

**US Army Corps
of Engineers**
Huntington District

**Phase I Hazardous, Toxic, and Radioactive Waste Investigation on
Proposed Arnold Avenue Flood Wall Alignment
Floyd County Section 202 Nonstructural Project
Prestonsburg, Kentucky
Final Report
Report #5**

February 2005

Report of Phase I Hazardous, Toxic, and Radioactive Waste Investigation
Floyd County Section 202 Nonstructural Project
Floyd County, Kentucky
Proposed Arnold Avenue Flood Wall Alignment

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Executive Summary
Report of Phase I Hazardous, Toxic, and Radioactive Waste Investigation
Floyd County Section 202 Nonstructural Project
Floyd County, Kentucky
Proposed Arnold Avenue Flood Wall Alignment

The United States Army Corps of Engineers (USACE), Huntington District (CELRH) conducted a Phase I Hazardous, Toxic, and Radioactive Waste (HTRW) Investigation on the contract work limits along the proposed Arnold Avenue alignment area, which are within in the Floyd County Section 202 Nonstructural Project in Floyd County, Kentucky. For purposes of this report the floodwall alignment was broken down into three areas: the Big Sandy Community College Area (approximately 15 acres on the Community College property), the Area from Route 1428 to Prestonsburg High School (approximately 20 residential and commercial properties), and the Arnold Avenue Alignment (approximately 20 residential tracts along Arnold Avenue). These areas are located within the town of Prestonsburg, KY. (Refer to the Proposed Arnold Avenue Floodwall Alignment map in Appendix A for the exact location of all proposed sites.) Under the Floyd County Nonstructural Section 202 Project Plans; these sites are locations where the proposed floodwall will be constructed. The purpose of this Phase I HTRW Investigation was to identify environmental conditions and to identify the potential presence of HTRW contamination in these areas. The investigation was performed in accordance with ASTM E-1527-00 and 1528-00 Standards, USACE HTRW policies and CELRH ISO 9001 requirements.

Investigative Procedures

Environmental professionals conducted a field investigation of the proposed areas during January 4, 2005. During the physical inspection, the ground surfaces of the sites in question were examined for signs of contamination. Specific indicators of possible environmental contamination includes stained soil, stressed vegetation, surface debris, UST fill caps or vent lines, and unusual ground depressions or formations. The site reconnaissance of each tract also included the assessment of the potential for contamination from activities on adjacent properties. Color photographs of these tracts and surrounding properties were taken during the site assessments.

Sixty-year title ownership histories for the study area tracts were researched in the Floyd County Courthouse, located in Prestonsburg, Kentucky. Property ownership histories for the tracts were developed in accordance with ASTM E 1527 and 1528 Standards. Sixty-year deed searches for the tracts were performed in order to determine past and present ownership/usage of the properties.

Limited interviews were conducted with Local and State officials to determine if any potential HTRW concerns exist on the sites.

Records of regulatory agencies listing recognized environmental conditions in connection with the properties were accessed through Environmental Data Resources (EDR), a commercial database retrieval company located in Southport, Connecticut. Aerial photographs and historic Fire Insurance Maps were not available for the area; however, historical and current USGS 7.5-minute topographic maps, as well as Sanborn Maps, were obtained and reviewed.

Investigative Findings & Recommendations

A Phase I HTRW Investigation was conducted on the contract work limit areas associated with a proposed flood wall in Prestonsburg, Floyd County, Kentucky in accordance with ASTM Standards 1527-00 and 1528-00.

Based on the investigative findings and the planned activities for these areas, no potential HTRW concerns were noted that would affect the placement of the proposed floodwall at these sites.

There were a few items worth noting near the Contract Work Limits. There was a closed UST present within one block of the intersection of Music St. and Arnold Ave. (This UST is located at an old garage site that is now Mr. Music's personal office. The UST is approximately 50' from the edge of the Arnold Avenue CWL.) A records review with the state of Kentucky stated that the UST was closed in place satisfying exemption by the Kentucky Department of Environmental Protection's UST Branch regulations at that time. A clean closure from Kentucky Department of Environmental Protection's Superfund Branch had not yet been given due to the fact that Marvin Music, property owner, had not performed confirmation sampling around the tank following closure. Following a discussion with Civil Design Section (EC-DC, January 2005), it was noted that the depth of excavation associated with this portion of the floodwall (between 4'-5' excavation) would not infringe on the groundwater table in that area. Due to the fact that construction would not impact groundwater and the distance between the UST and the Contract Work Limits, it is not believed that this UST will impact the proposed Arnold Avenue floodwall. (Depth to groundwater in this area is expected to be approximately 15-20' deep.) If groundwater were to be encountered during construction (aside from sheet piling activities), EC-CE should be notified immediately to conduct sampling to ensure no hazardous substances are present in the groundwater.

Also, two of the USTs which were mapped, state that they are located on the Big Sandy Community College campus. The one identified as belonging to Big Sandy Community College, was removed on 29 September 1995. A records review with the state of Kentucky stated that the UST was removed to the satisfying clean closure by the Kentucky Department of Environmental Protection's UST and Superfund Branches regulations at that time. The other site, Vito's Bar and Grill, was believed to be mislabeled on this map and is believed to be located 1 ½ miles further north on State Route 321, not in the vicinity of the CWL, as indicated in this report

If work plans change to include any additional areas that were not investigated for HTRW concerns during this study, then those areas would require a Phase I HTRW investigation before proceeding.

References

ASTM E 1527-00, Standard Practices for Environmental Site Assessments: Phase I Environmental Site Assessment Process. (January 28, 2002)

ASTM E 1528-00, Standard Practices for Environmental Site Assessments: Transaction Screening Process. (January 28, 2002)

EM 385-1-1, Safety and Health Requirements Manual. (November 3, 2003)

CEORD-RE Memorandum dated 26 July 1994; subject: Policy for Acquiring Lands with Known or Suspected USTs. (July 26, 1994)

EM 200-1-2, Technical Project Planning Guidance for HTRW Data Quality Design. (August 31, 1998)

ER 1165-2-132, Hazardous, Toxic, and Radioactive Waste (HTRW) Guidance for Civil Works Projects. (June 26, 1992)

**Phase I HTRW Investigation Summary - (Floyd Co. Section 202 Nonstructural Project, February 2005,
Report #5)**

Location	No HTRW concerns for floodwall/contract work limits	Area requires Phase II Investigation. ROE is requested	Special wastes are present which require removal by property owner and re-inspection by EC-CE	Special wastes are present and are allowable project costs.	Presence of CERCLA regulated substances or RCRA wastes have been detected.	Other (Please explain.)	Special Notes
Big Sandy Community College Area	X						
Area from Route 1428 to Prestonsburg High School	X						
Arnold Avenue Area	X						

Report of Phase I Hazardous, Toxic, and Radioactive Waste Investigation
Floyd County Section 202 Nonstructural Project
Floyd County, Kentucky
Proposed Arnold Avenue Flood Wall Alignment

1 Introduction

The United States Army Corps of Engineers (USACE), Huntington District (CELRH) conducted a Phase I Hazardous, Toxic, and Radioactive Waste (HTRW) Investigation on the contract work limits along the proposed Arnold Avenue alignment area, which are within in the Floyd County Section 202 Nonstructural Project in Floyd County, Kentucky. For purposes of this report the floodwall alignment was broken down into three areas: the Big Sandy Community College Area (approximately 15 acres on the Community College property), the Area from Route 1428 to Prestonsburg High School (approximately 20 residential and commercial properties), and the Arnold Avenue Alignment (approximately 20 residential tracts along Arnold Avenue). These areas are located within the town of Prestonsburg, KY. (Refer to the Proposed Arnold Avenue Floodwall Alignment map in Appendix A for the exact location of all proposed sites.) Under the Floyd County Nonstructural Section 202 Project Plans; these sites are locations where the proposed floodwall will be constructed. The purpose of this Phase I HTRW Investigation was to identify environmental conditions and to identify the potential presence of HTRW contamination in these areas. The investigation was performed in accordance with ASTM E-1527-00 and 1528-00 Standards, USACE HTRW policies and CELRH ISO 9001 requirements.

1.1 Purpose

Phase I HTRW assessments are performed to ensure the Government does not work on contaminated property containing any recognized environmental condition. The investigation identifies any HTRW concerns prior to any design phase and cost developments for any USACE project. The following assessment was performed in accordance with ASTM E-1527-00 and 1528-00 Standards, USACE HTRW policies and CELRH ISO 9001 requirements.

1.2 Project History

In 1977, the Floyd County, Kentucky area was devastated by flooding of record levels. As a direct result of the losses throughout the Appalachian counties impacted by this event, Section 202 of the Energy and Water Development Appropriations Act of 1981 (Public Law 96-367) was authorized for the area. This Act provides specific authorization for development of flood protection measures.

The local flood protection plan for Floyd County, Kentucky, referred to as the Floyd County Nonstructural Project, consists of structural measures such as the construction of a floodwall and nonstructural measures such as floodproofing or acquisition by the government. USACE HTRW policies require that all tracts designated for floodwall construction limits or floodproofing/acquisition be investigated in order to determine the potential for HTRW concerns

on these tracts. In accordance with this policy, a Phase I HTRW investigation was initiated for the aforementioned area. The results of this investigation are presented in this report.

1.3 Project Overview

The Floyd County project area encompasses portions of Prestonsburg in Floyd County, Kentucky adjacent to the Levisa Fork of the Big Sandy River that were affected by the April 1977 flood. This includes portions of the Levisa Fork tributaries in the study area that were inundated by either headwater or backwater flooding during the April 1977 flood.

During this preliminary stage of the Floyd County Nonstructural Project, areas designated to be investigated were those which are included as a location for the proposed floodwall or are within the Contract Work Limits.

1.4 Scope of Work

A site map showing the location of the area was used to obtain federal and state records of environmentally sensitive incidents and activities in the immediate vicinity of the project area. Federal and state databases were accessed through a commercial database retrieval company.

The fieldwork for the investigation consisted of a site visit to observe conditions of the proposed floodwall location, and adjacent properties with regard to recognizable environmental concerns. Environmental professionals from CELRH EC-CE physically investigated the site during January 4, 2005. During the physical inspection, the ground surface was examined for signs of contamination. Specific indicators of possible environmental contamination include stained soil, stressed vegetation, surface debris, UST fill caps or vent lines, and unusual ground depressions or formations. The site reconnaissance also included the assessment of the potential for contamination due to activities on adjacent properties. Color photographs of features considered to be possible environmental concerns were taken to supplement written records of the visual observations. These photographs are located in Appendix G of this document.

Limited interviews were conducted with the local officials. (Refer to Appendix F.) These interviews were performed in order to obtain information about current and previous usage of the property and about activities associated with environmentally sensitive incidents.

Based on the information obtained, the properties was also evaluated for signs which may exhibit potential contamination that would require mitigation measures in accordance with federal and state law, but for which additional HTRW investigations are not recommended.

1.5 Investigation Limitations

The investigation was performed based solely upon information available to CELRH-EC-CE at the time of the investigation. Services for the Phase I HTRW Investigation did not include sampling, testing, and/or analyses to conclusively ascertain that contamination exists or is absent

at or near the project site. Information concerning environmentally sensitive incidents was gathered based on state and federal databases available for public review and interviews with local government officials. (Refer to Appendix F.) No warranties or certifications can be provided by CELRH-EC-CE concerning the accuracy or completeness of all the information reviewed during the investigation.

The determination of potential HTRW contamination should not be considered as definite assertion that an environmentally sensitive condition actually exists. The conclusions and recommendations presented herein are based on information gathered using that degree of care and skill ordinarily exercised under similar circumstances by a competent member of the environmental profession and no warranties are expressed or implied.

2 Site Description and Investigative Findings

Field investigations of the proposed flood wall areas were performed on January 4, 2005. During the field investigation, physical inspection of the ground surface was examined on the property and adjacent properties for signs of environmental contamination. Photographs of the subject properties were taken and are located in Appendix G. These photographs serve as documentation of the field investigation findings.

Big Sandy Community College Area

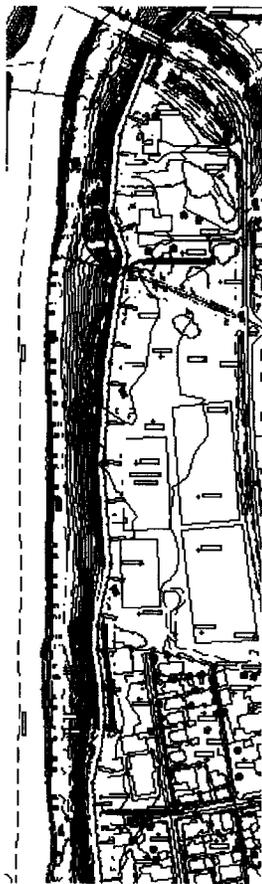


Note – Proposed floodwall given in green. Yellow shaded areas are Contract Work Limits. The Levisa Fork River is shown on the left hand side of the caption. Scale Approximately 1:12000

The Big Sandy Community College Area is located adjacent to the Big Sandy Community College in northern Prestonsburg, Kentucky. The current plan for this area is a portion of the floodwall, contract work limits, and an area that could be used as a borrow area. Site visits were conducted on this and adjacent tracts. Photographs 1-5 located in Appendix G document some of the observations.

Based on the field investigation there is no evidence to indicate that this area has any HTRW concerns that would impact the proposed floodwall and other activities on this site. It should be noted that there were four (4) transformers on power poles in this area. None of the transformers showed signs of leakage. There also appeared to be a natural gas line/well in the area listed as a borrow area on the east side of the Community College Campus (near Access Drive). No signs of contamination were noted as a result of the line.

Area from Route 1428 to Prestonsburg High School



(Upper Half)



(Lower Half)

Note – Proposed floodwall given in green and blue. Yellow shaded areas are Contract Work Limits. The Levisa Fork River is shown on the left hand side of the caption. Scale Approximately 1:12000.

This area is located from the bridge over the Levisa Fork on Kentucky Route 1428 to Prestonsburg High School in northern Prestonsburg, Kentucky. The current plan for this area is a floodwall and contract work limits. This area encompasses residences, a Food City store, and Prestonsburg High

School. Site visits were conducted on this and adjacent tracts. Photographs 6-14 located in Appendix G document some of the observations.

Based on the field investigation there is no evidence to indicate that this area has any HTRW concerns that would impact the proposed floodwall and other activities on this site. It should be noted that there was one (1) transformer on a property near the Route 1428 bridge over the Levisa Fork. This transformer showed no signs of leakage. There appeared to be a natural gas line/well in the area behind the Food City. No signs of contamination were noted as a result of the line. There was a monitoring well located at the Community United Methodist Church. An interview with the pastor of the church revealed that this well was installed by the U.S. Army Corps of Engineers to monitor groundwater in the area. Finally, there is an American Electric Power substation located to the north of Prestonsburg High School Football Field. It is not believed that this substation has adversely affected the surrounding area in regards to HTRW concerns.

Arnold Avenue Area



Note – Proposed floodwall alignment given in blue. Yellow highlighted areas are Contract Work Limits. The Levisa Fork River is shown on the left hand side of the caption. Scale Approximately 1:12000

The Arnold Avenue Area is comprised of the area from Prestonsburg High school down Arnold Avenue in northern Prestonsburg, Kentucky. The current plan for this area is a floodwall and contract work limits. This area encompasses Arnold Ave. and the residences along Arnold Ave. Site visits were conducted on this and adjacent tracts. Photographs 15-18 located in Appendix G document some of the observations.

Based on the field investigation there is no evidence to indicate that this area has any HTRW concerns that would impact the proposed floodwall and other activities on this site. It should be noted that there were ten (10) transformers along Arnold Avenue, but all showed no signs of leakage. There was a closed UST present within one block of the intersection of Music St. and Arnold Ave. An interview that was conducted with Marvin Music, the owner of the property, stated that the UST was emptied and filled with rock and sand in the 1980's. A records review with the state of Kentucky said that the UST was closed in place satisfying exemption by the Kentucky Department of Environmental Protection's UST Branch regulations at that time. A clean closure from Kentucky Department of Environmental Protection's Superfund Branch had not yet been given due to the fact that Mr. Music had not performed confirmation sampling around the tank following closure. Following a discussion with Civil Design Section (EC-DC), it was noted that the depth of excavation associated with this portion of the floodwall (between 4'-5' excavation) would not infringe on the groundwater table in that area. Due to the fact that construction would not impact groundwater and the distance between the UST and the Contract Work Limits, it is not believed that this UST will impact the proposed Arnold Avenue floodwall. If groundwater were to be encountered during construction, EC-CE should be notified immediately to conduct sampling to ensure no hazardous substances are present. (A copy of the correspondence between KYDEP and Mr. Music can be found in Appendix C.)

3 Records Review

3.1 Ownership Histories

A sixty-year ownership history for each tract was researched by CELRH EC-CE personnel in November and December 2004. In some instances ownership histories that were developed for report #2 (dated October 2003) were found to be up-to-date and used in this report. The chain of ownership was established by reviewing current deeds and confirming the information in the Tax Assessor record by means of Deed Books. Grantee and Grantor indices were used to identify earlier deeds; however, some risk of being misled was assumed using this method due to the vague and non-specific nature of older deeds. Tables containing information on ownership transfers are presented in Appendix B. Results of the ownership histories are reviewed in Section 4.2 of this report.

3.2 Federal and State Records

Records of regulatory agencies listing recognized environmental conditions in connection with the property were accessed through Environmental Data Resources (EDR), a commercial data retrieval company located in Milford, CT. The information provided from EDR is located in Appendix C. EDR provided information from the following databases:

3.2.1 Federal Databases

A search distance of 1.5 miles from the target properties was used for research into the following federal databases:

NPL	National Priority List
Proposed NPL	Proposed National Priority List Sites
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP	CERCLIS No Further Remedial Action Planned
CORRACTS	Corrective Action Report
RCRIS-TSD	Resource Conservation and Recovery Information System – Treatment, Storage and Disposal Facilities
RCRIS-LQG	Resource Conservation and Recovery Information System – Large Quantity Generators
RCRIS-SQG	Resource Conservation and Recovery Information System – Small Quantity Generators
ERNS	Emergency Response Notification System

3.2.2 State Databases

A search distance of 1.5 miles from the target properties was used for research into the following state databases:

SHWS	State equivalent of CERCLIS
SWF/LF	Solid Waste Facilities List
UST	Underground Storage Tank Database
VCP	Voluntary Cleanup Program Sites

3.3 Historical Mapping and Photos

Per ASTM E 1527-00, Section 7.3 on historical use information, a review of reasonably ascertainable standard historical sources was performed as a part of this investigation. The purpose of a historical records search is to determine the past uses of each property site within the proposed floodwall alignment. The current and historical USGS 7.5-minute topographic maps were available for examination. A copy of the current USGS topographic map is located in Appendix A, and a copy of the historic USGS topographic maps is located in Appendix C. Aerial photographs and historic fire insurance maps were not available for this area.

4 Findings

In accordance with USACE HTRW Policy, a Quality Control Plan (QCP) and Site-Specific Safety and Health Plan (SSHP) were developed and implemented prior to and during all phases of this investigation. Procedures and documentation of the QCP are located in Appendix D and the SSHP is located in Appendix E.

4.1 Field Investigation

Field investigations of the areas within the flood wall alignment were performed on January 4, 2005. During the field investigation, physical inspection of the ground surface was examined on each property and adjacent properties for signs of environmental contamination. Photographs located in Appendix G document the field investigation findings. No potential HTRW concerns were noted during the field inspection of the properties.

4.2 Review of Ownership Histories

Property ownership histories for the tracts of land within the project area were developed in accordance with ASTM 1527-00 and 1528-00 Standards. These histories were researched by CELRH EC-CE personnel. A sixty year ownership history was researched for each property. Records of the ownership histories are located in Appendix B. No potential HTRW concerns were noted due to ownership history review.

4.3 Interviews

Interviews were conducted with local government officials that have an extensive knowledge of the project area. Records of the interviews are contained in Appendix F. The interviews conducted in this investigation did not expose any potential HTRW concerns.

