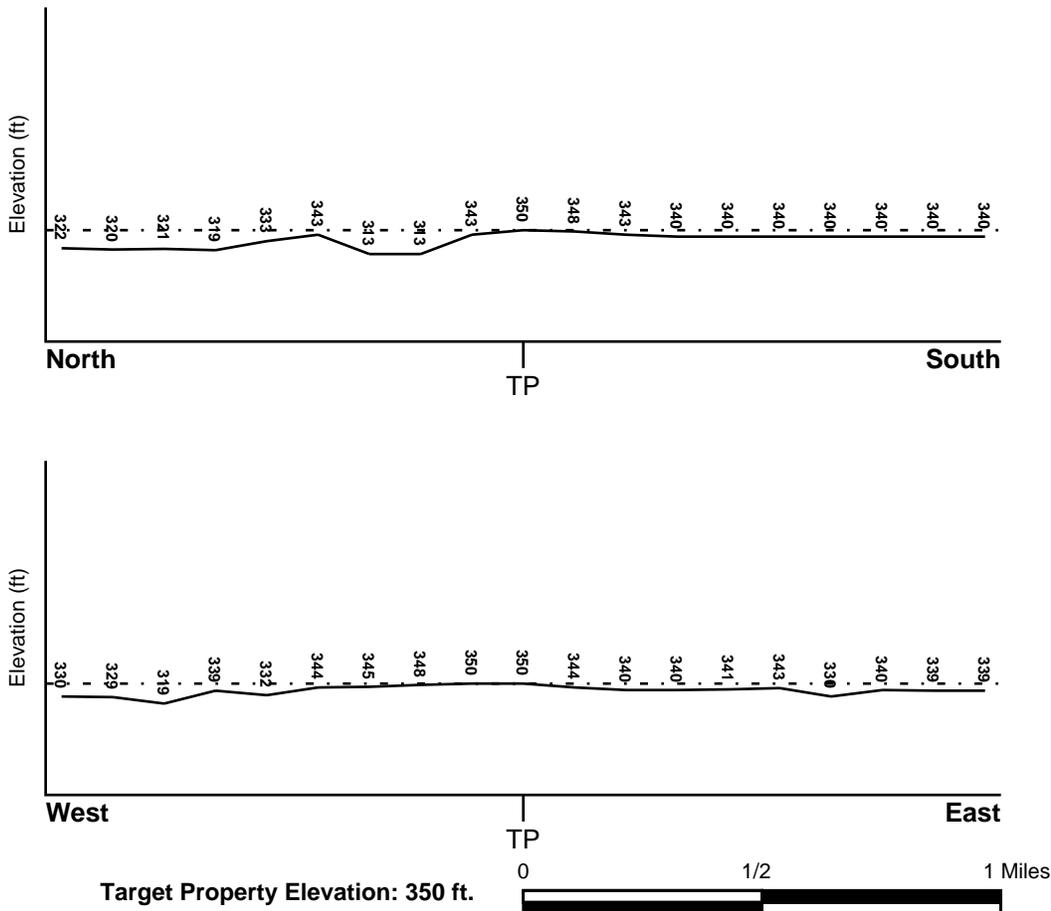
TOPOGRAPHIC INFORMATION

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 NE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

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

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

FEMA FLOOD ZONE

<u>Target Property County</u> MCCRACKEN, KY	FEMA Flood <u>Electronic Data</u> YES - refer to the Overview Map and Detail Map
Flood Plain Panel at Target Property:	2101520002D
Additional Panels in search area:	2101510040B 2101520003E 2101520005D

NATIONAL WETLAND INVENTORY

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

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

AQUIFLOW®

Search Radius: 1.000 Mile.

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

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

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

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

ROCK STRATIGRAPHIC UNIT

Era: Mesozoic
System: Cretaceous
Series: Navarro Group
Code: uK4 (*decoded above as Era, 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. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

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

Soil Component Name: HENRY

Soil Surface Texture: silt loam

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

Soil Drainage Class: Poorly. Soils may have a saturated zone, a layer of low hydraulic conductivity, or seepage. Depth to water table is less than 1 foot.