4.4 Review of Federal and State Regulatory Records

Results of the database records review are presented in the following sections. The complete EDR database search report is located in Appendix C.

4.4.1 NPL

The National Priorities List (NPL) is a subset of CERCLIS and identifies over 1200 sites for priority cleanup of hazardous waste sites identified for priority remedial actions under the Superfund Program. A site must meet or surpass a predetermined hazard ranking system score, be chosen as a state's top priority site, or meet three specific criteria set jointly by the United States Department of Health and Human Services and the United States Environmental Protection Agency to become an NPL site. There are no mapped or proposed NPL sites reported within a 1.5 mile radius around the target areas.

4.4.2 CERCLIS

The Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) is a listing by the EPA of sites that are in the screening and assessment phase for possible inclusion on the NPL. The information on each site includes a history of all pre-remedial, remedial, removal and community relations activities or events at the site, financial funding information for the events, and unrestricted enforcement activities. There are no mapped CERCLIS sites reported within a 1.0 mile radius around the target areas.

4.4.3 CORRACTS

The EPA maintains this database of RCRA facilities that are undergoing corrective action. A corrective action order is issued pursuant to RCRA Section 308 (h) when there has been a release of a hazardous waste to constituents into the environment from a RCRA facility. Corrective actions may be required regardless of when the release occurred, even if it predates RCRA. There are no mapped CORRACTS sites reported within a 1.5 mile radius around the target areas.

4.4.4 RCRIS-TSD

The Resource Conservation and Recovery Information System – Treatment, Storage and Disposal Facilities (RCRIS-TSD) database contains information on facilities that either treat, store, or dispose of hazardous wastes. There is one (1) mapped RCRIS-TSD site, Mountain Metal Company, reported within a 1.0 mile radius around the target area. This site is located in West Prestonsburg, Kentucky, across the Levisa Fork from the project location in Prestonsburg, Kentucky. It is not believed that this site will cause any environmental concerns to the areas under investigation due to the distance from the project site.

4.4.5 RCRIS-LQG

The Resource Conservation and Recovery Information System – Large Quantity Generators (RCRIS-LQG) database contains information on facilities that produce more than 1000kg of EPA regulated hazardous waste per month or meet other applicable requirements of the Resource Conservation and Recovery Act. There are no mapped RCRIS-LQG sites reported within a 0.75 mile radius around the target area.

4.4.6 RCRIS-SQG

The Resource Conservation and Recovery Information System – Small Quantity Generators (RCRIS-SQG) database contains information on facilities that generate between 100kg and 100kg of EPA regulated hazardous waste per month or meet other applicable requirements of the Resource Conservation and Recovery Act. There is one (1) mapped RCRIS-SQG site, Prestonsburg High School, reported within a 0.75 mile radius around the target area. This site is located adjacent to the project area. Due to the type of waste generated and disposal described by school officials, it is not believed that this site will cause any environmental concerns to the properties under investigation.

There are ten (10) orphan RCRIS-SQG sites with vague locations given. Based on visual inspections and the general location of the site that was given, there are no environmental concerns believed to be associated with these orphaned sites.

4.4.7 ERNS

The Emergency Response Notification System (ERNS) is a national database containing records from October 1986 and is used to collect information for reported releases of oil and hazardous

substances. The database contains information from spill records made to federal authorities including the EPA, US Coast Guard, National Response Center, and Department of Transportation. There are no mapped ERNS sites reported within a 0.5 mile radius of the target area.

4.4.8 Mines

The source of the Mines Master Index File is the Department of Labor, Mine Safety and Health Administration. There is one (1) MINES site, CJ McNally Co. Inc, within 0.75 miles of the target area. Based on visual inspections and the mapped locations, it is determined that the MINES sites are unlikely to cause any environmental concerns to the areas under investigation.

4.4.9 SHWS

The State Hazardous Waste Sites (SHWS) records are the Kentucky states' equivalent to CECLIS. These sites may or may not already be listed on the federal CERCLIS list. The data come from the Department of Environmental Protection's Uncontrolled Site Branch. There is one (1) SWHS site, Measuring Station 804732, within a 1.0 mile radius of the target areas. This site is located outside the Prestonsburg city limits. Based on visual inspections and the mapped locations, it is determined that the SWHS site is unlikely to cause any environmental concern to the areas under investigation.

4.4.10 SWF/LF

The Kentucky Solid Waste Facility/Landfill Facilities (SWF/LF) List contains a summary of information pertaining to all permitted solid waste landfills and processing facilities operating within the State of Kentucky. There are no mapped SWF/LF sites reported within a 1.0 mile radius around the target area.

There is one (1) orphan SWF/LF site with a vague location given. Based on visual inspections and the general location of the site that was given, there are no environmental concerns believed to be associated with this site.

4.4.11 UST

The Kentucky Underground Storage Tank (UST) report is a listing of all registered active and inactive underground storage tanks located within the State of Kentucky. There are six (6) mapped UST sites reported within a 1.0 mile radius around the target area. Two of the USTs which were mapped, state that they are located on the Big Sandy Community College campus. The one identified as belonging to Big Sandy Community College, was removed on 29 September 1995. A records review with the state of Kentucky stated that the UST was removed to the satisfying clean closure by the Kentucky Department of Environmental Protection's UST and Superfund Branches regulations at that time. A copy of the clean closure letter is presented in Appendix C. The other site, Vito's Bar and Grill, was believed to be mislabeled on this map and is believed to be located 1 ½ miles further north on State Route 321, not in the vicinity of the

CWL, as indicated in this report. Based on location information and visual inspection it does not appear that any of the other sites will have an environmental impact on these areas.

There are twelve (12) orphan UST sites with vague locations given. One orphaned UST site, Marvin Music, Jr. is located within one block of the proposed Arnold Avenue Floodwall alignment. A records review with the state of Kentucky stated that the UST was removed to the satisfying clean closure by the Kentucky Department of Environmental Protection's UST Branch regulations at that time. Based on a site visit, interview with Mr. Music, and KYDEP records it is not believed that this UST will adversely affect the proposed floodwall. A copy of the clean closure letter is presented in Appendix C. Also, based on visual inspections and the general location of the site that was given, there are no environmental concerns believed to be associated with the other orphaned sites as well.

4.4.12 SB-193

The SB-193 inventory indicates facilities that have performed permanent closure activities at a regulated underground storage tank facility and have known soil and/or groundwater contamination. There are no mapped SB-193 sites within a 1.0 mile radius of the target area.

There are four (4) orphan SB-193 sites with vague locations given. Based on visual inspections and the general location of the site that was given, there are no environmental concerns believed to be associated with these orphaned sites.

4.4.13 Orphan Sites

Orphan sites are sites reported in the UST database that could not be mapped by EDR due to unclear or inadequate address information. There were twenty-five (25) orphan sites within a 1.5 mile radius of the target area. Based on visual inspections and the general location of the sites given, there are no environmental concerns associated with these orphaned sites.

4.5 Historical Photographs and Mapping

The current and historical USGS topographic maps were reviewed and did not indicate any activities that would cause HTRW concerns on the target properties. A copy of the current USGS topographical map is located in Appendix A, and a copy of the historical USGS topographical map is located in Appendix C.

5 Recommendations

A Phase I HTRW Investigation was conducted on the contract work limit areas associated with a proposed flood wall in Prestonsburg, Floyd County, Kentucky in accordance with ASTM Standards 1527-00 and 1528-00.

Based on the investigative findings and the planned activities for these areas, no potential HTRW concerns were noted that would affect the placement of the proposed floodwall at these sites.

There was a closed UST present within one block of the intersection of Music St. and Arnold Ave. A records review with the state of Kentucky stated that the UST was closed in place satisfying exemption by the Kentucky Department of Environmental Protection's UST Branch regulations at that time. A clean closure from Kentucky Department of Environmental Protection's Superfund Branch had not yet been given due to the fact that Marvin Music, property owner, had not performed confirmation sampling around the tank following closure. Following a discussion with Civil Design Section (EC-DC), it was noted that the depth of excavation associated with this portion of the floodwall (between 4'-5' excavation) would not infringe on the groundwater table in that area. Due to the fact that construction would not impact groundwater and the distance between the UST and the Contract Work Limits, it is not believed that this UST will impact the proposed Arnold Avenue floodwall. If groundwater were to be encountered during construction (aside from sheet piling activities), EC-CE should be notified immediately to conduct sampling to ensure no hazardous substances are present in the groundwater.

If work plans change to include any additional areas that were not investigated for HTRW concerns during this study, then those areas would require a Phase I HTRW investigation before proceeding.

6 References

ASTM E 1527-00, Standard Practices for Environmental Site Assessments: Phase I Environmental Site Assessment Process. (January 28, 2002)

ASTM E 1528-00, Standard Practices for Environmental Site Assessments: Transaction Screening Process. (January 28, 2002)

EM 385-1-1, Safety and Health Requirements Manual. (November 3, 2003)

CEORD-RE Memorandum dated 26 July 1994; subject: Policy for Acquiring Lands with Known or Suspected USTs. (July 26, 1994)

EM 200-1-2, Technical Project Planning Guidance for HTRW Data Quality Design. (August 31, 1998)

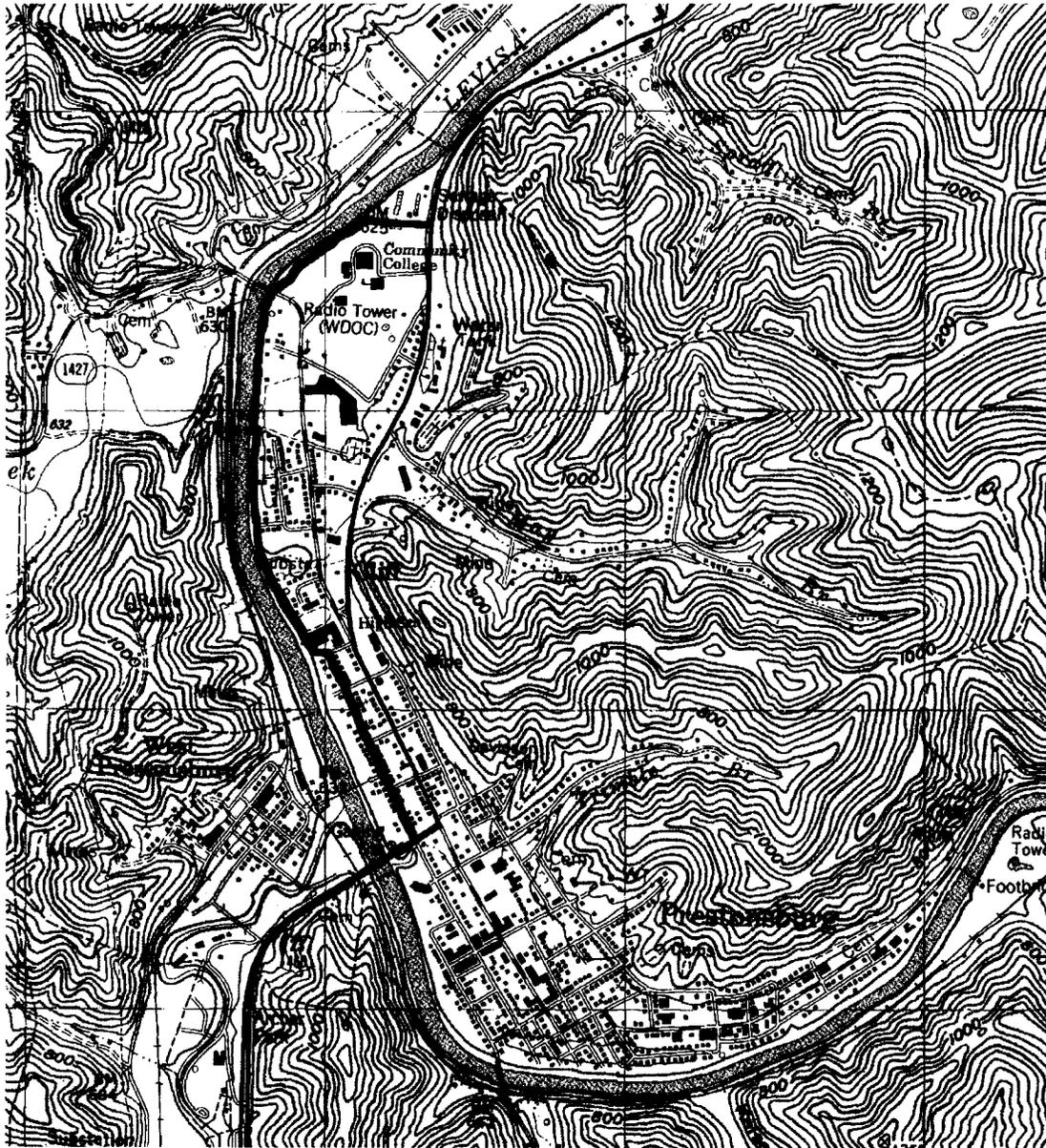
ER 1165-2-132, Hazardous, Toxic, and Radioactive Waste (HTRW) Guidance for Civil Works Projects. (June 26, 1992)

**Phase I HTRW Investigation Summary - (Floyd Co. Section 202 Nonstructural Project, February 2005,
Report #5)**

Location	No HTRW concerns for floodwall/contract work limits	Area requires Phase II Investigation. ROE is requested	Special wastes are present which require removal by property owner and re-inspection by EC-CE	Special wastes are present and are allowable project costs.	Presence of CERCLA regulated substances or RCRA wastes have been detected.	Other (Please explain.)	Special Notes
Big Sandy Community College Area	X						
Area from Route 1428 to Prestonsburg High School	X						
Arnold Avenue Area	X						

**APPENDIX A
OVERALL PROJECT LOCATION
AND TOPOGRAPHIC MAP**

Report of Phase I Hazardous, Toxic, and Radioactive Waste Investigation
Floyd County Section 202 Nonstructural Project
Floyd County, Kentucky
Proposed Arnold Avenue Flood Wall Alignment
Project Area Outline



Scale Approximately 1:24000
Proposed location of flood wall indicated with a red line.

APPENDIX B
OWNERSHIP HISTORIES

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
45-00-00-103	Marshall Davidson Special Commissioner	Commonwealth of KY, University of Kentucky, Prestonsburg Community College	276/114	22 Mar 74	Commissioners Deed
Structure No. LV0031	Porter, J. Graham & Lyda M; Elliott, Susan P.	Board of Trustees University of Kentucky	Order Book 66/102	21 Mar 74	Floyd County Circuit Court Judgement CR 10,111
LV0032	Porter, Cynthia M	Porter, J.Graham & Lyda M; Elliott, Susan P.	187/354	3 Apr 65	Affidavit of Descent
LV0033	Porter, J.M (deceased)	Porter, Cynthia M (widow)	NA	NA	Willed no Record
LV0034	Shepherd, H.H. & Minnie	Porter, J.M.	66/96	15 Apr 24	
LV0035 LV0036	Music, Fannie	Music Larry D	448/566	5 Jul 00	
	Music, Paris	Music, Fannie	421/96	25 Jul 98	
45-00-00-101	Music, Elmer & Annie	Music, Paris	170/247	7 Oct 58	
1.5 Acres	Music, Paris & Fannie	Music, Elmer	158/216	16 Dec 54	
Tract I	Music, Elmer & Annie	Music, Paris & Fannie	155/387	2 May 53	
	Frazier, Allie Fouts & Grover L	Music, Paris	125/151	13 Feb 45	
Tract II	Frazier, Grover L.	Frazier, Allie Fouts & Grover L	103/455	4 Jan 36	

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
045-20-01-027	Cooley, Otis H. & Sarah F	Cooley, Otis H. Jr & Oddie Lynn	465/189	17 Sep 01	
Structure No. LV0090	Cooley, Otis H & Sarah F	Cooley Otis H. & Sarah F.	210/386	15 Sep 72	Lots 5,6,7,8 Block 4
LV0092	Music, Edward C. & Thelma	Cooley, Otis H. & Sarah F	210/346	24 Jul 72	
LV0091	Webb, J.O. & Mary M.	Music, Edward C.	195/320	8 Sep 67	
	Hereford, Inez M & Thomas	Webb, J.O. & Mary M.	104/551	3 Mar 36	
	Alley, Keith & Elizabeth	Cooley, Otis H. & Sarah F	207/552	27 Jul 72	Tracts I, II, & III
	Alley, Marvin, Emma & Charlie	Alley, Keith & Elizabeth	206/226	11 Sep 71	Tract I
	Alley, Emma W (widow)	Alley, Marvin, Emma & Charlie	203/529	12 Nov 70	Tract I
	Craft, Scott T & Helen	Alley, Emma W	148/87	9 May 51	Tracts I, II, & II
	Webb, Mary M & J.O.	Craft, Scott T	147/378	15 Oct 49	
	Hereford, Inez R. & Thomas	Webb, Mary M. & J.O.	104/551	30 Mar 36	
	Alley, Emma & Charles W	Alley, Keith & Elizabeth	169/144	28 Jun 58	Tract II
	Craft, Scott T. & Helen	Alley, Emma W	148/87	9 May 51	
	Alley, Emma & Charles W	Alley, Keith & Elizabeth	168/201	5 Mar 58	Tract III
	Craft, Scott T & Helen	Alley, Emma W	148/87	9 May 51	Tracts I, II, & III

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
45-20-01-028	Kiser, Phillip C & Rose D	Skeen, Timothy & Pamela Weiner (husband & wife)	44/355	7 Feb 00	
	Cooley, Otis H. & Sara F	Kiser, Phillip C. & Rose D	366/216	30 Apr 93	
	Alley, Keith & Elizabeth A	Cooley, Otis H. & Sara F	207/552	27 Jul 72	
	Alley, Marvin, Emma & Charlie	Alley, Keith & Elizabeth	206/226	11 Sep 71	Tract I
	Alley, Emma W (widow)	Alley, Marvin, Emma & Charlie	203/529	12 Nov 70	Tract I
	Craft, Scott T & Helen Webb, Mary M & J.O.	Alley, Emma W Craft, Scott T	148/87 147/378	9 May 51 15 Oct 49	Tracts I, II, & III
	Hereford, Inez R. & Thomas Alley, Emma & Charles W	Webb, Mary M. & J.O. Alley, Keith & Elizabeth	104/551 169/144	30 Mar 36 28 Jun 58	Tract II
	Craft, Scott T. & Helen Alley, Emma & Charles W	Alley, Emma W Alley, Keith & Elizabeth	148/87 168/201	9 May 51 5 Mar 58	Tract III
	Craft, Scott T & Helen	Alley, Emma W	148/87	9 May 51	Tracts I, II, & III

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
045-30-01-006	Shreve, Jettie Sparks	Burchett, Rebecca H	350/472	23 Sep 91	
Structure No. LV0167	Sparks, William McKinley	Sparks, Jettie	WB B/374	15 May 62	
LV0168	Sparks, Oakley & Elizabeth	Sparks, W. McKinley	149/113	14 Jul 50	
45-30-01-017	Burchett, Wade & Lois	Burchett, Clyde & Eileen	240/608	24 Jul 79	Parcel I
Structure No. LV0178	Burchett, Rebecca (widow); Burchett, Clyde B & Eileen W; Cosco, Geraldine & Otto; Burchett, Bernard & Marilyn; Burchett, Jack & Sylvia; Cox, Blanche & James; Wallace, Virginia & Frank; Richardson, Tommy Jean & Clay; Burchett, Kenneth Ray & Linda; Burchett, Gayle R & Ronda	Burchett, Wade & Lois	217/578	25 Aug 47	
	Elkins, Goldie Commissioner; Goble, Dallis May & Bradis; Ward, Kate & John; Wheeler, Joe and Burchett, Pauline; Burchett, Forest & Lucy	Burchett, Rebecca	136/594	25 Aug 47	
	Burchett, Rebecca	Burchett, Tom	148/303	31 Jul 51	
	Goble, Sallie et al Kate Ward	Burchett, Forest et al		Jun 47	Court Term
	Burchett, Rebecca (widow); Burchett, Clyde B & Eileen W; Cosco, Geraldine & Otto; Burchett, Bernard & Marilyn; Burchett, Jack & Sylvia; Cox, Blanche & James; Wallace, Virginia & Frank; Richardson, Tommy Jean & Clay; Burchett, Kenneth Ray & Linda; Burchett, Gayle R & Ronda	Burchett, Clyde B & Eileen	217/576	5 Nov 71	Parcel II

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
45-30-01-017	Burchett, Thomas (deceased)	Burchett, Rebecca (widow); Burchett, Clyde B & Eileen W; Cosco, Geraldine & Otto; Burchett, Bernard & Marilyn; Burchett, Jack & Sylvia; Cox, Blanche & James; Wallace, Virginia & Frank; Richardson, Tommy Jean & Clay; Burchett, Kenneth Ray & Linda; Burchett, Gayle R & Ronda	211/145	27 Nov 72	Affidavit of Descent
Structure No. LV0178	Elkins, Goldie Commissioner; Goble, Dallis May & Bradis; Ward, Kate & John; Wheeler, Joe and Burchett, Pauline; Burchett, Forest & Lucy	Curchett, Rebecca	136/594	25 Aug 47	
	Burchett, Rebecca	Burchett, Tom	148/303		
	Cesco, Geraldine & Otto	Burchett, Clyde & Eileen	217/575	12 Aug 74	Parcel III (11&12 Block P)
	Burchett, Rebecca (widow); Burchett, Clyde & Eileen; Cosco, Geraldine & Otto; Burchett, Bernard & Marilyn; Burchett, Jack & Sylvia; Cox, Blanche & James; Wallace, Virginia & Frank; Richardson, Tommy Jean & Clay; Burchett, Kenneth Ray & Linda; Burchett, Gayle & Ronda				

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
045-30-01-006	Shreve, Jettie Sparks	Burchett, Rebecca H	350/472	23 Sep 91	
Structure No. LV0167	Sparks, William McKinley	Sparks, Jettie	WB B/374	15 may 62	
LV0168	Sparks, Oakley & Elizabeth	Sparks, W. McKinley	149/113	14 Jul 50	
45-30-01-005	Shreve, Jettie Sparks	Burchett, Rebecca H	350/472	Sep 91	
	Sparks, William McKinley	Sparks, Jettie	WB B/374	15 may 62	
	Sparks, Oakley & Elizabeth	Sparks, W. McKinley	149/113	14 Jul 50	
45-20-01-017	Grant, Abigail Allen Bolling & Lenny	Burchett, Clyde B & Eileen W	227/68	29 Jun 76	Parel III
Structure No. LV0178	Price, Frank & Melvina	Bolling, Abigail & Tom	197/515	18 Nov 68	
	Stephens, Henry Jr. & Julia B	Price, Frank & Melvina	131/381	7 Jun 46	
	Gearheart, Orris & Mae D	Price, Frank & Melvina	131/381	7 Jun 46	
	Hopkins, Valentine P (widow) Hopkins, John Calvin	Stephens, Henry Jr. & Julia B Gearheart, Orris & Mae D	131/331	14 Jan 46	
	Hopkins J.C. (dceased)	Hopkins Valentine (widow) Hopkins, John Calvin	WB-B/14	23 Oct 33	
	Layne, Will H	Hopkins J.C.	83/216	1 Mar 27	
	Cesco, Geraldine & Otto	Burchett, Clyde B & Eileen	226/480	23 Jun 76	
		Cesco, Gerald & Otto et al	211/145	27 Nov 72	

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
45-20-01-018	Porter, Graham & Lyda M Elliott, Susan P (widow)	Absher, Jack	199/394	8 Aug 69	
Structure No. LV0078	Porter, Cynthia M	Porter Graham & Lyda M Elliott, Susan P (widow)	187/354	6 Apr 65	Affidavit of Descent
	Porter, J.M.	Porter Cynthia M	WB-B/74	10 Feb 09	
45-30-01-018	Reed, M.K. & Nelle	Burke, Harry R. or Barbara	209/111	9 Feb 72	
Structure No. LV0179	Hall, Wade & Blanche R	Reed, M.K. & Nelle	147/213	9 Mar 51	
	Allen, John & Alice	Hall, Wade & Blance R.	131/544	15 Jul 46	
	Hall, Town & Hollie B	Allen, John	126/287	22 Jun 45	
	Howard, Mary Harkisn	Hall, Town & Hollie B.	112/100	16 Jun 37	

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
045-20-01-002	Music, Marvin	Music, Florence M	WV2/97	29 May 90	
Structure No. LV0049	Collins, Dicie & John D	Music, Marvin & Florence M	148/244	27 Apr 55	
LV0060	Nunnery, J.H. & Sylvia	Collins, John D. & Dicie	135/255	10 Apr 47	
	Burke, Heber & Minta	Nunnery, J.H.	132/188	220 Jul 46	
	Rinehart, C.F. 7 Venelia	Burke, Heber, & Minta	132/187	25 Aug 45	
			123/577		
	Rinehart, C.F. & Venelia	Nunnery J.H.	132/187	24 Aug 45	1/2 interest
	Cottrell, Lida (widow); Webb, Mary M & J.O. (Husband & Wife); Hereford, Inez R & Thomas	Rinehart, C.F. & venelia	123/577	17 Aug 44	
	Richmond, Isaac (deceased)	Cottrell, Lida (widow); Webb, Mary M & J.O. (Husband & Wife); Hereford, Inez R & Thomas	WB-A/237	2 Jun 21	
	Richmond, Mary R	Cottrell, Lida (widow); Webb, Mary M & J.O. (Husband & Wife); Hereford, Inez R & Thomas	WB-B/68	16 Sep 36	

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
045-30-04-016	Allen Warnie D & Deborah A	Skaggs, James P & Judith P Trust	457/302	23 Mar 01	
LV0200	Hazelett, James W	Allen , Warnie D & Deborah A	414/112	3 Dec 97	
	Shepherd, Norman & Gracie	Hazelett, James W & Ruth	203/56	29 May 69	
	Harris S. Howard Special Commissioner, Behalf of Virginia Leslie Hines, Leslie, Rose Mary; Leslie, Nell Ruth; Leslie, Judith Gale	Shepherd, Norman	182/417	13 May 63	
	Shepherd, Denver; Slone Billy; Shepherd Judy Leslie; Slone, Rosemary Leslie	Shepherd Norman	182/40	11 May 63	Quit Claim Deed
	Leslie, David B.	Leslie, Rosemary; Leslie, Nelle Ruth; Leslie, Judith Gale	147/428	8 Mar 50	Quit Claim Deed
	Combs, Bart T & Mabel; Nunnery, Byron & Lucille	Leslie, David B & Virginia	140/592	8 Jan 49	
	Combs Bart T & Mabel H	Nunnery, Byron	138/561	13 Nov 46	
	Mayo, W.P. & Reba	Combs, Bert & Mabel	138/561	13 Nov 46	
	Howard, J.W. & Florence	Mayo, W.P. & Reba	129/354	23 Jan 46	
	Brown, W.H. & Lena	Howard, J.W.	126/321	23 Jun 45	
	Brown, W.H.	Brown, Lena	94/95	16 Aug 32	

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
45-20-03-009	Thema K Music, Executrix, Edward C Music Estate' Thelma K. Music (wife) ; Peggy Music Carter, Judy Music Show	Floyd Co BOE (Football Field)	478/157	29 Aug 02	
	Music Edward C.	Edward C. Music Estate Thelma K. Music (wife) ; Peggy Music Carter, Judy Music Show	WB-T/175	13 Jul 00	
	Webb Mary M & J.O.	Music, Edward C.	195/320	8 Sep 67	
	Hereford, Inez May & Thomas	Webb, Mary M. & J.O.	104/551	30 Mar 36	
	Neely Carlos E & Norma J	Floyd Co BOE	449/546	28 Jul 00	Lot 22 Gasco Park Auction
	Skeans, Floyd & Alicek	Neely Carlos E & Norma J	225/434	28 May 76	

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
45-20-01-004	AEP KY Coal LLC	Ramsey Prestonsburg Dev LLC	489/496	30 Jul 03	
LV0062	Porter, Lyda M et al	Branham & Baker Coal Co et al	473/362	21 May 02	Deed of Connection
LV0063	Branham & Baker Coal Co Et al; Quaker Coal Co. Inc.; Panther Land Co; Millard Processing Corp; Brenham & Baker Underground Corp	AEP KY Coal LLC	465/424	30 Oct 01	
	Porter Lyda M et al, widow; Charles G & Star Porter; Mary Sue Crawford	Brenham & Baker Coal Co.	305/361	30 Oct 86	
	Porter, J. Graham	Poter, Lyda M et al	305/359	27 Oct 86	Affidavit of Descent
	Elliott, Susan	Porter, Cynthia M			
	Porter Cynthia M (deceased)	Porter, J. Graham, Elliott, Susan			Inherited as described in 186/164
	Porter, Jacob M. (deceased)	Porter, Cynthia M			Inherited as described in 186/164
	Booten, RS& Fannie	Porter Jacob M.	10/356	5 Feb 04	

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
45-30-09-007	Shannon, Vivian	Majakey, Lee V. & Melinda G.	327/450	12 May 89	
LV0257	Shannon, Vivian & George Lee	Shannon, Vivian C & George Lee	219/691	24 Apr 87	
	Hooker, Catherine Caudill & R.H.	Shannon, Vivian C & George Lee	319/685	24 Apr 87	Quit Claim Deed Alley
	Combs, Bonnie M	Shannon, Vivian C & George Lee	319/683	6 Apr 87	Quit Claim Deed Alley
	Shannon, William K & Mitsuko P	Shannon, Vivian C & George Lee	319/681	15 Jan 67	Lots 1,2,3 & 4Block 9
	Combs Bonnie M. & Dr. G.N.	Shannon William K	319/678	8 May 81	
	Caudill, John W. & Nancy	Caudill, Vivian, Caudill Bonnie Mae	319/678	8 May 81	Affidavit of Descent
	WC Gobble Commission of Floyd Co Circuit Court	Caudill, John W	97/87	19 Nov 26	

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
45-00-0-072		KY WV Gas			
LV0002					
LV0003					

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
45-00-00-102		City of Prestonsburg			

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
045-30-01-001		Board of Education			
LV0162					

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
45-20-01-00401	Void	Worked w/ 045-20-01-004-00			

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
045-30-01-016	Adams, April Lynn	Adams, James Douglas M.D.	297/641	19 Apr 85	
LV0177	Cudill, John David & Karen Sue Stumbo, Gregory D & Deborah G	Adams, April Lynn	290/660	28 Feb 85	
	May, James Andrew & Christine Williams, Barbara May	Cudill, John David & Karen Sue Stumbo, Gregory D & Deborah G	278/256	20 Aug 83	
	May, A.J. Jr.	May, Bess S; May, James A Williams, Barbara May	278/254	20 Aug 83	Affidavit of Descent
	May, A.J. Sr. & Julia G	May A.J. Jr. & Bess S	119/632	30 Nov 42	

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
045-20-01-023	Dickerson, Fred Lamar	Dickerson, Ethel	210/52.7	19 Oct 72	Lots 10, 11, 12, Block 5 Quit Claim Deed
	2.5 Dickerson Estate	Dickerson Fred	NA	NA	
	Dickerson Fred & Ethel	Dickerson, Z.S & Bertha P	138/15	16 Apr 46	Lots 10, 11, 12, 13, 14, 15 Block 5
	May, Emma Alie & B.V. et al Elizabeth Jane & Burl Spurlock; Elizabeth A. & W.B Garriott	Dickerson, Fred & Ethel	131/130	16 Apr 46	
	Garriott, Elizabeth a Wells	May, Emma Alie & B.V. et al Elizabeth Jane & Burl Spurlock; Elizabeth A. & W.B Garriott	64/567	27 Oct 23	

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
45-30-02-011	Recca Harkins Estate, Mary Jane Harkins (widow), Barbara Baker & Charles A Wiechers (h&w); Joseph D. III & Lena Harkins (h&w) William H & Pamela N Harkins (h&w); Billie H Hopps; Guardian for Victoria Baker Harkins, & J.S. Howard Executor of the will of Recca, B. Harkins	Abisher, Jack & Catherine	187/542	3 Feb 64	1
LV0189	Harkins Joseph D	Harkins Recca B	76/171	1 Jan 27	

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
45-20-03-005	Music, Edward C	Music, Thelma K.	342/272	13 Nov 90	
LV0120	Lamping, Ruby Music	Music, Edward C	341/573	26 Oct 90	Quit Claim Deed
	Little, Carl & Lula Holbrook, R.L. & Nancy	Music, Edward C. & Ruby	146/346	18 Nov 50	Tract I
	Webb, Mary M & J.O.	Little, Carl Holbrook R.L.	146/284	15 Oct 49	
	Hereford, Inez R. & Thomas	Webb Mary M. & J.O.	104/551	30 Mar 36	
	Webb, Mary M & J.O.	Music, Edward C. & Ruby	147/457	28 Apr 51	Tract II

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
45-20-01-003	Neeley, Marie (widow)	Neeley, Carol Jean	388/835	22 Aug 95	Warranty Deed
LV0064	Neeley T.E. & Marie	Neeley, Carol	294/417	30 Aug 85	Lots 7&8 & 13' of Lot 9 B levels 3
LV0077 LV0080	Caudill John & Nancy; Westbrook W.B. Harkins, Joseph D. & Reca	Neeley T.E. & Marie	79/329	15 Sep 28	
	Neeley T.E. & Marie	Neeley, Carol Jean	294/83	27 Jun 85	12' of Lot 9, Lot 10 & 11 Block 3
	Harkins, Joseph D & REca	Neeley, T.E. & Marie	79/327	14 Sep 28	
	Neeley, T.E. & Marie	Ousley, Carol Neeley	237/409	1 Jun 78	Lots 3 & 4 Block 3
	Neeley T.E.	Neeley Carol Jean	WB6/518	5 Feb 87	

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
045-30-01-003	Clark, Edford Sr & Mary M	Clark, Edford L. Jr	326/362	4 Apr 89	
LV0164	Leslie, Randal H & Lenore	Clark, Edford L Sr. & Mary M	215/37	19 Jun 73	
LV0165	Burke, Herber & Mintie N	Leilie, Randall H & Lenore	192/359	9 Feb 67	
	Camicia, James R & Nancy H	Burke, Herber & Mintie, N	138/324	9 June 48	
	Haran, Russell Senguar	Camicia James R & Nancy H	131/430	20 Mar 46	
	Archer, Angeline L. et al; E.R. Burke & Grace Layne Burke (h&w) Frank H & Mary Lou Layne (h&w)	Harman, Russell	129/438	21 Jan 46	
	Burke, Grace Layne et al Grace Layne & E.R. Burke (h&w); Frank H. & Mary Lou Layne (h&w)	Archer, Angeline Layne	102/355	30 Jul 34	

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
045-30-01-04	May, Eva L	May Katy & Russell II	WBY 599	23 Jun 03	
LV0166	Horn, Guy	May, Russell E & Eva	166/23	2 Jul 57	
	Cottrell, Lida	Horn, Guy	119/642	28 Nov 42	
	Russell Kay				
	Price, Vince				

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
045-20-03-004	Edwards, Vera	Edwards, Lloyd	WBE/329	10 Jan 83	
	Music, Edward C & Thelma K	Edwards, Lloyd R & Vera	196/232	16 Mar 68	
	Webb, Mary M. & J.O.	Music, Edward	195/320	8 Sep 67	
	Hereford, Inez M & Thomas	Webb, Mary M & J.O.	104/551	30 Mar 36	

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
045-30-01-009	Adams, Frank & Judith M. Adams; Romzlet, D & Jean Adam; Virginia Adams Watson	Hobson Jack R & Ruth	347/463	23 May 91	
	Adams, June widow	Adams, Frank & Judith M. Adams; Romzlet, D & Jean Adam; Virginia Adams Watson	232/275	30 Oct 87	
	Adams, Frank	Adams, June	WB-D/507	28 July 81	
	Preston, Naoma & Herbert Wells, Clyde	Adams, Fank & June	222/5	22 Mar 75	
	Wells, Effie	Preston, Naoma & Herbert Wells, Clyde	222/5	22 Mar 75	
	Jessee J.R. & Maxine	Whitaker, Allen & Mary E	143/31	8 Jun 49	
	Arnold, E.P. & Victoria	Jessee, J.R. & Maxine	136/415	30 Sep 47	
	Spradlin, Glenn C & Dora	Arnold E.P.	132/399	17 Oct 46	
	NA	Spradlin, Glenn C.	NA	NA	

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
45-30-01-010	Wallen Thelma (widow)	Wright, Rowland M & Linda	363/211	30 Dec 92	
LV0172	Shepherd, Robert L. Wilmediea	Wallen, WW	147/33	3 Feb 51	
LV0173	Wallen, Willie, W	Wallen, Thelma	200/723	2 Jun 70	Affidavit of Descent
	Arnold, E.P. & Victoria D.	Shepherd, Robert L	133/241	26 Dec 46	
	Spradlin, Glenn C. & Dora	Arnold, E.P.	132/399	17 Oct 46	
	NA	Spradlin, Glenn C.	NA	NA	

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
45-30-01-012	Allen Rentals, Inc	Patton, Jennifer	487/508	20 Jun 03	Lots 44, 45, 46, 47 & 48
LV0174	Allen, John & alice R	Allen Rentals, Inc	475/144	6 May 98	
	Sparks, Oakley and Elizabeth (h&w) et al McKinley & Jettie Sparks (h&w)	Allen, John & Alice R	143/551	30 Sep 52	
	Dickerson, Fred & Ethel	Sparks, Oakley & McKinley	147/356	6 Apr 51	
	Ranier Regeina & T.R.	Dickerson, Ethel B	147/354	23 Feb 48	Lots 44, 45, 46, 47, & 48
	Nonnery, Byron & Lucille	Ranier, Regeina	135/336	6 Mar 47	Lots 44 & 45
	Spradlin, Glenn C. & Dora Arnold, E.P. & Victoria	Ranier, Regeina	130/219	28 Mar 46	Lots 46, 47, & 48
	Spradlin, Glenn C.	Nunnery, Bryan	130/159	28 Mar 46	Lots 44 & 45
	NA	Spradlin, GC & Dora Arnold E.P. & Victoria	NA	NA	

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
045-30-01-014	Music, Marvin E Jr	Music, Ella Faye	322/397	23 May 86	Parcel # 1&2
LV0175	Francis, Robert D & Jean	Music, Marvin E. Jr & Ella Faye	179/533	2 Jun 62	Parcel #1
	Harkins, Joseph D Jr & Billie H	Fancis Robert D.	184/82	19 Oct 49	
	Harkins, Walter S III & Mary J.	Harkins Joseph D. Jr & Billie H	137/282	20 Jan 48	Tract #1
	Harkins Joseph D. & Becca B	Harkins, Walter S. III	110/569	26 Dec 38	
	Harkins, Joseph D. & Becca B	Harkins Joseph D. Jr	110/57	26 Dec 38	Tract #2
	Music, Marvin & Florence	Music, Marvin E. Jr. & Ella Faye	193/263	12 Jun 67	Parcel #2
	KY Power Co.	Music, Marvin	191/256	20 Jun 66	
	Hand, W.T.S. & Minta B	KY & WV Power Co. Inc.	74/1	30 Sep 26	