Hydric Status: Soil meets the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 2.00 Min: 0.60	Max: 5.50 Min: 4.50
2	9 inches	31 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 2.00 Min: 0.60	Max: 5.50 Min: 4.50
3	31 inches	60 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%), silt.	Max: 0.20 Min: 0.06	Max: 5.50 Min: 4.50
4	60 inches	80 inches	silt	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 0.60 Min: 0.20	Max: 7.80 Min: 5.10

OTHER SOIL TYPES IN AREA

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

Soil Surface Textures: No Other Soil Types

Surficial Soil Types: No Other Soil Types

Shallow Soil Types: silty clay

Deeper Soil Types: silty clay loam
silt loam
stratified
fine sandy loam

LOCAL / REGIONAL WATER AGENCY RECORDS

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

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

FEDERAL USGS WELL INFORMATION

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

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
D18	KY0730454	1/2 - 1 Mile ENE

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

STATE DATABASE WELL INFORMATION

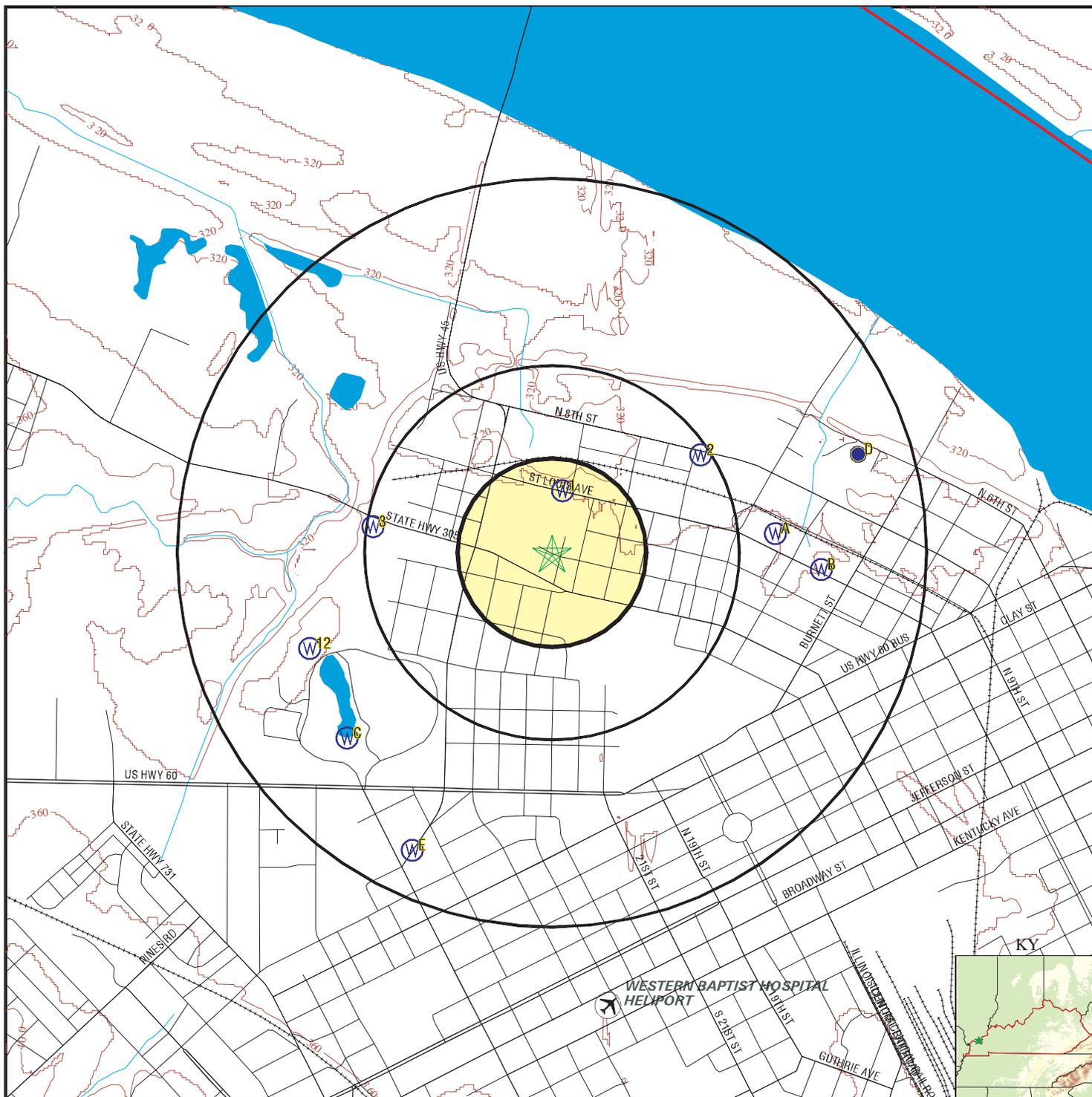
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	KY20048922	1/8 - 1/4 Mile North
2	KY20048699	1/4 - 1/2 Mile ENE
3	KY20049060	1/4 - 1/2 Mile West
A4	KY20048797	1/2 - 1 Mile East
A5	KY20048828	1/2 - 1 Mile East
A6	KY20048796	1/2 - 1 Mile East
A7	KY20048720	1/2 - 1 Mile East
A8	KY20048689	1/2 - 1 Mile East
A9	KY20048688	1/2 - 1 Mile East
A10	KY20048795	1/2 - 1 Mile East
A11	KY20048690	1/2 - 1 Mile East
12	KY20049015	1/2 - 1 Mile WSW
B13	KY20048692	1/2 - 1 Mile East
B14	KY20048693	1/2 - 1 Mile East
B15	KY20048789	1/2 - 1 Mile East
C16	KY20048924	1/2 - 1 Mile SW
C17	KY20049109	1/2 - 1 Mile SW
E19	KY20048928	1/2 - 1 Mile SSW
E20	KY20048927	1/2 - 1 Mile SSW
E21	KY20049007	1/2 - 1 Mile SSW
E22	KY20049097	1/2 - 1 Mile SSW
E23	KY20049095	1/2 - 1 Mile SSW
E24	KY20049052	1/2 - 1 Mile SSW
E25	KY20048968	1/2 - 1 Mile SSW
E26	KY20049121	1/2 - 1 Mile SSW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
E27	KY20048984	1/2 - 1 Mile SSW
E28	KY20049104	1/2 - 1 Mile SSW
E29	KY20049018	1/2 - 1 Mile SSW
D30	KY20048640	1/2 - 1 Mile ENE
E31	KY20048970	1/2 - 1 Mile SSW
E32	KY20048919	1/2 - 1 Mile SSW

PHYSICAL SETTING SOURCE MAP - 01752279.2r



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

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location

SITE NAME: Paducah #2 KY064
 ADDRESS: 2001 North 12th Street
 Paducah KY 42001
 LAT/LONG: 37.0926 / 88.6283

CLIENT: Geo Consultants LLC
 CONTACT: Larry Copeland
 INQUIRY #: 01752279.2r
 DATE: September 11, 2006 11:30 am

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

1
North
1/8 - 1/4 Mile
Lower **KY WELLS** **KY20048922**

Kgs id:	40998		
Dow akgwa :	80018437		
North lati:	37.095		
West longi:	-88.62778		
County nam:	McCracken	Quadrangle:	Paducah West
Drill date:	06/24/1998 00:00:00	Primary us:	Monitoring
Depth to b:	0		
Static wat:	10		
Total dept:	25		
Constructi:	0	Flow gpm :	0
Countyuse:	MccrackenMonitoring		

2
ENE
1/4 - 1/2 Mile
Lower **KY WELLS** **KY20048699**

Kgs id:	4537		
Dow akgwa :	00006673		
North lati:	37.09639		
West longi:	-88.62111		
County nam:	McCracken	Quadrangle:	Paducah East
Drill date:	06/15/1988 00:00:00	Primary us:	Industrial
Depth to b:	220		
Static wat:	0		
Total dept:	220		
Constructi:	0	Flow gpm :	0
Countyuse:	MccrackenIndustrial		