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
45-30-01-015	Leslie, Alta B	Leslie Robert K & Tessa M	321/480	7 Nov 86	
LV0176	Leslie, Edward B	Leslie, Alta B	WB-D/168	12 Aug 80	Tracts 1&2
	Browning, Josephine & Iley B	Leslie Edward B & Alta B	143/430	9 Sep 49	Tract 1
	Harkins, Josie D	Browning, Josephine H.	88/345	2 Aug 29	
	Francis, Robert D. & Emma J	Leslie, Edward B & Alta B	151/300	25 Jun 52	Tract 2
	Harkins, Josph D & Billie H	Francis Robert D	144/82	19 Oct 49	
	Harkins, Walter S III & Mary J.	Harkins Joseph D. Jr & Billie H	137/282	20 Jan 48	Tract #1
	Harkins Joseph D. & Becca B	Harkins, Walter S. III	110/569	26 Dec 38	
	Harkins, Joseph D. & Becca B	Harkins Joseph D. Jr	110/57	26 Dec 38	Tract #2
	Music, Marvin & Florence	Music, Marvin E. Jr. & Ella Faye	193/263	12 Jun 67	See Tract 45-30-01-014 for the remainder of this history

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
45-30-01-019	Worland Ruth Estate	Gullet, Aland & Grecthen N	459/449	24 May 01	
LV0180	Worland, Edward	Worland, Ruth	WB-F/310	16 Nov 84	
	Nunnery, Byron & Lucille Allen, John & Alice B	Worland Edward & Ruth	161/40	27 Jul 55	
	Van Landingham, Mary E.H. & W.F.	Nunnery, Byron Allen, John	160/121	29 Jul 55	
	Harkins, Joseph D	VanLandingham, Mary E.H	64/271	8 Jul 23	

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
45-30-01-020	Carter, Judith H Estate	Layne, David Allen II & Martha	489/674	19 Aug 03	
LV0181	Carter, Judith H	Carter, Judith H. Estate; Carter, James J III; Spurlock, Susan R, Carter, Rebecca A	WB-W/1	28 Dec 01	
	Howard, Josephine	Carter, Judith H	436/148	6 Jul 99	
	Howard, Ray	Howard, Josephine	170/299	14 Nov 58	
	Van Landingham, Mary E.H. & W.F.	Nunnery, Byron Allen, John	160/121	29 Jul 55	
	Harkins, Joseph D	VanLandingham, Mary E.H	64/271	8 Jul 23	
	Craft, Susan H	Howard, Ray	160/603	2 Nov 55	Tract #2
	Cooley, Jobie & Myrtle	Craft, Susan H.	148/143	11 Jun 51	
	Taylor, Emma & Reuben	Cooley, Jobie & Myrtle	138/636	1 Sep 48	
	Nunnery, Byron & Lucille Allen, John & Alice	Taylor, Emma & Reuben	118/519	30 Apr 42	

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
45-30-01-020	Howard, F.P. & Nora	Howard, Ray	147/317	24 Jul 46	Tract #3
LV0181	Hagewood, Russell & Nell	Howard, Nora	131/558	7 Oct 44	
	Taylor, Reuben & Emma	Hagewood, Russell & Nells	111/14	2 Feb 39	

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
45-30-02-009	Rainier, Harry H. & Juda	Rainier, Thelma Phyllis (w) Rainier, Harry Alan (Trustee)	333/91	3 Jan 90	Parcel 1&2
LV0187	Rainier, H.B.	Rainier, Harry H	207/338	1 Aug 72	1&2 Affidavit of Descent
LV0188	Harkins, Joseph D. & Billie H	Rainier, H.B. & Phyllis	156/438	11 May 54	Parcel # 1
	Harkins, Joseph D. Sr. & Reed B	Harkins, Joseph D. Jr.	143/238	12 Aug 49	
	Browning, Josephine H & Iley B	Harkins, Becca B	138/550	22 Jul 48	
	Harkins, Joseph D; Harkins Josie D. (w); Harkins, Joseph D. & Beca; Harkins, Mary E. & G.L.; Harkins, Josephine A.; Harkins, Walter S & Marguerite F	Browning, Josephine H	64/271	8 Jul 23	
	Rainier H.B.	Rainier Harry H	207/338	1 Aug 72	Affidavit of Descent
	Browning, Josephine H & Iley B Sr.	Rainier, H.B. & Phyllis	181/338	11 Dec 62	Parcel #2
	Harkins Beca B & Joseph D. SR.	Browning, Josephine H	154/587	30 Sep 53	
	Harkins, Joseph D. Et als	Browning, Josephine H	64/271	8 Jul 23	

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
45-30-04-015	Anderson, Glenn S Sr.	Anderson, John G. & Doris M	345/275	30 Oct 89	
LV0199	Anderson Glenn S. Jr.	Anderson, Glenn S Sr Anderson John G	345/274	30 Oct 89	Affidavit of Descent
	Anderson, Ola M D (deceased)	Anderson, Glenn S. Sr Glenn S. Jr. & John G.	345/273	4 Nov 47	Affidavit of Descent
	Jones, Jack G & Helen D	Anderson Glenn S & Ola M	136/386	4 Nov 47	
	Maynard, Lizzie	Jones, Jack G	WB-B/20	26 Mar 34	

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
045-30-04-016	Allen Warnie D & Deborah A	Skaggs, James P & Judith P Trust	457/302	23 Mar 01	
LV0200	Hazelett, James W	Allen , Warnie D & Deborah A	414/112	3 Dec 97	
	Shepherd, Norman & Gracie	Hazelett, James W & Ruth	203/56	29 May 69	
	Harris S. Howard Special Commissioner, Behalf of Virginia Leslie Hines, Leslie, Rose Mary; Leslie, Nell Ruth; Leslie, Judith Gale	Shepherd, Norman	182/417	13 May 63	
	Shepherd, Denver; Slone Billy; Shepherd Judy Leslie; Slone, Rosemary Leslie	Shepherd Norman	182/40	11 May 63	Quit Claim Deed
	Leslie, David B.	Leslie, Rosemary; Leslie, Nelle Ruth; Leslie, Judith Gale	147/428	8 Mar 50	Quit Claim Deed
	Combs, Bart T & Mabel; Nunnery, Byron & Lucille	Leslie, David B & Virginia	140/592	8 Jan 49	
	Combs Bart T & Mabel H	Nunnery, Byron	138/561	13 Nov 46	
	Mayo, W.P. & Reba	Combs, Bert & Mabel	138/561	13 Nov 46	
	Howard, J.W. & Florence	Mayo, W.P. & Reba	129/354	23 Jan 46	
	Brown, W.H. & Lena	Howard, J.W.	126/321	23 Jun 45	
	Brown, W.H.	Brown, Lena	94/95	16 Aug 32	

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
45-30-04-019	Billy Samuel, and Melissa Nelson	Harris S. Howard Estate (c/o Jane Howard)	288/706	1 November 1984	
Structure No. LV0201	Val Straham	Billy Samuel Nelson	218/343	9 September 1974	
	J. Woodford and Florence Howard	Val Straham	140/244	23 January 1946	
	W.H. and Lena Brown	J.W. Howard	126/321	23 June 1945	
	W.H. Brown	Lena Brown	94/95	16 August 1932	

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
045-20-01-020	Kimberly Price & Mark Preston	Community United Methodist Church	467/167	14 December 2001	Lots, 10, 11, 12, 13, 14 Block 5
	Minerva Cooley	Kimberly Price	406/369	22 May 1997	
	Charles G. and Starr Porter & Sue C. and James M. Hunter	Minerva Cooley	317/217	5 March 1988	
	Sue Crawford (now Sue Hunter)	Charles G. Porter	267/214	1 June 1982	Tract I – Lots 10 & 11
	Lyda & Graham Porter	Charles G. Porter & Sue Crawford	195/377	12 December 1967	Tract II – Lots 12, 13, 14
	Lula M. Epling	Lyda Porter	123/294	18 May 1944	
	Lyda and Graham Porter	Charles G. Porter & Sue Crawford	189/224	3 December 1965	Lots 10 & 11
	Lula Epling	Lyda Porter	123/294	18 May 1944	

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
45-20-01-021	Woodrow Holbrook	Larry E. and Linda H. Howell	462/579	17 August 2001	Lots 7, 8, 9, Block 6
Structure No. LV0082	Minerva H. Cooley	Woodrow Holbrook	WB-U/18	6 December 2000	
LV0083	Charles G. & Starr Porter, Mary Sue Crawford & James Hunter	Minerva H. Cooley	317/217	5 March 1988	Lot 9
	Mary Sue Crawford	Charles G. & Starr Porter	267/214	1 June 1982	
	Lyda & Graham Porter	Mary Sue Crawford & Charles G. Porter	189/224	3 December 1965	
	Lula Epling	Lyda Porter	123/294	18 May 1944	
	William R. Cooley	Minerva F. Cooley	184/624	29 April 1964	Lots 7 & 8
	Lee & Inis Roberts	William R. Cooley	128/560	8 December 1945	
	Hester Roberts	Lee Roberts	108/539	27 January 1938	

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
045-20-01-024	Ethel M. Burke	John W. Burke Sr.	476/552	26 February 2000	
Structure No. LV0086	Z.S. and Bertha Dickerson	Ethel M. Burke	216/69	1 March 1974	
LV0087	Fred Dickerson	Ethel Burke	210/527	19 October 1972	
	Fred & Ethel Dickerson	Z.S. and Bertha Dickerson	138/15	16 April 1948	
	Emma Alice May et al (Emma Alice and R.V. May, Elizabeth Jane and Burl Spurlock, Elizabeth A. Wells-Garriott & W.B. Garrlott)	Fred & Ethel Dickerson	131/130	16 April 1946	
	Elizabeth A. Wells	Emma Alice May et al (Emma Alice and R.V. May, Elizabeth Jane and Burl Spurlock, Elizabeth A. Wells-Garriott & W.B. Garrlott)	64/567	27 October 1923	

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
45-20-01-025	Edna B. & Delmas et al (Edna B. & Delmas Saunders; Hern & Jean Burke, John W. & Helen Burke; Ethel Burke; Minta Burke (widow); Ruby & Clarence Logan; Goldia B. & John Davidson; Herbert Robert & Shirley Burke)	Joe & Leslie Burke (co-trustees)	237/528	16 July 1973	Lots 4, 5, 6 Block 5
Structure No. LV0088	R.A Burke	Edna B. & Delmas et al (Edna B. & Delmas Saunders; Hern & Jean Burke, John W. & Helen Burke; Ethel Burke; Minta Burke (widow); Ruby & Clarence Logan; Goldia B. & John Davidson; Herbert Robert & Shirley Burke)	214/16	26 June 1973	Affadavit of Descent
	J.M. Porter	R.A Burke	71/605	30 October 1926	

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
45-20-01-019	Mary Sue Crawford	Thelma K. and Edward C. Music	367/022	8 June 1993	
Structure No. LV0081	Lyda M. Porter	Mary Sue Crawford	258/327	4 August 1981	Lots 15, 16, 17, 18, Block 6
	Lula M. and Floyd Epling, et al (Tom and Mima G. McGuire; Frank McGuire; Fannie M. and R.L. Spradling)	Lyda M. Porter	123/294	26 February 1944	
045-20-01-030	Kathleen Prater; Darrell R. & Barbara Prater; Edward & Rosetta Prater	Billy Skeen	447/478	26 May 2000	
Structure No. LV0093	Forester Prater	Kathleen Prater; Darrell R. & Barbara Prater; Edward & Rosetta Prater	447/470	23 May 2000	Affidavit of Descent
	Mary M & J.O. Webb	Forester Prater	144/1	15 October 1949	
	Inez R. & Thomas Hereford	Mary M & J.O. Webb	104/551	30 March 1936	

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
45-20-06-026	Highlands Dialysis Facility	Bio-Medical Applications of Kentucky	383/013	30 November 1994	
Structure No. LV0138	Prestonsburg Clinic Associates	Highlands Dialysis Facility	366/364	8 February 1993	
	David White, William Cook, Charles Hieronymus, J.H. Rapier, John Sutherland, Rondall Leslie, Charles Arnett	Prestonsburg Clinic Associates	302/489	30 June 1986	
	Prestonsburg Clinic Inc.	David White, William Cook, Charles Hieronymus, J.H. Rapier, John Sutherland, Rondall Leslie, Charles Arnett	302/486	30 June 1986	
	Richard & Nancy Martin, Susan Elliott	Prestonsburg Clinic Inc.	208/616	5 January 1972	
	Susan P. Elliott (widow)	Richard & Nancy Martin, Susan Elliott	205/434	26 April 1971	
	Cynthia Porter	Susan P. Elliott (widow)	187/354	6 March 1966	Affidavit of Descent
	J. Graham & Lyda M. Porter	Cynthia Porter	186/166	8 September 1964	
	H.H. & Minnie Sheperd	J. Graham & Lyda M. Porter	66/96	5 April 1924	

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
45-30-05-001	Dorothy Burke	Helen Wells	335/99	31 March 1990	
Structure No. LV0203	Peggy S. Ranier	Dorothy Burke	178/594	1 January 1962	
LV0203A	Harry H. Ranier	Peggy S. Ranier	178/308	6 November 1961	
	Glenn C. & Dora W. Spradling	Harry H. Ranier	169/385	9 August 1958	
	John & Alice R. Allen	Glenn C. & Dora W. Spradling	157/430	22 September 1954	
	Chalmer H. & Kathryn S. Frazier	John & Alice R. Allen	157/430	17 September 1954	
	Robert & Maxine Jesse	Chalmer H. & Kathryn S. Frazier	147/415	24 April 1951	
	Fred G. & Marjorie H. Francis; Robert D. & Jean E. Francis	Robert & Maxine Jesse	143/293	1 March 1949	
	Russel & Geneva C. Harman	Fred G. & Marjorie H. Francis; Robert D. & Jean E. Francis	130/95	20 March 1946	
	Angeline L. Archer; E.R. & Grace L. Burke; Frank H. & Mary Lou Layne	Russel & Geneva C. Harman	129/438	21 January 1946	
	Grace L. & E.R. Burke; Frank H. & Mary Lou Layne	Angeline L. Archer; E.R. & Grace L. Burke; Frank H. & Mary Lou Layne	102/355	30 July 1934	Division of Real Estate of F.A. Hopkins

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
45-30-05-002	Dixie A. Neeley & Fred Webb	Carlos E. & Betty W. Roberts	191/178	10 August 1966	
Structure No. LV0204	Homer Neeley	Dixie Neeley	180/294	20 August 1962	Divorce Settlement
LV0204A	Wesley & Hazel Campbell	Homer Neeley	175/91	22 August 1960	
	Dora & Glen C. Spradlin	Wesley & Hazel Campbell	158/428	2 February 1955	
	H.C. & Malissa Francis; Frank H. & Mary Lou Layne	Dora & Glen C. Spradlin	109/478	14 June 1938	

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
45-20-06-003	Highland Plaza Associates (Edward & Thelma Music; Richard E. & Nanacy Martin)	Eastern Kentucky Development Associates	354/335	10 February 1992	
Structure No. LV0126	Susan P. Elliott (widow)	Richard E. Martin	205/434	26 April 1971	
	Susan P. Elliott (widow)	Richard & Nancy Martin, Susan Elliott	205/434	26 April 1971	
	Cynthia Porter	Susan P. Elliott (widow)	187/354	6 March 1966	Affidavit of Descent
	J. Graham & Lyda M. Porter	Cynthia Porter	186/166	8 September 1964	
	H.H. & Minnie Sheperd	J. Graham & Lyda M. Porter	66/96	5 April 1924	

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
45-20-06-004	David White, William Cook, Charles Hieronymus, J.H. Rapier, John W. Sutherland, Randall Leslie, Charles F. Arnett	Prestonsburg Clinic Associates c/o Steve Pack (Teresa Leslie, Charles F. Arnett, Kieth Leslie, Randall Leslie, William Cook, S.G. Badrudduia, Peter Jakobson, Kamar Ikramuddin, Syed Ikramuddin, Narong Chalothorn, Charles Hieronymus	302/489	30 June 1986	
Structure No. LV0127	Prestonsburg Clinic Inc.	David White, William Cook, Charles Hieronymus, J.H. Rapier, John Sutherland, Randall Leslie, Charles Arnett	302/486	30 June 1986	
	Richard & Nancy Martin, Susan Elliott	Prestonsburg Clinic Inc.	208/616	5 January 1972	
	Susan P. Elliott (widow)	Richard & Nancy Martin, Susan Elliott	205/434	26 April 1971	
	Cynthia Porter	Susan P. Elliott (widow)	187/354	6 March 1966	Affidavit of Descent
	J. Graham & Lyda M. Porter	Cynthia Porter	186/166	8 September 1964	
	H.H. & Minnie Sheperd	J. Graham & Lyda M. Porter	66/96	5 April 1924	

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
45-20-03-001	William W. Hall	Geraldine Hall	234/440	8 June 1978	
	Lloyd & Vera Edwards	William W. & Geraldine Hall	203/465	29 October 1970	Parcel I
	Edward C. & Thelma K. Music	Lloyd & Vera Edwards	196/232	16 March 1968	
	Mary M. & J.O. Webb	Edward C. & Thelma K. Music	195/320	8 September 1967	
	Inez M. & Thomas Hereford	Mary M. & J.O. Webb	104/551	30 March 1936	
	Degarma & Ruth J. DeRossett	William W. & Geraldine Hall	203/464	29 October 1970	Lots 7 & 8, Block 3
	Letha L. Joy	Degarma & Ruth J. DeRossett	201/91	29 November 1969	
	Taylor & Alta B. Price	Letha L. Joy	177/166	4 May 1961	
	Printess L. & Christine Ball	Taylor & Alta B. Price	151/161	17 June 1952	
	Scott T. & Helen Craft	Printess L. & Christine Ball	148/263	21 July 1951	

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
45-20-03-001 (continued)	Mary M. & J.O. Webb	Scott T. & Helen Craft	147/378	15 October 1949	
	Inez M. & Thomas Hereford	Mary M. & J.O. Webb	104/551	30 March 1936	
45-20-03-002	Pauline Crisp	James K. & Virginia A. Spears	491/245	26 September 2003	
	Charles & Martha Johnson	Pauline Crisp	316/238	11 December 1988	
	Frank & Linda Sue DeRossett	Charles & Martha Johnson	197/153	5 June 1968	
	Charles D. & Irene Meadows	Frank & Linda Sue DeRossett	190/233	9 April 1966	
	Joe W. & Jewell Tussey	Charles D. & Irene Meadows	158/467	7 February 1955	
	Scott T. & Helen E. Craft	Joe W. & Jewell Tussey	152/70	4 October 1952	
	Mary M. & J.O. Webb	Scott T. & Helen E. Craft	147/378	15 October 1949	
	Inez May & Thomas Hereford	Mary M. & J.O. Webb	104/551	30 March 1936	

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
45-20-03-003	Douglas L. Brown	Mable Brown	334/143	5 January 1990	
	Kenneth D. & Jeanne Brown	Douglas L. Brown	334/151	30 May 1976	Lots 3 & 4, Block 3, Tract 1
	C.R. Hatton	Kenneth D. & Jeanne Brown	199/421	4 August 1969	
	Gloria F. Hatton	C.R. Hatton	198/507	26 March 1969	
	Frank & Louise DeRossett	C.F. & Gloria F. Hatton	187/578	13 May 1965	
	Scott T. & Helen Craft	Frank & Louise DeRossett	148/332	3 August 1951	
	Mary M. & J.O. Webb	Scott T. & Helen Craft	147/378	15 October 1949	
	Inez & Thomas Hereford	Mary M. & J.O. Webb	104/551	30 March 1936	
	Pearl Crum (widow)	Lloyd & Mable Brown	223/577	29 December 1975	Tract 2, Lots 120-121, Block 4
	Charlie Crum (deceased)	Pearl Crum	WB-C/192	17 November 1972	

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
45-20-03-003 (continued)	Everett & Hallie Hagar	Pearl & Charlie Crum	187/15	26 January 1965	
	Dariyn D. & Opal Mae Samons	Everett & Hallie Hagar	163/515	31 August 1956	
	D.K. & Anna Mae Harris	Dariyn D. & Opal Mae Samons	129/570	1 March 1946	
	Home Owners Land & Mortgage Co Inc.	D.K. & Anna Mae Harris	129/569	3 May 1945	
	Lida Cottrell (widow), Mary M. J.O. Webb, Inez R. & Thomas Hereford	Home Owners Land & Mortgage Co Inc.	125/630	26 March 1945	
	Isaac Richmond	Lida Cottrell (widow), Mary M. J.O. Webb, Inez R. & Thomas Hereford	WB-A/237	2 June 1921	
	John E. & Ellen Arnett	Douglas L. & Mable Brown	151/520	9 August 1952	Lots 1 & 2, Block 4, Tract 3
	Mary M. & J.O. Webb	John E. & Ellen Arnett	144/389	15 October 1949	
	Inez & Thomas Hereford	Mary M. & J.O. Webb	104/551	30 March 1936	