3
West
1/4 - 1/2 Mile
Higher **KY WELLS** **KY20049060**

Kgs id:	48348		
Dow akgwa :	Not Reported		
North lati:	37.09361		
West longi:	-88.63694		
County nam:	McCracken	Quadrangle:	Paducah West
Drill date:	Not Reported	Primary us:	Domestic
Depth to b:	0		
Static wat:	0		
Total dept:	28		
Constructi:	0	Flow gpm :	0
Countyuse:	MccrackenDomestic		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

A4
East
1/2 - 1 Mile
Lower

KY WELLS KY20048797

Kgs id:	18142		
Dow akgwa :	80006951		
North lati:	37.09333		
West longi:	-88.6175		
County nam:	McCracken	Quadrangle:	Paducah East
Drill date:	12/16/1992 00:00:00	Primary us:	Monitoring
Depth to b:	0		
Static wat:	0		
Total dept:	20		
Constructi:	0	Flow gpm :	0
Countyuse:	MccrackenMonitoring		

A5
East
1/2 - 1 Mile
Lower

KY WELLS KY20048828

Kgs id:	18141		
Dow akgwa :	80006952		
North lati:	37.09333		
West longi:	-88.6175		
County nam:	McCracken	Quadrangle:	Paducah East
Drill date:	12/16/1992 00:00:00	Primary us:	Monitoring
Depth to b:	0		
Static wat:	11.61		
Total dept:	20		
Constructi:	0	Flow gpm :	0
Countyuse:	MccrackenMonitoring		

A6
East
1/2 - 1 Mile
Lower

KY WELLS KY20048796

Kgs id:	18711		
Dow akgwa :	80006959		
North lati:	37.09334		
West longi:	-88.6175		
County nam:	McCracken	Quadrangle:	Paducah East
Drill date:	02/25/1993 00:00:00	Primary us:	Monitoring
Depth to b:	0		
Static wat:	14.86		
Total dept:	20		
Constructi:	0	Flow gpm :	0
Countyuse:	MccrackenMonitoring		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

A7
East
1/2 - 1 Mile
Lower

KY WELLS KY20048720

Kgs id:	18672		
Dow akgwa :	80006953		
North lati:	37.09334		
West longi:	-88.6175		
County nam:	McCracken	Quadrangle:	Paducah East
Drill date:	02/14/1993 00:00:00	Primary us:	Monitoring
Depth to b:	0		
Static wat:	12.44		
Total dept:	20		
Constructi:	0	Flow gpm :	0
Countyuse:	MccrackenMonitoring		

A8
East
1/2 - 1 Mile
Lower

KY WELLS KY20048689

Kgs id:	18710		
Dow akgwa :	80006958		
North lati:	37.09334		
West longi:	-88.6175		
County nam:	McCracken	Quadrangle:	Paducah East
Drill date:	02/25/1993 00:00:00	Primary us:	Monitoring
Depth to b:	0		
Static wat:	16.58		
Total dept:	20		
Constructi:	0	Flow gpm :	0
Countyuse:	MccrackenMonitoring		

A9
East
1/2 - 1 Mile
Lower

KY WELLS KY20048688

Kgs id:	18709		
Dow akgwa :	80006960		
North lati:	37.09334		
West longi:	-88.6175		
County nam:	McCracken	Quadrangle:	Paducah East
Drill date:	02/23/1993 00:00:00	Primary us:	Monitoring
Depth to b:	0		
Static wat:	11.88		
Total dept:	20		
Constructi:	0	Flow gpm :	0
Countyuse:	MccrackenMonitoring		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

A10
East
1/2 - 1 Mile
Lower

KY WELLS KY20048795

Kgs id:	18673		
Dow akgwa :	80006954		
North lati:	37.09334		
West longi:	-88.6175		
County nam:	McCracken	Quadrangle:	Paducah East
Drill date:	02/11/1993 00:00:00	Primary us:	Monitoring
Depth to b:	0		
Static wat:	14.34		
Total dept:	20		
Constructi:	0	Flow gpm :	0
Countyuse:	MccrackenMonitoring		