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
45-20-03-006	Edward C. Music	Peggy Music Carter	341/570	26 October 1990	
	Jonah & Lura Hall	Edward C. Music & Peggy M. Carter	269/268	27 August 1982	
	Mary M. & J.O. Webb	Lura Hall	163/396	15 October 1949	
	Inez & Thomas Hereford	Mary M. & J.O. Webb	104/551	30 March 1936	
045-20-03-007	Edward C. Music	Thelma K. Music	342/272	13 November 1990	
Structure No. LV0121	Ruby Music (now Lamplung)	Edward C. Music	341/573	26 October 1990	Tract I & II
LV2005	Can & Lula Little, R.L. & Nancy Holbrook	Edward C. & Ruby Music	146/364	18 November 1990	Lots 2, 3, 4, 5, 6, Block 1, Tract I
	Mary M. & J.O. Webb	Can Little & R.L. Holbrook	146/284	15 October 1949	
	Inez & Thomas Hereford	Mary M. & J.O. Webb	104/551	30 March 1936	
	Mary M. & J.O. Webb	Edward C. & Ruby Music	147/457	28 April 1951	Lots 7, 8, 9, 10m Block 1, Tract II
	Inez & Thomas Hereford	Mary M. & J.O. Webb	104/551	30 March 1936	

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
45-30-01-002	Sally Ann Goebel	Deborah Kay Goebel	343/653	8 January 1991	
Structure No. LV0163	Sally K. Goebel	Sally A. Goebel & Deborah K. Goebel	WB-H/232	16 October 1987	
	Russell & Geneva Harmon	William O. & Sally K. Goebel	137/472	11 March 1948	
	Angeline L Archer, E.R. & Grace L. Burke, Frank H. & Mary Lou Layne	Russell Harmon	129/438	21 January 1946	
	Grace L. & E.R. Burke, Frank H. & Mary Lou Layne	Angeline Layne Archer	102/355	30 July 1934	Division of Real Estate of F.A. Hopkins
45-30-02-004	BelleSturgill	Donn Chickering	292/268	16 May 1985	
Structure No. LV0182	Delmon Sturgill	BelleSturgill	17/191	2 February 1961	
	Lena Brown (widow) & Ernestine & James Hartley	Delmon & James Sturgill	170/199	27 October 1958	
	Dave Branham	W.H. & Lena Brown	118/111	28 January 1942	

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
45-30-02-004 (continued)	James T. & Mary P. Justice	A. Delman & Belle Sturgill	174/11	5 April 1960	
Structure No. LV0182	Lena Brown (widow) & Ernestine & James Hartley	James T. & Mary P. Justice	170/199	27 October 1958	
	Dave Branham	W.H. & Lena Brown	118/111	28 January 1942	
45-30-02-005	George P. Archer Estate	Martha Archer Damron	251/289	21 October 1980	
Structure No. LV0183	George P. Archer (dec.)	George P. Archer Estate	214/174	31 July 1973	Affidavit of Descent
LV0184	Zella Archer	George P. Archer	200/580	21 May 1970	Sheriff's Deed
	Marguerite F. Harkins (widow), Monte S. Harkins, William F. Harkins, George Archer Harkins, Donald D. Harkins	John G. & Zella Archer	141/155	18 February 1949	Interpreters Deed
	Marguerite F. Harkins (widow), Monte S. Harkins, William F. Harkins, George Archer Harkins, Donald D. Harkins	John G. Archer	131/501	24 April 1946	
	Walter S. & Josie D. Harkins	Walter S. Harkins Jr.	29/591	24 December 1913	

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
45-30-02-005 (continued)	Floyd Federal Savings and Loan Assoc.	George P. Archer	182/219	10 April 1963	
Structure No. LV0183	J.B. Clarke Mater Commissioner	Floyd Federal Savings and Loan Assoc.	182/217	9 April 1963	
LV0184	Josie D. & Walter S. Harkins	Walter S. Harkins Jr.	64/271	9 July 1923	
45-30-01-007	Clarence & Carolyn Traum	David & Margo Barber	464/289	28 September 2001	
Structure No. LV0169	Barbara S. Rice (Executrix for Bureita Spradlin's Estate)	Clarence & Carolyn Traum	436/104	7 July 1999	
LV0170	Glen & Dova Spradlin & E.P. & Victoria Arnold	Lenna & Bureita Spradlin	161/265	28 March 1946	
	Dimick, T.E. & Josephine	Glen & Dova Spradlin & E.P. & Victoria Arnold	129/605	9 March 1946	
	Josephine D. Dimick	John C. Hopkins	98/143	1 June 1933	

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
45-30-01-008	Clarence & Carolyn Traum	David & Margo Barber	464/289	28 September 2001	
	Barbara S. Rice (Executrix for Bureita Spradlin's Estate)	Clarence & Carolyn Traum	436/104	7 July 1999	
	Glen & Dova Spradlin & E.P. & Victoria Arnold	Lenna & Bureita Spradlin	161/265	28 March 1946	
	Dimick, T.E. & Josephine	Glen & Dova Spradlin & E.P. & Victoria Arnold	129/605	9 March 1946	
	Josephine D. Dimick	John C. Hopkins	98/143	1 June 1933	
45-20-01-001	William B. & Janece W. Cook	Mark E. & Connie Miller	373/155	17 December 1993	
Structure No. LV0058	Russell & Nell Hagewood	William B. & Janece W. Cook	205/338	18 February 1971	
	Bert T. & Mabel Combs	Russell & Nell Hagewood	195/293	13 November 1967	
	Marvin & Florence Music	Bert T. & Mabel Combs	173/238	1 January 1960	
	Fred & Josephine Miller	Marvin & Florence Music	173/184	17 December 1959	

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
45-20-01-001 (continued)	Henry Stephens Jr.	Fred & Josephine Miller	138/276	19 June 1948	
Structure No. LV0058	Julia B. Stephens	Henry Stephens Jr.	138/35	24 April 1948	Undivided ½ former wife to husband
	Bascom & Annie R. May	Henry Stephens Jr.	77/9	29 November 1927	Parcel 1
	Cynthia M & J.M. Porter	Henry Stephens Jr.	77/7	29 November 1927	Parcel 2
	Florence & J.W. Howard	Bert T. & Mabel Combs	143/200	5 August 1949	Lot 34
	Clarence & Nealous Collinsworth	Howard J. Woodford	142/144	14 March 1949	
	Henry Stephens Jr.	Clarence & Nealous Collinsworth	140/376	9 September 1948	
	Bascom & Annie R. May	Henry Stephens Jr.	77/9	29 November 1927	
	Cynthia M & J.M. Porter	Henry Stephens Jr.	77/9	29 November 1927	
	J.W. & Florence Howard	Bert T. & Mabel Combs	143/201	15 July 1949	Lot 35

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
45-20-01-001 (continued)	Henry Stephens Jr.	Worth Music	138/281	19 June 1949	
Structure No. LV0058	Julia B. Stephens	Henry Stephens	138/35	24 April 1948	
	Bascom & Annie R. May	Henry Stephens Jr.	77/9	29 November 1927	
	Cynthia M & J.M. Porter	Henry Stephens Jr.	77/9	29 November 1927	
45-20-01-003	Barkley & Ellen F. Sturgill, Jr.	Randall B. & Anita C. Chaffin	459/267	18 May 2001	
Structure No. LV0061	Barkley J. & Nancy R. Sturgill	Barkley & Ellen F. Sturgill, Jr.	390/575	19 October 1995	
	William B & Eloise Sturgill, Winifred S. & Forest M. Skaggs, Tom G. Dingus, Elizabeth G. Roberts, James B. & Sharon Dingus, Gwen C. Dingus	Barkley J. Sturgill	387/292	27 December 1994	Lots 1, 2, 3, 4, 5, 17, 18, 19, 20
	William B. & Eloise W. Sturgill	Troy B. & Dorothy M. Sturgill	162/638	21 June 1956	Lots 1 & 2
	H.T. & Fanny Hill	William B. Sturgill	143/51	1 June 1949	

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
45-20-01-003 (continued)	Henry Stephens Jr.	H.T. Hill	138/283	19 June 1948	
Structure No. LV0061	Julia B. Stephens	Henry Stephens Jr.	138/35	24 April 1948	
	Bascom & Annie R. May	Henry Stephens Jr.	77/9	29 November 1927	
	Cynthia M. & J.M. Porter	Henry Stephens Jr.	77/7	29 November 1927	
	Henry Stephens Jr.	Troy B. & Dorothy M. Sturgill	140/165	6 June 1948	
	Julia B. Stephens	Henry Stephens Jr.	138/35	24 April 1948	
	Bascom & Annie R. May	Henry Stephens Jr.	77/9	29 November 1927	
	Cynthia M. & J.M. Porter	Henry Stephens Jr.	77/7	29 November 1927	

Tract Number	Grantor	Grantee	Deed Book/Page Number	Transaction Date	Notes
45-20-01-022	O.J. & Lena Spurlock	Community Methodist Church	172/258	19 August 1958	1, 2, 3, 4, 5, 6, Block 6
Structure No. LV0084	O.J. & Lena Spurlock	Porter Addition Methodist Community Church	159/189	4 April 1955	Western Portion Lots 5 & 6, Block 6
LV0085	O.J. & Lena Spurlock	Porter Addition Methodist Community Church	159/187	24 April 1953	Eastern Portion Lots 5 & 6, Block 6
	George P. & Emma J. Archer	O.J. & Lena Spurlock	149/24	22 March 1948	
	J.M. & Cynthia M. Porter	George P. & Emma J. Archer	64/566	27 October 1923	

APPENDIX C
RECORDS OF FEDERAL AND
STATE REGULATORY AGENCIES



EDR™ Environmental
Data Resources Inc

The EDR Radius Map with GeoCheck®

**Broadbottom
Bert Combs Drive
PRESTONSBURG, KY 41653**

Inquiry Number: 1241553.2s

August 02, 2004

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06460

Nationwide Customer Service

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

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

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EXECUTIVE SUMMARY

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

TARGET PROPERTY INFORMATION

ADDRESS

BERT COMBS DRIVE
PRESTONSBURG, KY 41653

COORDINATES

Latitude (North): 37.686000 - 37° 41' 9.6"
Longitude (West): 82.779100 - 82° 46' 44.8"
Universal Transverse Mercator: Zone 17
UTM X (Meters): 343125.8
UTM Y (Meters): 4172261.2
Elevation: 636 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property: 37082-F7 PRESTONSBURG, KY
Source: USGS 7.5 min quad index

TARGET PROPERTY SEARCH RESULTS

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

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the ASTM E 1527-00 search radius around the target property for the following databases:

FEDERAL ASTM STANDARD

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

STATE ASTM STANDARD

SWF/LF..... Solid Waste Facilities List

EXECUTIVE SUMMARY

VCP..... Voluntary Cleanup Program Sites

FEDERAL ASTM SUPPLEMENTAL

CONSENT..... Superfund (CERCLA) Consent Decrees
ROD..... Records Of Decision
Delisted NPL..... National Priority List Deletions
FINDS..... Facility Index System/Facility Identification Initiative Program Summary Report
HMIRS..... Hazardous Materials Information Reporting System
MLTS..... Material Licensing Tracking System
NPL Liens..... Federal Superfund Liens
PADS..... PCB Activity Database System
US BROWNFIELDS..... A Listing of Brownfields Sites
DOD..... Department of Defense Sites
INDIAN RESERV..... Indian Reservations
UMTRA..... Uranium Mill Tailings Sites
FUDS..... Formerly Used Defense Sites
RAATS..... RCRA Administrative Action Tracking System
TRIS..... Toxic Chemical Release Inventory System
TSCA..... Toxic Substances Control Act
SSTS..... Section 7 Tracking Systems
FTTS INSP..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

STATE OR LOCAL ASTM SUPPLEMENTAL

SB193..... SB193 Branch Site Inventory List

BROWNFIELDS DATABASES

US BROWNFIELDS..... A Listing of Brownfields Sites
VCP..... Voluntary Cleanup Program Sites
INST CONTROL..... State Superfund Database

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.

FEDERAL ASTM STANDARD

EXECUTIVE SUMMARY

RCRIS: Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). 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 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.

A review of the RCRIS-TSD list, as provided by EDR, and dated 06/15/2004 has revealed that there is 1 RCRIS-TSD 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>
MOUNTAIN METAL COMPANY	BALDWIN & RAILROAD AVEN	1/2 - 1 SSW	9	15

RCRIS: Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). 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 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.

A review of the RCRIS-SQG list, as provided by EDR, and dated 06/15/2004 has revealed that there is 1 RCRIS-SQG site within approximately 0.75 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
PRESTONSBURG HIGH SCHOOL	HIGHWAY US 23, N. ARNOL	1/2 - 1 S	6	14

STATE ASTM STANDARD

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, has revealed that there is 1 SHWS site within approximately 1.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
MEASURING STATION 804732		1 - 2 SW	10	16

EXECUTIVE SUMMARY

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 04/20/2004 has revealed that there are 6 UST sites within approximately 0.75 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
MARVIN E MUSIC JR	5 MUSIC ST	1/2 - 1 S	8	14

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
PRESTONSBURG COMMUNITY COLLEGE	HC 69	0 - 1/8 N	A1	6
VITOS BAR & GRILL	HC 69	0 - 1/8 NNE	A2	6
PLAZA 76	721 UNIVERSITY DR	1/8 - 1/4 SSW	3	8
ACTION EXPRESS MART #12	526 UNIVERSITY DR	1/4 - 1/2 SSW	4	10
JOHNSON HILL ENGINEERING	253 UNIVERSITY DR	1/4 - 1/2 S	5	13

FEDERAL ASTM SUPPLEMENTAL

Mines: Mines Master Index File. The source of this database is the Dept. of Labor, Mine Safety and Health Administration.

A review of the MINES list, as provided by EDR, and dated 03/05/2004 has revealed that there is 1 MINES site within approximately 0.75 miles of the target property.

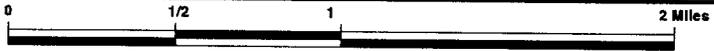
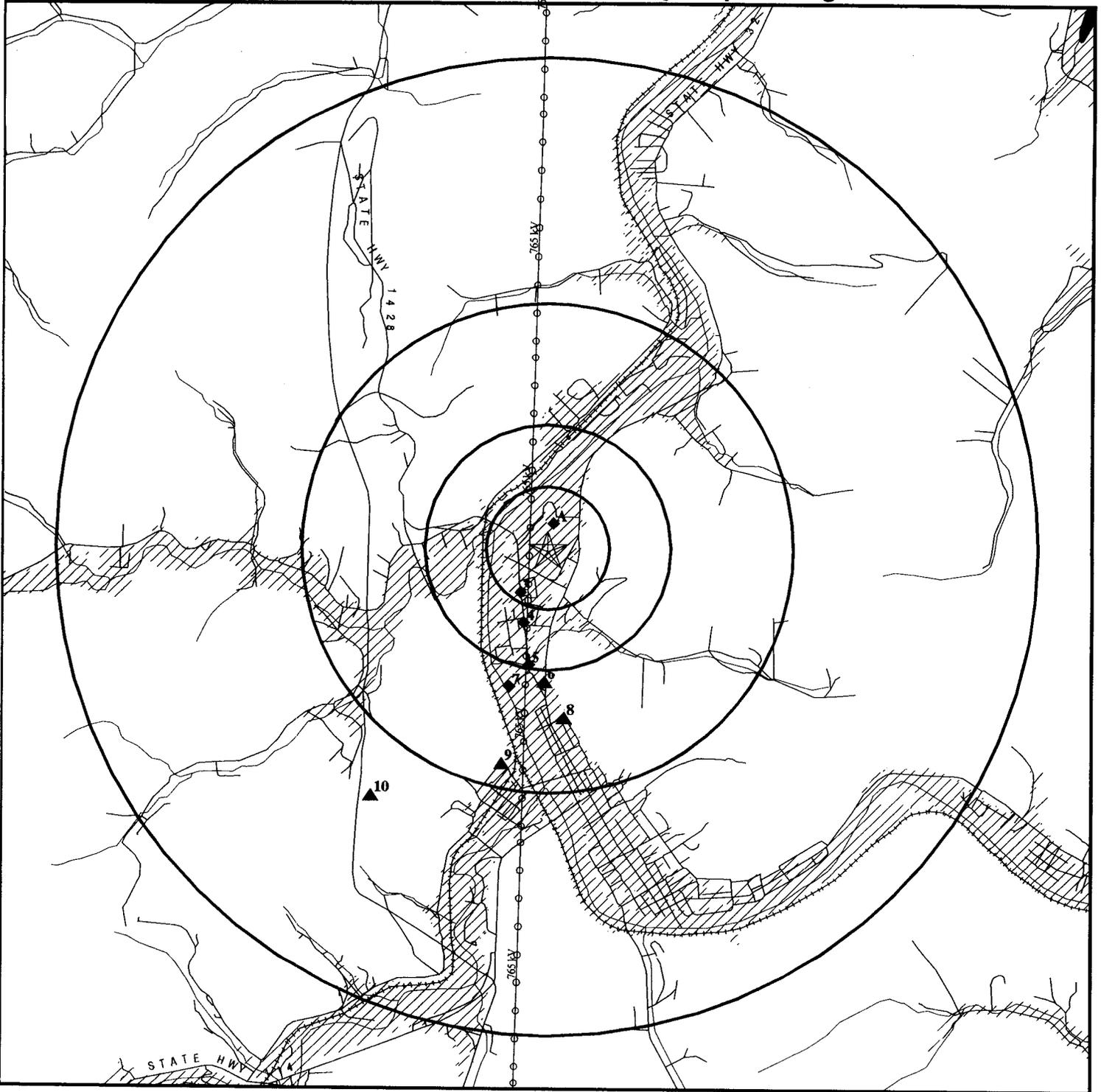
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
C J MCNALLY CO. INC		1/2 - 1 SSW	7	14

EXECUTIVE SUMMARY

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

<u>Site Name</u>	<u>Database(s)</u>
POOR BOYS	UST, SB193
HYDEN BP	SB193
EAST KY PIPE	SB193
PORTERS BAIT SHOP	UST, SB193
PRESTONSBURG RECYCLING CENTER	SWF/LF
SHEPS TRUCK STOP (CLOSED)	UST
LINE FORK COMPRESSOR STATION	UST
PETROLEUM LOCATION SS RO	UST
VANDERPOOLS MONROE STORE	UST
ADTEC INC	RCRIS-SQG, FINDS, UST
CRIDERS GROCERY	UST
PRESTONBURG SOC-52642	UST
FAMILY MARKET	UST
MEADE'S STOP-N-GO INC	UST
LANCER AREA OFFICE	UST
D & E MARKET (GAS & GO INC)	UST
COLUMBIA GAS TRANSMISSION CORP.- LANCER	RCRIS-SQG, FINDS
SCHNEIDER NATIONAL BULK CARRIERS INC	RCRIS-SQG, FINDS
BRANDY KEG BAIT AND TACKLE SHOP	RCRIS-SQG, FINDS
EAST KENTUCKY TIRE	RCRIS-SQG, FINDS
SUPERAMERICA RE185	RCRIS-SQG, FINDS
TOMMYS GULF	RCRIS-SQG, FINDS
WILLIAMS PROPERTY	RCRIS-SQG, FINDS
HIGHLANDS REGIONAL MEDICAL CENTER	RCRIS-SQG, FINDS
POOR BOYS	RCRIS-SQG, FINDS