A11
East
1/2 - 1 Mile
Lower

KY WELLS KY20048690

Kgs id:	18674		
Dow akgwa :	80006961		
North lati:	37.09334		
West longi:	-88.6175		
County nam:	McCracken	Quadrangle:	Paducah East
Drill date:	02/25/1993 00:00:00	Primary us:	Monitoring
Depth to b:	0		
Static wat:	11.48		
Total dept:	20		
Constructi:	0	Flow gpm :	0
Countyuse:	MccrackenMonitoring		

12
WSW
1/2 - 1 Mile
Lower

KY WELLS KY20049015

Kgs id:	12366		
Dow akgwa :	00019625		
North lati:	37.08889		
West longi:	-88.64		
County nam:	McCracken	Quadrangle:	Paducah West
Drill date:	08/16/1991 00:00:00	Primary us:	Irrigation
Depth to b:	0		
Static wat:	18		
Total dept:	300		
Constructi:	0	Flow gpm :	0
Countyuse:	MccrackenIrrigation		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

B13
East
1/2 - 1 Mile
Lower

KY WELLS KY20048692

Kgs id:	23150		
Dow akgwa :	80002408		
North lati:	37.09195		
West longi:	-88.61528		
County nam:	McCracken	Quadrangle:	Paducah East
Drill date:	12/07/1993 00:00:00	Primary us:	Monitoring
Depth to b:	0		
Static wat:	11.3		
Total dept:	20.5		
Constructi:	0	Flow gpm :	0
Countyuse:	MccrackenMonitoring		

B14
East
1/2 - 1 Mile
Lower

KY WELLS KY20048693

Kgs id:	23149		
Dow akgwa :	80002409		
North lati:	37.09195		
West longi:	-88.61528		
County nam:	McCracken	Quadrangle:	Paducah East
Drill date:	12/07/1993 00:00:00	Primary us:	Monitoring
Depth to b:	0		
Static wat:	9.6		
Total dept:	22.5		
Constructi:	0	Flow gpm :	0
Countyuse:	MccrackenMonitoring		

B15
East
1/2 - 1 Mile
Lower

KY WELLS KY20048789

Kgs id:	23147		
Dow akgwa :	80002410		
North lati:	37.09194		
West longi:	-88.61528		
County nam:	McCracken	Quadrangle:	Paducah East
Drill date:	12/07/1993 00:00:00	Primary us:	Monitoring
Depth to b:	0		
Static wat:	9.7		
Total dept:	22		
Constructi:	0	Flow gpm :	0
Countyuse:	MccrackenMonitoring		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

C16
SW
1/2 - 1 Mile
Lower

KY WELLS KY20048924

Kgs id:	28581		
Dow akgwa :	00038726		
North lati:	37.08528		
West longi:	-88.63778		
County nam:	McCracken	Quadrangle:	Paducah West
Drill date:	03/17/1995 00:00:00	Primary us:	Unknown
Depth to b:	0		
Static wat:	9		
Total dept:	42		
Constructi:	0	Flow gpm :	0
Countyuse:	MccrackenUnknown		

C17
SW
1/2 - 1 Mile
Lower

KY WELLS KY20049109

Kgs id:	12365		
Dow akgwa :	00019624		
North lati:	37.08556		
West longi:	-88.63861		
County nam:	McCracken	Quadrangle:	Paducah West
Drill date:	08/16/1991 00:00:00	Primary us:	Irrigation
Depth to b:	0		
Static wat:	14		
Total dept:	355		
Constructi:	0	Flow gpm :	0
Countyuse:	MccrackenIrrigation		

D18
ENE
1/2 - 1 Mile
Lower

FRDS PWS KY0730454

PWS ID:	KY0730454	PWS Status:	Not Reported
Date Initiated:	Not Reported	Date Deactivated:	Not Reported
PWS Name:	WEST MCCRACKEN CO WATER DIST BILL TANNER 8020 OGDEN LANDING ROAD WEST PADUCAH, KY 420860000		