OVERVIEW MAP - 1241553.2s U.S. Army Corps of Engineers



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

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



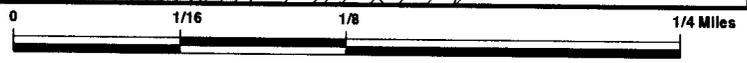
TARGET PROPERTY: ADDRESS: CITY/STATE/ZIP: LAT/LONG:	Broadbottom Bert Combs Drive PRESTONSBURG KY 41653 37.6860 / 82.7791	CUSTOMER: CONTACT: INQUIRY #: DATE:	U.S. Army Corps of Engineers Daniel F. Stark 1241553.2s August 02, 2004 1:09 pm
--	---	--	--

DETAIL MAP - 1241553.2s - U.S. Army Corps of Engineers



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

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



TARGET PROPERTY: Broadbottom
ADDRESS: Bert Combs Drive
CITY/STATE/ZIP: PRESTONSBURG KY 41653
LAT/LONG: 37.6860 / 82.7791

CUSTOMER: U.S. Army Corps of Engineers
CONTACT: Daniel F. Stark
INQUIRY #: 1241553.2s
DATE: August 02, 2004 1:09 pm

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>
<u>FEDERAL ASTM STANDARD</u>								
NPL		1.500	0	0	0	0	0	0
Proposed NPL		1.500	0	0	0	0	0	0
CERCLIS		1.000	0	0	0	0	NR	0
CERC-NFRAP		0.750	0	0	0	0	NR	0
CORRACTS		1.500	0	0	0	0	0	0
RCRIS-TSD		1.000	0	0	0	1	NR	1
RCRIS Lg. Quan. Gen.		0.750	0	0	0	0	NR	0
RCRIS Sm. Quan. Gen.		0.750	0	0	0	1	NR	1
ERNS		0.500	0	0	0	NR	NR	0
<u>STATE ASTM STANDARD</u>								
State Haz. Waste		1.500	0	0	0	0	1	1
State Landfill		1.000	0	0	0	0	NR	0
UST		0.750	2	1	2	1	NR	6
VCP		1.000	0	0	0	0	NR	0
<u>FEDERAL ASTM SUPPLEMENTAL</u>								
CONSENT		1.500	0	0	0	0	0	0
ROD		1.500	0	0	0	0	0	0
Delisted NPL		1.500	0	0	0	0	0	0
FINDS		0.500	0	0	0	NR	NR	0
HMIRS		0.500	0	0	0	NR	NR	0
MLTS		0.500	0	0	0	NR	NR	0
MINES		0.750	0	0	0	1	NR	1
NPL Liens		0.500	0	0	0	NR	NR	0
PADS		0.500	0	0	0	NR	NR	0
US BROWNFIELDS		1.000	0	0	0	0	NR	0
DOD		1.500	0	0	0	0	0	0
INDIAN RESERV		1.500	0	0	0	0	0	0
UMTRA		1.000	0	0	0	0	NR	0
FUDS		1.500	0	0	0	0	0	0
RAATS		0.500	0	0	0	NR	NR	0
TRIS		0.500	0	0	0	NR	NR	0
TSCA		0.500	0	0	0	NR	NR	0
SSTS		0.500	0	0	0	NR	NR	0
FTTS		0.500	0	0	0	NR	NR	0
<u>STATE OR LOCAL ASTM SUPPLEMENTAL</u>								
SB193		1.000	0	0	0	0	NR	0
<u>EDR PROPRIETARY HISTORICAL DATABASES</u>								
Coal Gas		N/A	N/A	N/A	N/A	N/A	N/A	N/A

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>
<u>BROWNFIELDS DATABASES</u>								
US BROWNFIELDS		1.000	0	0	0	0	NR	0
VCP		1.000	0	0	0	0	NR	0
INST CONTROL		0.750	0	0	0	0	NR	0

NOTES:

AQUIFLOW - see EDR Physical Setting Source Addendum

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

VITOS BAR & GRILL (Continued)

U003555472

Tank Status: Tank not Verified
Owner: Not reported
Owner Address: AUXIER, KY
Substance: Gasoline
Capacity in Gallons: 2000
Tank Material: Single Wall Steel
Tank External Protection: None
Tank Internal Protection: Unknown
Tank Overfill Protection: Unknown
Pipe Material: Unknown
Pipe External Protection: Unknown
Pipe Release Detection: Unknown
Pipe Type: Unknown
Pipe Secondary Containment: Not reported
Company Name: PETE & RUTH WEBB
Installation Date: 01/01/1982
Relined Date: Not reported
Last Contained Date: Not reported
Removed Date: / /
Closed in Place Date: Not reported
Temp Closed Date: Not reported
Change in Service Date: Not reported
Inert Material Code: Not reported
Street Address: C/O MOUNTAINEER LOUNGE
Site PO Address: Not reported
Postal Code: 41602
Latitude: 37.6421
Degrees: 37
Minutes: 38
Seconds: 31.56
Longitude: -82.7924
Degrees: 82
Minutes: 47
Seconds: 32.64

Facility ID: 82036
Tank ID: 2
Facility Phone: Not reported
Associate Phone: Not reported
Tank Status: Tank not Verified
Owner: Not reported
Owner Address: AUXIER, KY
Substance: Gasoline
Capacity in Gallons: 2000
Tank Material: Single Wall Steel
Tank External Protection: None
Tank Internal Protection: Unknown
Tank Overfill Protection: Unknown
Pipe Material: Unknown
Pipe External Protection: Unknown
Pipe Release Detection: Unknown
Pipe Type: Unknown
Pipe Secondary Containment: Not reported
Company Name: PETE & RUTH WEBB
Installation Date: 01/01/1982
Relined Date: Not reported
Last Contained Date: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

VITOS BAR & GRILL (Continued)

U003555472

Removed Date: / /
Closed in Place Date: Not reported
Temp Closed Date: Not reported
Change in Service Date: Not reported
Inert Material Code: Not reported
Street Address: C/O MOUNTAINEER LOUNGE
Site PO Address: Not reported
Postal Code: 41602
Latitude: 37.6421
Degrees: 37
Minutes: 38
Seconds: 31.56
Longitude: -82.7924
Degrees: 82
Minutes: 47
Seconds: 32.64

3
SSW
1/8-1/4
1111 ft.

PLAZA 76
721 UNIVERSITY DR
PRESTONSBURG, KY 41653

UST U000199606
N/A

Relative:
Lower

UST:

Actual:
625 ft.

Facility ID: 4090036
Tank ID: 1
Facility Phone: 606-886-2368
Associate Phone: 606-886-2368
Tank Status: Verified Removal
Owner: Not reported
Owner Address: PRESTONSBURG, KY
Substance: Gasoline
Capacity in Gallons: 6000
Tank Material: Single Wall Steel
Tank External Protection: Daily Inventory RCRDS / Tank Tightness
Tank Internal Protection: Unknown
Tank Overfill Protection: Flow Restrictor
Pipe Material: Single Wall Steel
Pipe External Protection: Unknown
Pipe Release Detection: None
Pipe Type: Pressurized
Pipe Secondary Containment: Not reported
Company Name: ACTION PETROLEUM CO LTD
Installation Date: 01/01/1984
Relined Date: Not reported
Last Contained Date: Not reported
Removed Date: 03/12/1998
Closed in Place Date: Not reported
Temp Closed Date: Not reported
Change in Service Date: Not reported
Inert Material Code: Not reported
Street Address: Not reported
Site PO Address: PO BOX 609
Postal Code: 41653
Latitude: Not reported
Degrees: Not reported
Minutes: Not reported
Seconds: Not reported
Longitude: Not reported
Degrees: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

PLAZA 76 (Continued)

U000199606

Minutes: Not reported
Seconds: Not reported

Facility ID: 4090036
Tank ID: 2
Facility Phone: 606-886-2368
Associate Phone: 606-886-2368
Tank Status: Verified Removal
Owner: Not reported
Owner Address: PRESTONSBURG, KY
Substance: Gasoline
Capacity in Gallons: 6000
Tank Material: Single Wall Steel
Tank External Protection: Daily Inventory RCRDS / Tank Tightness
Tank Internal Protection: Unknown
Tank Overfill Protection: Flow Restrictor
Pipe Material: Single Wall Steel
Pipe External Protection: Unknown
Pipe Release Detection: Annual Line Tightness Testing
Pipe Type: Suction
Pipe Secondary Containment: Not reported
Company Name: ACTION PETROLEUM CO LTD
Installation Date: 01/01/1984
Relined Date: Not reported
Last Contained Date: Not reported
Removed Date: 03/12/1998
Closed in Place Date: Not reported
Temp Closed Date: Not reported
Change in Service Date: Not reported
Inert Material Code: Not reported
Street Address: Not reported
Site PO Address: PO BOX 609
Postal Code: 41653
Latitude: Not reported
Degrees: Not reported
Minutes: Not reported
Seconds: Not reported
Longitude: Not reported
Degrees: Not reported
Minutes: Not reported
Seconds: Not reported

Facility ID: 4090036
Tank ID: 3
Facility Phone: 606-886-2368
Associate Phone: 606-886-2368
Tank Status: Verified Removal
Owner: Not reported
Owner Address: PRESTONSBURG, KY
Substance: Gasoline
Capacity in Gallons: 6000
Tank Material: Single Wall Steel
Tank External Protection: Daily Inventory RCRDS / Tank Tightness
Tank Internal Protection: Unknown
Tank Overfill Protection: Flow Restrictor
Pipe Material: Single Wall Steel
Pipe External Protection: Unknown

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

PLAZA 76 (Continued)

U000199606

Pipe Release Detection: None
 Pipe Type: Pressurized
 Pipe Secondary Containment: Not reported
 Company Name: ACTION PETROLEUM CO LTD
 Installation Date: 01/01/1984
 Relined Date: Not reported
 Last Contained Date: Not reported
 Removed Date: 03/12/1998
 Closed in Place Date: Not reported
 Temp Closed Date: Not reported
 Change in Service Date: Not reported
 Inert Material Code: Not reported
 Street Address: Not reported
 Site PO Address: PO BOX 609
 Postal Code: 41653
 Latitude: Not reported
 Degrees: Not reported
 Minutes: Not reported
 Seconds: Not reported
 Longitude: Not reported
 Degrees: Not reported
 Minutes: Not reported
 Seconds: Not reported

4
SSW
1/4-1/2
1678 ft.

ACTION EXPRESS MART #12
526 UNIVERSITY DR
PRESTONSBURG, KY 41653

UST U003415130
N/A

Relative:
Lower

UST:

Facility ID: 10000166
 Tank ID: 1
 Facility Phone: 606-889-0027
 Associate Phone: 606-886-2368
 Tank Status: Active
 Owner: Not reported
 Owner Address: PRESTONSBURG, KY
 Substance: Gasoline
 Capacity in Gallons: 12000
 Tank Material: Steel Interior / Fiberglass Lined
 Tank External Protection: Automatic Tank Gauging
 Tank Internal Protection: Interior Lining N/A
 Tank Overfill Protection: Automatic Shutoff Device
 Pipe Material: Flexible Wall
 Pipe External Protection: Flexible Wall
 Pipe Release Detection: Electronic Leak Detection
 Pipe Type: Pressurized
 Pipe Secondary Containment: Not reported
 Company Name: ACTION PETROLEUM CO LTD
 Installation Date: 12/28/1998
 Relined Date: Not reported
 Last Contained Date: Not reported
 Removed Date: / /
 Closed in Place Date: Not reported
 Temp Closed Date: Not reported
 Change in Service Date: Not reported
 Inert Material Code: Not reported
 Street Address: Not reported
 Site PO Address: PO BOX 609

Actual:
614 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

ACTION EXPRESS MART #12 (Continued)

U003415130

Postal Code: 41653
Latitude: 37.684889
Degrees: 37
Minutes: 41
Seconds: 5.6
Longitude: -82.780833
Degrees: 82
Minutes: 46
Seconds: 51

Facility ID: 10000166
Tank ID: 2
Facility Phone: 606-889-0027
Associate Phone: 606-886-2368
Tank Status: Active
Owner: Not reported
Owner Address: PRESTONSBURG, KY
Substance: Gasoline
Capacity in Gallons: 8000
Tank Material: Steel Interior / Fiberglass Lined
Tank External Protection: Automatic Tank Gauging
Tank Internal Protection: Interior Lining N/A
Tank Overfill Protection: Automatic Shutoff Device
Pipe Material: Flexible Wall
Pipe External Protection: Flexible Wall
Pipe Release Detection: Electronic Leak Detection
Pipe Type: Pressurized
Pipe Secondary Containment: Not reported
Company Name: ACTION PETROLEUM CO LTD
Installation Date: 12/28/1998
Relined Date: Not reported
Last Contained Date: Not reported
Removed Date: / /
Closed in Place Date: Not reported
Temp Closed Date: Not reported
Change in Service Date: Not reported
Inert Material Code: Not reported
Street Address: Not reported
Site PO Address: PO BOX 609
Postal Code: 41653
Latitude: 37.684889
Degrees: 37
Minutes: 41
Seconds: 5.6
Longitude: -82.780833
Degrees: 82
Minutes: 46
Seconds: 51

Facility ID: 10000166
Tank ID: 3
Facility Phone: 606-889-0027
Associate Phone: 606-886-2368
Tank Status: Active
Owner: Not reported
Owner Address: PRESTONSBURG, KY
Substance: Diesel

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

ACTION EXPRESS MART #12 (Continued)

U003415130

Capacity in Gallons: 2000
Tank Material: Steel Interior / Fiberglass Lined
Tank External Protection: Automatic Tank Gauging
Tank Internal Protection: Interior Lining N/A
Tank Overfill Protection: Automatic Shutoff Device
Pipe Material: Flexible Wall
Pipe External Protection: Flexible Wall
Pipe Release Detection: Electronic Leak Detection
Pipe Type: Pressurized
Pipe Secondary Containment: Not reported
Company Name: ACTION PETROLEUM CO LTD
Installation Date: 12/28/1998
Relined Date: Not reported
Last Contained Date: Not reported
Removed Date: / /
Closed in Place Date: Not reported
Temp Closed Date: Not reported
Change in Service Date: Not reported
Inert Material Code: Not reported
Street Address: Not reported
Site PO Address: PO BOX 609
Postal Code: 41653
Latitude: 37.684889
Degrees: 37
Minutes: 41
Seconds: 5.6
Longitude: -82.780833
Degrees: 82
Minutes: 46
Seconds: 51

Facility ID: 10000166
Tank ID: 4
Facility Phone: 606-889-0027
Associate Phone: 606-886-2368
Tank Status: Active
Owner: Not reported
Owner Address: PRESTONSBURG, KY
Substance: Kerosene
Capacity in Gallons: 2000
Tank Material: Steel Interior / Fiberglass Lined
Tank External Protection: Automatic Tank Gauging
Tank Internal Protection: Other
Tank Overfill Protection: Automatic Shutoff Device
Pipe Material: Flexible Wall
Pipe External Protection: Flexible Wall
Pipe Release Detection: Check Valve
Pipe Type: Suction
Pipe Secondary Containment: Not reported
Company Name: ACTION PETROLEUM CO LTD
Installation Date: 12/28/1998
Relined Date: Not reported
Last Contained Date: Not reported
Removed Date: / /
Closed in Place Date: Not reported
Temp Closed Date: Not reported
Change in Service Date: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

Database(s) EDR ID Number
 EPA ID Number

ACTION EXPRESS MART #12 (Continued)

U003415130

Inert Material Code: Not reported
 Street Address: Not reported
 Site PO Address: PO BOX 609
 Postal Code: 41653
 Latitude: 37.684889
 Degrees: 37
 Minutes: 41
 Seconds: 5.6
 Longitude: -82.780833
 Degrees: 82
 Minutes: 46
 Seconds: 51

5 JOHNSON HILL ENGINEERING
South 253 UNIVERSITY DR
1/4-1/2 PRESTONSBURG, KY 41653
2556 ft.

UST U003416343
N/A

Relative:
Lower

UST:

Actual:
614 ft.

Facility ID: 9999709
 Tank ID: 1
 Facility Phone: Not reported
 Associate Phone: 606-478-2138
 Tank Status: Verified Removal
 Owner: Not reported
 Owner Address: BETSY LAYNE, KY
 Substance: Gasoline
 Capacity in Gallons: 550
 Tank Material: Single Wall Steel
 Tank External Protection: None
 Tank Internal Protection: None
 Tank Overfill Protection: None
 Pipe Material: Single Wall Steel
 Pipe External Protection: None
 Pipe Release Detection: None
 Pipe Type: Suction
 Pipe Secondary Containment: Not reported
 Company Name: S E R DEVELOPMENT
 Installation Date: 01/01/1980
 Relined Date: Not reported
 Last Contained Date: Not reported
 Removed Date: 04/01/1999
 Closed in Place Date: Not reported
 Temp Closed Date: 4-Nov-98
 Change in Service Date: Not reported
 Inert Material Code: Not reported
 Street Address: Not reported
 Site PO Address: PO BOX 428
 Postal Code: 41605
 Latitude: Not reported
 Degrees: Not reported
 Minutes: Not reported
 Seconds: Not reported
 Longitude: Not reported
 Degrees: Not reported
 Minutes: Not reported
 Seconds: Not reported

MAP FINDINGS

Map ID Direction Distance Distance (ft.) Elevation	Site	Database(s)	EDR ID Number EPA ID Number
6 South 1/2-1 2880 ft.	PRESTONSBURG HIGH SCHOOL HIGHWAY US 23, N. ARNOLD AVE. PRESTONSBURG, KY 41653	RCRIS-SQG FINDS	1000461443 KYD985077296
Relative: Higher	RCRIS: Owner: FLOYD COUNTY BOARD OF EDUCATION (606) 886-2354		
Actual: 645 ft.	EPA ID: KYD985077296 Contact: NED BUSH (606) 886-2354 Classification: Conditionally Exempt Small Quantity Generator TSD Activities: Not reported Violation Status: No violations found		
	FINDS: Other Pertinent Environmental Activity Identified at Site: Resource Conservation and Recovery Act Information system		
7 SSW 1/2-1 3104 ft.	C J MCNALLY CO. INC FLOYD (County), KY	MINES	M100044913 N/A
Relative: Lower	U.S. MINES: Mine ID: 1512675 Entity Name: PCE TIPPLE State FIPS code: 21 Status Date: 02/02/1983 Operation Class: Coal mining Number of Pits: 000 Latitude: 37 40 40	SIC Codes: 12110 00000 00000 00000 00000 00000 Company: C J MCNALLY CO. INC County FIPS code: 071 Status: New, no men working Number of Shops: 0 Number of Plants: 0 Longitude: 082 46 55	
Actual: 627 ft.			
8 South 1/2-1 3664 ft.	MARVIN E MUSIC JR 5 MUSIC ST PRESTONSBURG, KY 41653	UST	U003415959 N/A
Relative: Higher	UST: Facility ID: 5422036 Tank ID: 1 Facility Phone: Not reported Associate Phone: 606-886-2650 Tank Status: Exempt Tank Owner: MARVIN MUSIC Owner Address: PRESTONSBURG, KY Substance: Gasoline Capacity in Gallons: 500 Tank Material: Unknown Tank External Protection: Unknown Tank Internal Protection: Unknown Tank Overfill Protection: Unknown Pipe Material: Unknown Pipe External Protection: Unknown Pipe Release Detection: Unknown Pipe Type: Unknown Pipe Secondary Containment: Not reported Company Name: Not reported		
Actual: 675 ft.			