Addressee / Facility: Not Reported

Facility Latitude:	37 05 48	Facility Longitude:	088 36 50
City Served:	WEST PADUCAH		
Treatment Class:	Treated	Population:	3151

PWS currently has or had major violation(s) or enforcement: No

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

E19
SSW
1/2 - 1 Mile
Lower

KY WELLS KY20048928

Kgs id:	39472		
Dow akgwa :	80033082		
North lati:	37.08112		
West longi:	-88.635		
County nam:	McCracken	Quadrangle:	Paducah West
Drill date:	01/21/1998 00:00:00	Primary us:	Monitoring
Depth to b:	0		
Static wat:	10		
Total dept:	20		
Constructi:	0	Flow gpm :	0
Countyuse:	MccrackenMonitoring		

E20
SSW
1/2 - 1 Mile
Lower

KY WELLS KY20048927

Kgs id:	39471		
Dow akgwa :	80033081		
North lati:	37.08112		
West longi:	-88.635		
County nam:	McCracken	Quadrangle:	Paducah West
Drill date:	01/21/1998 00:00:00	Primary us:	Monitoring
Depth to b:	0		
Static wat:	10		
Total dept:	20		
Constructi:	0	Flow gpm :	0
Countyuse:	MccrackenMonitoring		

E21
SSW
1/2 - 1 Mile
Lower

KY WELLS KY20049007

Kgs id:	72382		
Dow akgwa :	80036144		
North lati:	37.08111		
West longi:	-88.635		
County nam:	McCracken	Quadrangle:	Paducah West
Drill date:	10/03/2002 00:00:00	Primary us:	Monitoring
Depth to b:	0		
Static wat:	10.5		
Total dept:	15		
Constructi:	0	Flow gpm :	0
Countyuse:	MccrackenMonitoring		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

E22
SSW
1/2 - 1 Mile
Lower

KY WELLS KY20049097

Kgs id:	72424		
Dow akgwa :	80036122		
North lati:	37.08111		
West longi:	-88.635		
County nam:	McCracken	Quadrangle:	Paducah West
Drill date:	10/03/2002 00:00:00	Primary us:	Monitoring
Depth to b:	0		
Static wat:	10.65		
Total dept:	11		
Constructi:	0	Flow gpm :	0
Countyuse:	MccrackenMonitoring		

E23
SSW
1/2 - 1 Mile
Lower

KY WELLS KY20049095

Kgs id:	38511		
Dow akgwa :	80034232		
North lati:	37.08111		
West longi:	-88.635		
County nam:	McCracken	Quadrangle:	Paducah West
Drill date:	10/02/1997 00:00:00	Primary us:	Monitoring
Depth to b:	0		
Static wat:	8		
Total dept:	20		
Constructi:	0	Flow gpm :	0
Countyuse:	MccrackenMonitoring		

E24
SSW
1/2 - 1 Mile
Lower

KY WELLS KY20049052

Kgs id:	38512		
Dow akgwa :	80034231		
North lati:	37.08111		
West longi:	-88.635		
County nam:	McCracken	Quadrangle:	Paducah West
Drill date:	10/02/1997 00:00:00	Primary us:	Monitoring
Depth to b:	0		
Static wat:	8		
Total dept:	15		
Constructi:	0	Flow gpm :	0
Countyuse:	MccrackenMonitoring		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

E25
SSW
1/2 - 1 Mile
Lower

KY WELLS KY20048968

Kgs id:	39470		
Dow akgwa :	80033083		
North lati:	37.08111		
West longi:	-88.635		
County nam:	McCracken	Quadrangle:	Paducah West
Drill date:	01/21/1998 00:00:00	Primary us:	Monitoring
Depth to b:	0		
Static wat:	10		
Total dept:	20		
Constructi:	0	Flow gpm :	0
Countyuse:	MccrackenMonitoring		