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

MARVIN E MUSIC JR (Continued)

U003415959

Installation Date: 01/01/1951
Relined Date: Not reported
Last Contained Date: Not reported
Removed Date: / /
Closed in Place Date: Not reported
Temp Closed Date: Not reported
Change in Service Date: Not reported
Inert Material Code: Not reported
Street Address: Not reported
Site PO Address: PO BOX 758
Postal Code: 41653
Latitude: Not reported
Degrees: Not reported
Minutes: Not reported
Seconds: Not reported
Longitude: Not reported
Degrees: Not reported
Minutes: Not reported
Seconds: Not reported

9
SSW
1/2-1
4725 ft.

MOUNTAIN METAL COMPANY
BALDWIN & RAILROAD AVENUE
W. PRESTONSBURG, KY 41668

RCRIS-SQG 1000863669
FINDS KY0000035741
RCRIS-TSD

Relative:
Higher

RCRIS:

Owner: MOUNTAIN METAL CO.
(606) 886-6016
EPA ID: KY0000035741
Contact: Not reported

Actual:
666 ft.

Classification: TSD
TSD Activities: Not reported

Violation Status: Violations exist

Regulation Violated: 32:010
Area of Violation: GENERATOR-RECORDKEEPING REQUIREMENTS
Date Violation Determined: 10/20/1995
Actual Date Achieved Compliance: 04/01/1996

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 10/20/1995
Penalty Type: Not reported

Regulation Violated: krs 224.46-580
Area of Violation: GENERATOR-OTHER REQUIREMENTS
Date Violation Determined: 03/01/1995
Actual Date Achieved Compliance: 08/31/1995

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 07/06/1995
Penalty Type: Not reported

Regulation Violated: krs 224.46-580
Area of Violation: GENERATOR-OTHER REQUIREMENTS
Date Violation Determined: 09/22/1994
Actual Date Achieved Compliance: 10/18/1994

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 09/23/1994
Penalty Type: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

MOUNTAIN METAL COMPANY (Continued)

1000863669

Regulation Violated: 32:010
 Area of Violation: GENERATOR-RECORDKEEPING REQUIREMENTS
 Date Violation Determined: 11/09/1993
 Actual Date Achieved Compliance: 01/28/1994

Enforcement Action: COMBINATION-INFORMAL
 Enforcement Action Date: 11/23/1993
 Penalty Type: Not reported

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
 Enforcement Action Date: 07/16/1997
 Penalty Type: Not reported

Regulation Violated: 32:100
 Area of Violation: GENERATOR-MANIFEST REQUIREMENTS
 Date Violation Determined: 11/09/1993
 Actual Date Achieved Compliance: 01/28/1994

Enforcement Action: COMBINATION-INFORMAL
 Enforcement Action Date: 11/23/1993
 Penalty Type: Not reported

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
 Enforcement Action Date: 07/16/1997
 Penalty Type: Not reported

Penalty Summary:

Penalty Description	Penalty Date	Penalty Amount	Lead Agency
Final Monetary Penalty	2/24/1999	1500	STATE

There are 5 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Schedule Evaluation	GENERATOR-RECORDKEEPING REQUIREMENTS	19940128
	GENERATOR-MANIFEST REQUIREMENTS	19940128
Compliance Schedule Evaluation	GENERATOR-RECORDKEEPING REQUIREMENTS	19960401
Compliance Schedule Evaluation	GENERATOR-RECORDKEEPING REQUIREMENTS	19960401
Non-Financial Record Review	GENERATOR-RECORDKEEPING REQUIREMENTS	19960401
Compliance Schedule Evaluation	GENERATOR-OTHER REQUIREMENTS	19950831
Non-Financial Record Review	GENERATOR-OTHER REQUIREMENTS	19950831
Compliance Schedule Evaluation	GENERATOR-OTHER REQUIREMENTS	19941018
Non-Financial Record Review	GENERATOR-OTHER REQUIREMENTS	19941018
Compliance Evaluation Inspection	GENERATOR-RECORDKEEPING REQUIREMENTS	19940128
	GENERATOR-MANIFEST REQUIREMENTS	19940128

FINDS:

Other Pertinent Environmental Activity Identified at Site:
 Resource Conservation and Recovery Act Information system

10
 SW
 > 1
 6525 ft.

MEASURING STATION 804732

SHWS S105196144
 N/A

FLOYD (County), KY

Relative:
 Higher

SHWS:

Status: CLOSED
 Nearest Community: Prestonsburg
 Incident Type: GAS PIPELINES
 ER Number: 13589
 Spill Class: HAZARDOUS SUBSTANCE
 Date Received: 11/27/2000

Actual:
 952 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

MEASURING STATION 804732 (Continued)

Lat/Long: 37.67139 / -82.79216
Section: PETROLEUM

Database(s)
EDR ID Number
EPA ID Number

S105196144

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
AUXIER	U000808442	SHEPS TRUCK STOP (CLOSED)	RT 321	41602	UST
CORNETTSVILLE	U000808247	LINE FORK COMPRESSOR STATION	KY RT 1103	41653	UST
EAST POINT	U000810804	PETROLEUM LOCATION SS RO	US RT 23	41216	UST
HIPPO	U001441411	VANDERPOOLS MONROE STORE	HWY 850	41653	UST
HIPPO	1000116565	ADTEC INC	6066 STATE ROUTE 850	41653	RCRIS-SQG, FINDS, UST
PRESTONSBURG	1000518750	COLUMBIA GAS TRANSMISSION CORP.- LANCER	2699 RT 1428	41653	RCRIS-SQG, FINDS
PRESTONSBURG	1001077469	SCHNEIDER NATIONAL BULK CARRIERS INC	ROUTE 3	41653	RCRIS-SQG, FINDS
PRESTONSBURG	U003180236	POOR BOYS	HWY 3	41653	UST, SB193
PRESTONSBURG	1000908081	BRANDY KEG BAIT AND TACKLE SHOP	ROUTE 3, DEWEY LAKE ROAD	41653	RCRIS-SQG, FINDS
PRESTONSBURG	U001183802	CRIDERS GROCERY	KY 39 RTE 3385	41653	UST
PRESTONSBURG	1001196254	EAST KENTUCKY TIRE	811 KY HWY 114	41653	RCRIS-SQG, FINDS
PRESTONSBURG	U001182619	PRESTONSBURG SOC-52642	KY HWY 3 WATERGAP RD	41653	UST
PRESTONSBURG	1000863765	SUPERAMERICA RE185	SOUTH LAKE DRIVE & GRAHAM AVE.	41653	RCRIS-SQG, FINDS
PRESTONSBURG	1001127257	TOMMYS GULF	SOUTH LAKE DRIVE	41653	RCRIS-SQG, FINDS
PRESTONSBURG	1005905225	WILLIAMS PROPERTY	216 LAKE DRIVE	41653	RCRIS-SQG, FINDS
PRESTONSBURG	S105701432	HYDEN BP	311 N LAKE DR / FRIEND ST	41653	SB193
PRESTONSBURG	S105914007	EAST KY PIPE	162 LEFT FORK BULL CRK	SB193	
PRESTONSBURG	1000450937	HIGHLANDS REGIONAL MEDICAL CENTER	5000 KY ROUTE 321	41653	RCRIS-SQG, FINDS
PRESTONSBURG	1001196257	POOR BOYS	HWY RT 3	41653	RCRIS-SQG, FINDS
PRESTONSBURG	U003701295	FAMILY MARKET	12363 KY RT 114	41653	UST
PRESTONSBURG	U003701280	MEADE'S STOP-N-GO INC	6292 KY RTE 321	41653	UST
PRESTONSBURG	U003790332	PORTERS BAIT SHOP	3816 KY RTE 1428	41653	UST, SB193
PRESTONSBURG	U001183514	LANCER AREA OFFICE	STATE RT 1428	41653	UST
PRESTONSBURG	S105201731	PRESTONSBURG RECYCLING CENTER	THURSDAY STREET	41653	SWF/AF
WATERGAP	U001440975	D & E MARKET (GAS & GO INC)	S R 80	41653	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.

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

FEDERAL ASTM STANDARD RECORDS

NPL: National Priority List

Source: EPA
Telephone: N/A

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

Date of Government Version: 04/27/04
Date Made Active at EDR: 05/21/04
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 05/04/04
Elapsed ASTM days: 17
Date of Last EDR Contact: 05/04/04

NPL Site Boundaries

Sources:

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

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 8
Telephone: 303-312-6774

EPA Region 4
Telephone 404-562-8033

Proposed NPL: Proposed National Priority List Sites

Source: EPA
Telephone: N/A

Date of Government Version: 04/27/04
Date Made Active at EDR: 05/21/04
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 05/04/04
Elapsed ASTM days: 17
Date of Last EDR Contact: 05/04/04

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

Source: EPA
Telephone: 703-413-0223

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

Date of Government Version: 02/26/04
Date Made Active at EDR: 04/02/04
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 03/22/04
Elapsed ASTM days: 11
Date of Last EDR Contact: 06/23/04

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Source: EPA
Telephone: 703-413-0223

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/26/04
Date Made Active at EDR: 04/02/04
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 03/22/04
Elapsed ASTM days: 11
Date of Last EDR Contact: 06/23/04

CORRACTS: Corrective Action Report

Source: EPA
Telephone: 800-424-9346

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/15/04
Date Made Active at EDR: 04/15/04
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 03/25/04
Elapsed ASTM days: 21
Date of Last EDR Contact: 06/07/04

RCRIS: Resource Conservation and Recovery Information System

Source: EPA
Telephone: 800-424-9346

Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). 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: 06/15/04
Date Made Active at EDR: 07/20/04
Database Release Frequency: Varies

Date of Data Arrival at EDR: 06/23/04
Elapsed ASTM days: 27
Date of Last EDR Contact: 06/23/04

ERNS: Emergency Response Notification System

Source: National Response Center, United States Coast Guard
Telephone: 202-260-2342

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

Date of Government Version: 12/31/03
Date Made Active at EDR: 03/12/04
Database Release Frequency: Annually

Date of Data Arrival at EDR: 01/26/04
Elapsed ASTM days: 46
Date of Last EDR Contact: 07/26/04

FEDERAL ASTM SUPPLEMENTAL RECORDS

BRS: Biennial Reporting System

Source: EPA/NTIS
Telephone: 800-424-9346

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

Date of Government Version: 12/01/01
Database Release Frequency: Biennially

Date of Last EDR Contact: 06/22/04
Date of Next Scheduled EDR Contact: 09/13/04

CONSENT: Superfund (CERCLA) Consent Decrees

Source: EPA Regional Offices
Telephone: Varies

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

Date of Government Version: N/A
Database Release Frequency: Varies

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ROD: Records Of Decision

Source: EPA
Telephone: 703-416-0223

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

Date of Government Version: 04/08/04
Database Release Frequency: Annually

Date of Last EDR Contact: 07/07/04
Date of Next Scheduled EDR Contact: 10/04/04

DELISTED NPL: National Priority List Deletions

Source: EPA
Telephone: N/A

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

Date of Government Version: 04/27/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 05/04/04
Date of Next Scheduled EDR Contact: 08/02/04

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

Source: EPA
Telephone: N/A

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

Date of Government Version: 04/08/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/06/04
Date of Next Scheduled EDR Contact: 10/04/04

HMIRS: Hazardous Materials Information Reporting System

Source: U.S. Department of Transportation
Telephone: 202-366-4555

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

Date of Government Version: 02/17/04
Database Release Frequency: Annually

Date of Last EDR Contact: 04/20/04
Date of Next Scheduled EDR Contact: 07/19/04

MLTS: Material Licensing Tracking System

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

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

Date of Government Version: 04/19/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/06/04
Date of Next Scheduled EDR Contact: 10/04/04

MINES: Mines Master Index File

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

Date of Government Version: 03/05/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 06/30/04
Date of Next Scheduled EDR Contact: 09/27/04

NPL LIENS: Federal Superfund Liens

Source: EPA
Telephone: 202-564-4267

Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Last EDR Contact: 05/24/04
Date of Next Scheduled EDR Contact: 08/23/04

PADS: PCB Activity Database System

Source: EPA
Telephone: 202-564-3887

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: 03/30/04
Database Release Frequency: Annually

Date of Last EDR Contact: 05/12/04
Date of Next Scheduled EDR Contact: 08/09/04

DOD: Department of Defense Sites

Source: USGS
Telephone: 703-692-8801

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: 10/01/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 05/14/04
Date of Next Scheduled EDR Contact: 08/09/04

STORMWATER: Storm Water General Permits

Source: Environmental Protection Agency
Telephone: 202 564-0746

A listing of all facilities with Storm Water General Permits.

Date of Government Version: N/A
Database Release Frequency: Quarterly

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

INDIAN RESERV: Indian Reservations

Source: USGS
Telephone: 202-208-3710

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: 10/01/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 05/14/04
Date of Next Scheduled EDR Contact: 08/09/04

US BROWNFIELDS: A Listing of Brownfields Sites

Source: Environmental Protection Agency
Telephone: 202-566-2777

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 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: 04/14/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 06/14/04
Date of Next Scheduled EDR Contact: 09/13/04

RMP: Risk Management Plans

Source: Environmental Protection Agency
Telephone: 202-564-8600

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Database Release Frequency: N/A

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

FUDS: Formerly Used Defense Sites

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285

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: 10/01/03
Database Release Frequency: Varies

Date of Last EDR Contact: 07/06/04
Date of Next Scheduled EDR Contact: 10/04/04

UMTRA: Uranium Mill Tailings Sites

Source: Department of Energy
Telephone: 505-845-0011

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. In 1978, 24 inactive uranium mill tailings sites in Oregon, Idaho, Wyoming, Utah, Colorado, New Mexico, Texas, North Dakota, South Dakota, Pennsylvania, and on Navajo and Hopi tribal lands, were targeted for cleanup by the Department of Energy.

Date of Government Version: 04/22/04
Database Release Frequency: Varies

Date of Last EDR Contact: 06/21/04
Date of Next Scheduled EDR Contact: 09/20/04

RAATS: RCRA Administrative Action Tracking System

Source: EPA
Telephone: 202-564-4104

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

Date of Government Version: 04/17/95
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 06/07/04
Date of Next Scheduled EDR Contact: 09/06/04

TRIS: Toxic Chemical Release Inventory System

Source: EPA
Telephone: 202-566-0250

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: 12/31/01
Database Release Frequency: Annually

Date of Last EDR Contact: 06/22/04
Date of Next Scheduled EDR Contact: 09/20/04

TSCA: Toxic Substances Control Act

Source: EPA
Telephone: 202-260-5521

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

Date of Government Version: 12/31/02
Database Release Frequency: Every 4 Years

Date of Last EDR Contact: 06/07/04
Date of Next Scheduled EDR Contact: 09/06/04

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

Source: EPA
Telephone: 202-564-2501

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/13/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/21/04
Date of Next Scheduled EDR Contact: 09/20/04

SSTS: Section 7 Tracking Systems

Source: EPA
Telephone: 202-564-5008

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: 12/31/01
Database Release Frequency: Annually

Date of Last EDR Contact: 07/20/04
Date of Next Scheduled EDR Contact: 10/18/04

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

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-564-2501

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/13/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/21/04
Date of Next Scheduled EDR Contact: 09/20/04

STATE OF KENTUCKY ASTM STANDARD RECORDS

SHWS: State Leads List

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

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

Date of Government Version: 04/01/04
Date Made Active at EDR: 04/30/04
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 04/05/04
Elapsed ASTM days: 25
Date of Last EDR Contact: 06/28/04

SWF/LF: Solid Waste Facilities List

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

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

Date of Government Version: 05/01/03
Date Made Active at EDR: 06/03/03
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 05/19/03
Elapsed ASTM days: 15
Date of Last EDR Contact: 05/19/04

UST: Underground Storage Tank Database

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

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

Date of Government Version: 04/20/04
Date Made Active at EDR: 05/06/04
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 04/26/04
Elapsed ASTM days: 10
Date of Last EDR Contact: 06/28/04

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

VCP: Voluntary Cleanup Program Sites

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

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

Date of Government Version: 12/01/03
Date Made Active at EDR: 01/12/04
Database Release Frequency: Varies

Date of Data Arrival at EDR: 01/05/04
Elapsed ASTM days: 7
Date of Last EDR Contact: 06/28/04

STATE OF KENTUCKY ASTM SUPPLEMENTAL RECORDS

SB193: SB193 Branch Site Inventory List

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

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: 02/01/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 05/10/04
Date of Next Scheduled EDR Contact: 08/09/04

EDR PROPRIETARY HISTORICAL DATABASES

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

Disclaimer Provided by Real Property Scan, Inc.

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

BROWNFIELDS DATABASES

VCP: Voluntary Cleanup Program Sites

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

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

Date of Government Version: 12/01/03
Database Release Frequency: Varies

Date of Last EDR Contact: 06/28/04
Date of Next Scheduled EDR Contact: 09/27/04

INST CONTROL: State Superfund Database

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

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

Date of Government Version: 12/05/03
Database Release Frequency: Varies

Date of Last EDR Contact: 06/28/04
Date of Next Scheduled EDR Contact: 09/27/04

US BROWNFIELDS: A Listing of Brownfields Sites

Source: Environmental Protection Agency
Telephone: 202-566-2777

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 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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Database Release Frequency: Semi-Annually

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

OTHER DATABASE(S)

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

Oil/Gas Pipelines: 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

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

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

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

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 from the U.S. Fish and Wildlife Service.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STREET AND ADDRESS INFORMATION

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GEOCHECK® - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

BROADBOTTOM
BERT COMBS DRIVE
PRESTONSBURG, KY 41653

TARGET PROPERTY COORDINATES

Latitude (North):	37.686001 - 37° 41' 9.6"
Longitude (West):	82.779099 - 82° 46' 44.8"
Universal Transverse Mercator:	Zone 17
UTM X (Meters):	343125.8
UTM Y (Meters):	4172261.2
Elevation:	636 ft. above sea level

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

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

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

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata. EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

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

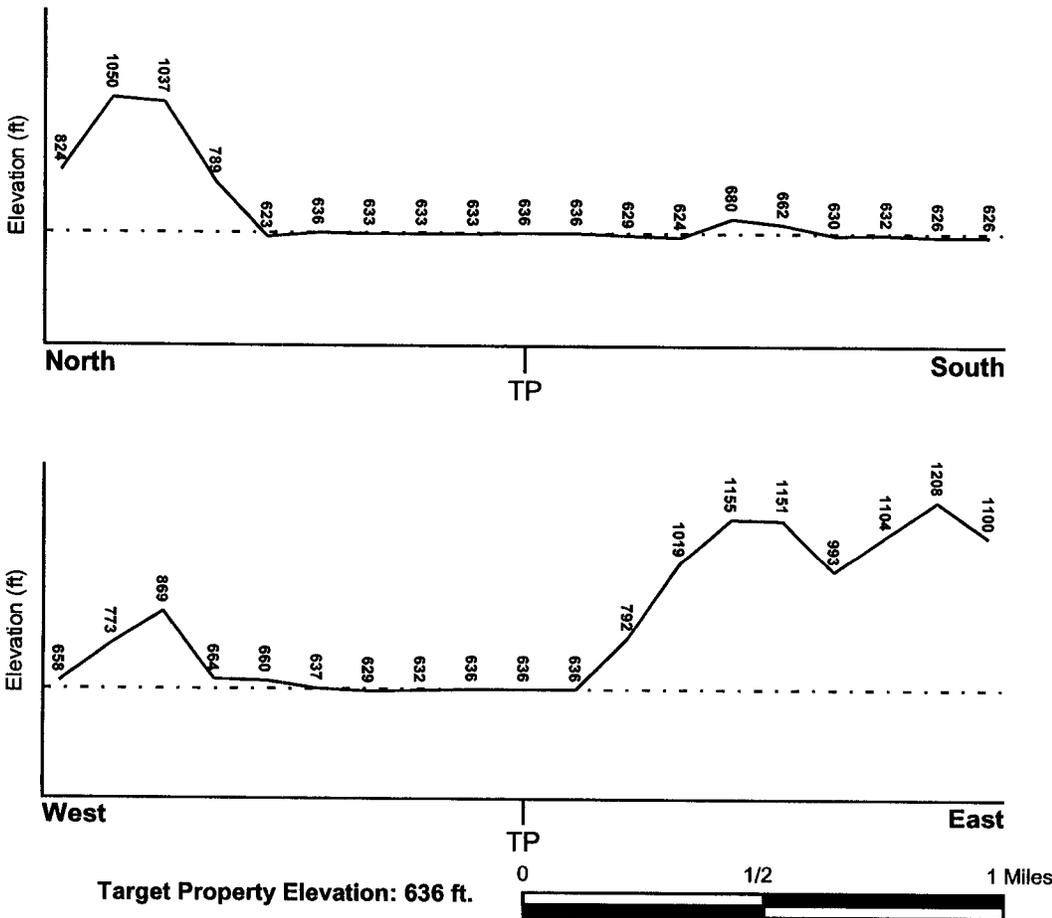
TOPOGRAPHIC INFORMATION

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

TARGET PROPERTY TOPOGRAPHY

USGS Topographic Map:	37082-F7 PRESTONSBURG, KY
General Topographic Gradient:	General West
Source:	USGS 7.5 min quad index

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> FLOYD, KY	FEMA Flood <u>Electronic Data</u> YES - refer to the Overview Map and Detail Map
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Flood Plain Panel at Target Property: 2100720001D

Additional Panels in search area: 2100690025C
2100690030C
2100720002D

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u> PRESTONSBURG	NWI Electronic <u>Data Coverage</u> Not Available
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HYDROGEOLOGIC INFORMATION

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

AQUIFLOW®

Search Radius: 1.000 Mile.