E26
SSW
1/2 - 1 Mile
Lower

KY WELLS KY20049121

Kgs id:	38510		
Dow akgwa :	80034233		
North lati:	37.08111		
West longi:	-88.635		
County nam:	McCracken	Quadrangle:	Paducah West
Drill date:	10/02/1997 00:00:00	Primary us:	Monitoring
Depth to b:	0		
Static wat:	8		
Total dept:	20		
Constructi:	0	Flow gpm :	0
Countyuse:	MccrackenMonitoring		

E27
SSW
1/2 - 1 Mile
Lower

KY WELLS KY20048984

Kgs id:	72391		
Dow akgwa :	80036143		
North lati:	37.08111		
West longi:	-88.635		
County nam:	McCracken	Quadrangle:	Paducah West
Drill date:	10/03/2002 00:00:00	Primary us:	Monitoring
Depth to b:	0		
Static wat:	13.2		
Total dept:	15		
Constructi:	0	Flow gpm :	0
Countyuse:	MccrackenMonitoring		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

E28
SSW
1/2 - 1 Mile
Lower

KY WELLS KY20049104

Kgs id:	72390		
Dow akgwa :	80036141		
North lati:	37.08111		
West longi:	-88.63501		
County nam:	McCracken	Quadrangle:	Paducah West
Drill date:	10/03/2002 00:00:00	Primary us:	Monitoring
Depth to b:	0		
Static wat:	10.75		
Total dept:	12		
Constructi:	0	Flow gpm :	0
Countyuse:	MccrackenMonitoring		

E29
SSW
1/2 - 1 Mile
Lower

KY WELLS KY20049018

Kgs id:	72469		
Dow akgwa :	80036142		
North lati:	37.08111		
West longi:	-88.63501		
County nam:	McCracken	Quadrangle:	Paducah West
Drill date:	10/03/2002 00:00:00	Primary us:	Monitoring
Depth to b:	0		
Static wat:	11.56		
Total dept:	12		
Constructi:	0	Flow gpm :	0
Countyuse:	MccrackenMonitoring		

D30
ENE
1/2 - 1 Mile
Lower

KY WELLS KY20048640

Kgs id:	48350		
Dow akgwa :	Not Reported		
North lati:	37.09611		
West longi:	-88.61306		
County nam:	McCracken	Quadrangle:	Paducah East
Drill date:	Not Reported	Primary us:	Domestic
Depth to b:	0		
Static wat:	0		
Total dept:	21.1		
Constructi:	0	Flow gpm :	0
Countyuse:	MccrackenDomestic		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

E31
SSW
1/2 - 1 Mile
Lower

KY WELLS KY20048970

Kgs id:	41381		
Dow akgwa :	80033099		
North lati:	37.08084		
West longi:	-88.63528		
County nam:	McCracken	Quadrangle:	Paducah West
Drill date:	10/26/1998 00:00:00	Primary us:	Monitoring
Depth to b:	0		
Static wat:	10		
Total dept:	15		
Constructi:	0	Flow gpm :	0
Countyuse:	MccrackenMonitoring		

E32
SSW
1/2 - 1 Mile
Lower

KY WELLS KY20048919

Kgs id:	41382		
Dow akgwa :	80033095		
North lati:	37.08083		
West longi:	-88.63528		
County nam:	McCracken	Quadrangle:	Paducah West
Drill date:	10/26/1998 00:00:00	Primary us:	Monitoring
Depth to b:	0		
Static wat:	10		
Total dept:	15		
Constructi:	0	Flow gpm :	0
Countyuse:	MccrackenMonitoring		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for MCCRACKEN County: 3

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

Federal Area Radon Information for Zip Code: 42001

Number of sites tested: 12

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.850 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

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

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) 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: 502-564-5174

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

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

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

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

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

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

SSURGO: Soil Survey Geographic Database

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

Telephone: 800-672-5559

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

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

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

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

STATE RECORDS

Kentucky Water Well Records Database

Source: Kentucky Geological Survey

Telephone: 859-257-5500

OTHER STATE DATABASE INFORMATION

RADON

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey.

The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

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

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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