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

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

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

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

ROCK STRATIGRAPHIC UNIT

Era: Paleozoic
System: Pennsylvanian
Series: Atokan and Morrowan Series
Code: PP1 (*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: NELSE

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

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

Corrosion Potential - Uncoated Steel: LOW

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	12 inches	loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 2.00	Max: 8.40 Min: 5.10
2	12 inches	30 inches	fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 2.00	Max: 8.40 Min: 5.10
3	30 inches	80 inches	loamy fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 2.00	Max: 8.40 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: channery - silt loam
silt loam
fine sandy loam

Surficial Soil Types: channery - silt loam
silt loam
fine sandy loam

Shallow Soil Types: No Other Soil Types

Deeper Soil Types: very channery - silt loam
silt loam
sandy loam
gravelly - silt loam
silty clay loam
clay loam
fine sandy loam

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

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

WELL SEARCH DISTANCE INFORMATION

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

FEDERAL USGS WELL INFORMATION

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

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

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

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

STATE DATABASE WELL INFORMATION

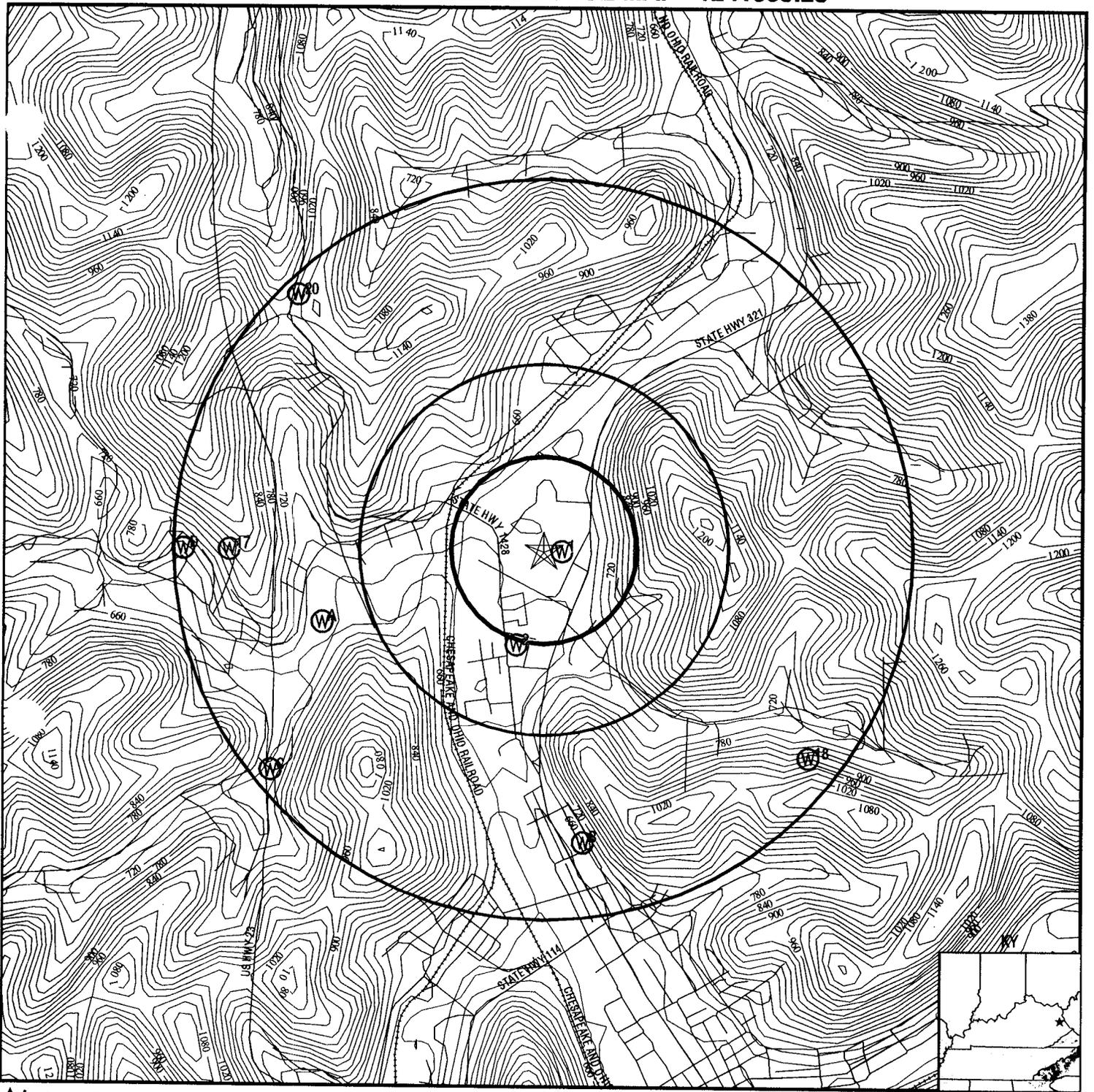
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	KYWW036854	0 - 1/8 Mile East
2	KYWW036655	1/4 - 1/2 Mile SSW
A3	KYWW020072	1/2 - 1 Mile WSW
A4	KYWW020071	1/2 - 1 Mile WSW
B5	KYWW031336	1/2 - 1 Mile South
B6	KYWW031335	1/2 - 1 Mile South
B7	KYWW031497	1/2 - 1 Mile South
B8	KYWW031496	1/2 - 1 Mile South
B9	KYWW006449	1/2 - 1 Mile South
B10	KYWW006448	1/2 - 1 Mile South
B11	KYWW006871	1/2 - 1 Mile South
B12	KYWW006870	1/2 - 1 Mile South
B13	KYWW006869	1/2 - 1 Mile South
B14	KYWW006868	1/2 - 1 Mile South

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
B15	KYWW006447	1/2 - 1 Mile South
B16	KYWW006446	1/2 - 1 Mile South
17	KYWW036855	1/2 - 1 Mile West
18	KYWW034698	1/2 - 1 Mile SE
C19	KYWW019466	1/2 - 1 Mile SW
20	KYWW036858	1/2 - 1 Mile NW
C21	KYWW019467	1/2 - 1 Mile SW
D22	KYWW036856	1/2 - 1 Mile West
D23	KYWW034714	1/2 - 1 Mile West

PHYSICAL SETTING SOURCE MAP - 1241553.2s



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



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



TARGET PROPERTY: Broadbottom
ADDRESS: Bert Combs Drive
CITY/STATE/ZIP: PRESTONSBURG KY 41653
LAT/LONG: 37.6860 / 82.7791

CUSTOMER: U.S. Army Corps of Engineers
CONTACT: Daniel F. Stark
INQUIRY #: 1241553.2s
DATE: August 02, 2004 1:09 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1
East
0 - 1/8 Mile
Higher **KY WELLS** **KYWW036854**

Well ID:	Not Reported	Id_num:	45749
Quadrangle:	Prestonsburg	Longitude:	-82.778333
Latitude:	37.685833	Use:	Domestic
County:	Floyd	Water_ft:	0
To rock:	0	Date done:	UNKNOWN
Depth:	144	Link:	Well Logs, KYDOW--GW Branch
Well ID:	Not Reported		

2
SSW
1/4 - 1/2 Mile
Lower **KY WELLS** **KYWW036655**

Well ID:	Not Reported	Id_num:	45748
Quadrangle:	Prestonsburg	Longitude:	-82.780556
Latitude:	37.682222	Use:	Domestic
County:	Floyd	Water_ft:	23
To rock:	0	Date done:	UNKNOWN
Depth:	67.6999969482422	Link:	Well Logs, KYDOW--GW Branch
Well ID:	Not Reported		

A3
WSW
1/2 - 1 Mile
Lower **KY WELLS** **KYWW020072**

Well ID:	00021050	Id_num:	12047
Quadrangle:	Prestonsburg	Longitude:	-82.79
Latitude:	37.683056	Use:	Public
County:	Floyd	Water_ft:	20
To rock:	0	Date done:	1991-06-17
Depth:	38	Link:	Well Logs, KYDOW--GW Branch
Well ID:	00021050		

A4
WSW
1/2 - 1 Mile
Lower **KY WELLS** **KYWW020071**

Well ID:	00021049	Id_num:	12046
Quadrangle:	Prestonsburg	Longitude:	-82.790278
Latitude:	37.683056	Use:	Domestic
County:	Floyd	Water_ft:	2
To rock:	0	Date done:	1991-06-17
Depth:	12	Link:	Well Logs, KYDOW--GW Branch
Well ID:	00021049		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

B5
South
1/2 - 1 Mile
Lower

KY WELLS KYWW031336

Well ID:	80029193	Id_num:	31702
Quadrangle:	Prestonsburg	Longitude:	-82.777778
Latitude:	37.674447	Use:	Monitoring
County:	Floyd	Water_ft:	6
To rock:	0	Date done:	1996-02-12
Depth:	40	Link:	Well Logs, KYDOW--GW Branch
Well ID:	80029193		

B6
South
1/2 - 1 Mile
Lower

KY WELLS KYWW031335

Well ID:	80029192	Id_num:	31701
Quadrangle:	Prestonsburg	Longitude:	-82.777778
Latitude:	37.674446	Use:	Monitoring
County:	Floyd	Water_ft:	9.19999980926514
To rock:	0	Date done:	1996-02-12
Depth:	14.5	Link:	Well Logs, KYDOW--GW Branch
Well ID:	80029192		

B7
South
1/2 - 1 Mile
Lower

KY WELLS KYWW031497

Well ID:	80029194	Id_num:	31703
Quadrangle:	Prestonsburg	Longitude:	-82.777778
Latitude:	37.674445	Use:	Monitoring
County:	Floyd	Water_ft:	0
To rock:	0	Date done:	1996-02-12
Depth:	13	Link:	Well Logs, KYDOW--GW Branch
Well ID:	80029194		

B8
South
1/2 - 1 Mile
Lower

KY WELLS KYWW031496

Well ID:	80029191	Id_num:	31700
Quadrangle:	Prestonsburg	Longitude:	-82.777778
Latitude:	37.674444	Use:	Monitoring
County:	Floyd	Water_ft:	3.90000009536743
To rock:	0	Date done:	1996-02-12
Depth:	13	Link:	Well Logs, KYDOW--GW Branch
Well ID:	80029191		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

B9
South
1/2 - 1 Mile
Higher

KY WELLS KYWW006449

Well ID:	80003985		
Quadrangle:	Prestonsburg	Id_num:	24690
Latitude:	37.674451	Longitude:	-82.776944
County:	Floyd	Use:	Monitoring
To rock:	0	Water_ft:	3.5
Depth:	12	Date done:	1992-12-10
Well ID:	80003985	Link:	Well Logs, KYDOW--GW Branch

B10
South
1/2 - 1 Mile
Higher

KY WELLS KYWW006448

Well ID:	80012800		
Quadrangle:	Prestonsburg	Id_num:	24702
Latitude:	37.67445	Longitude:	-82.776944
County:	Floyd	Use:	Monitoring
To rock:	0	Water_ft:	2
Depth:	11.5	Date done:	1992-12-10
Well ID:	80012800	Link:	Well Logs, KYDOW--GW Branch

B11
South
1/2 - 1 Mile
Higher

KY WELLS KYWW006871

Well ID:	80012789		
Quadrangle:	Prestonsburg	Id_num:	24703
Latitude:	37.674449	Longitude:	-82.776944
County:	Floyd	Use:	Monitoring
To rock:	0	Water_ft:	2.79999995231628
Depth:	12	Date done:	1992-12-10
Well ID:	80012789	Link:	Well Logs, KYDOW--GW Branch

B12
South
1/2 - 1 Mile
Higher

KY WELLS KYWW006870

Well ID:	80003984		
Quadrangle:	Prestonsburg	Id_num:	24689
Latitude:	37.674448	Longitude:	-82.776944
County:	Floyd	Use:	Monitoring
To rock:	0	Water_ft:	3.5
Depth:	12	Date done:	1992-12-09
Well ID:	80003984	Link:	Well Logs, KYDOW--GW Branch

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

B13
 South
 1/2 - 1 Mile
 Higher

KY WELLS KYWW006869

Well ID:	80003983	Id_num:	24688
Quadrangle:	Prestonsburg	Longitude:	-82.776944
Latitude:	37.674447	Use:	Monitoring
County:	Floyd	Water_ft:	4
To rock:	0	Date done:	1992-12-09
Depth:	12.5	Link:	Well Logs, KYDOW--GW Branch
Well ID:	80003983		

B14
 South
 1/2 - 1 Mile
 Higher

KY WELLS KYWW006868

Well ID:	80012783	Id_num:	24701
Quadrangle:	Prestonsburg	Longitude:	-82.776944
Latitude:	37.674446	Use:	Monitoring
County:	Floyd	Water_ft:	4
To rock:	0	Date done:	1992-12-10
Depth:	11.5	Link:	Well Logs, KYDOW--GW Branch
Well ID:	80012783		

B15
 South
 1/2 - 1 Mile
 Higher

KY WELLS KYWW006447

Well ID:	80009969	Id_num:	24691
Quadrangle:	Prestonsburg	Longitude:	-82.776944
Latitude:	37.674445	Use:	Monitoring
County:	Floyd	Water_ft:	2.5
To rock:	0	Date done:	1992-12-08
Depth:	12	Link:	Well Logs, KYDOW--GW Branch
Well ID:	80009969		

B16
 South
 1/2 - 1 Mile
 Higher

KY WELLS KYWW006446

Well ID:	80003990	Id_num:	24687
Quadrangle:	Prestonsburg	Longitude:	-82.776944
Latitude:	37.674444	Use:	Monitoring
County:	Floyd	Water_ft:	3.7999995231628
To rock:	0	Date done:	1992-12-08
Depth:	11.8999996185303	Link:	Well Logs, KYDOW--GW Branch
Well ID:	80003990		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

17
West
1/2 - 1 Mile
Higher

KY WELLS KYWW036855

Well ID:	Not Reported	Id_num:	45750
Quadrangle:	Prestonsburg	Longitude:	-82.794722
Latitude:	37.685833	Use:	Domestic
County:	Floyd	Water_ft:	22
To rock:	0	Date done:	UNKNOWN
Depth:	42.5999984741211	Link:	Well Logs, KYDOW--GW Branch
Well ID:	Not Reported		

18
SE
1/2 - 1 Mile
Higher

KY WELLS KYWW034698

Well ID:	Not Reported	Id_num:	54053
Quadrangle:	Prestonsburg	Longitude:	-82.7661
Latitude:	37.6778	Use:	Domestic
County:	Floyd	Water_ft:	0
To rock:	0	Date done:	UNKNOWN
Depth:	96	Link:	Well Logs, KYDOW--GW Branch
Well ID:	Not Reported		

C19
SW
1/2 - 1 Mile
Lower

KY WELLS KYWW019466

Well ID:	00021054	Id_num:	12050
Quadrangle:	Prestonsburg	Longitude:	-82.7925
Latitude:	37.6775	Use:	Domestic
County:	Floyd	Water_ft:	25
To rock:	0	Date done:	1991-05-31
Depth:	64	Link:	Well Logs, KYDOW--GW Branch
Well ID:	00021054		

20
NW
1/2 - 1 Mile
Higher

KY WELLS KYWW036858

Well ID:	Not Reported	Id_num:	45757
Quadrangle:	Prestonsburg	Longitude:	-82.791389
Latitude:	37.695833	Use:	Domestic
County:	Floyd	Water_ft:	17
To rock:	0	Date done:	UNKNOWN
Depth:	87.5999984741211	Link:	Well Logs, KYDOW--GW Branch
Well ID:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

C21
SW
 1/2 - 1 Mile
 Lower

KY WELLS KYWW019467

Well ID:	00021055		
Quadrangle:	Prestonsburg	Id_num:	12051
Latitude:	37.676944	Longitude:	-82.792778
County:	Floyd	Use:	Domestic
To rock:	0	Water_ft:	4
Depth:	17	Date done:	1991-05-31
Well ID:	00021055	Link:	Well Logs, KYDOW--GW Branch

D22
West
 1/2 - 1 Mile
 Higher

KY WELLS KYWW036856

Well ID:	Not Reported		
Quadrangle:	Prestonsburg	Id_num:	45751
Latitude:	37.686111	Longitude:	-82.796944
County:	Floyd	Use:	Domestic
To rock:	0	Water_ft:	12
Depth:	49	Date done:	UNKNOWN
Well ID:	Not Reported	Link:	Well Logs, KYDOW--GW Branch

D23
West
 1/2 - 1 Mile
 Higher

KY WELLS KYWW034714

Well ID:	Not Reported		
Quadrangle:	Prestonsburg	Id_num:	54084
Latitude:	37.6856	Longitude:	-82.797
County:	Floyd	Use:	Domestic
To rock:	0	Water_ft:	0
Depth:	30	Date done:	UNKNOWN
Well ID:	Not Reported	Link:	Well Logs, KYDOW--GW Branch

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for FLOYD County: 2

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

Federal Area Radon Information for Zip Code: 41653

Number of sites tested: 1

<u>Area</u>	<u>Average Activity</u>	<u>% <4 pCi/L</u>	<u>% 4-20 pCi/L</u>	<u>% >20 pCi/L</u>
Living Area - 1st Floor	0.200 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. 7.5-Minute DEMs correspond to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps.

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 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

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

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

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

STATSGO: State Soil Geographic Database

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.

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

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.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STATE RECORDS

Kentucky Well Data Files

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

RADON

Area Radon Information

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



EDR™ Environmental
Data Resources Inc

"Linking Technology with Tradition"

Sanborn® Map Report

Ship To: Daniel F. Stark
U.S. Army Corps of
502 8th Street
Huntington, WV 25701

Order Date: 8/2/2004 **Completion Date:** 8/3/2004

Inquiry #: 1241553.3s

P.O. #: NA

Site Name: Broadbottom

Address: Bert Combs Drive

City/State: PRESTONSBURG, KY 41653

Cross Streets:

Customer Project: NA
068558WIS 304-529-5363

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

NO COVERAGE

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**The EDR-Historical
Topographic Map
Report**

**South Prestonsburg
Trimble Branch
Prestonsburg, KY 41653**

September 19, 2003

Inquiry Number: 1049570-6

***The Source
For Environmental
Risk Management
Data***

3530 Post Road
Southport, Connecticut 06490

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802

Environmental Data Resources, Inc.

Historical Topographic Map Report

Environmental Data Resources, Inc.'s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property, and its surrounding area, resulting from past activities. ASTM E 1527-94, Section 7.3 on Historical Use Information, identifies the prior use requirements for a Phase I environmental site assessment. The ASTM standard requires a review of *reasonably ascertainable standard historical sources*. *Reasonably ascertainable is defined as information that is publicly available, obtainable from a source with reasonable time and cost constraints, and practically reviewable.*

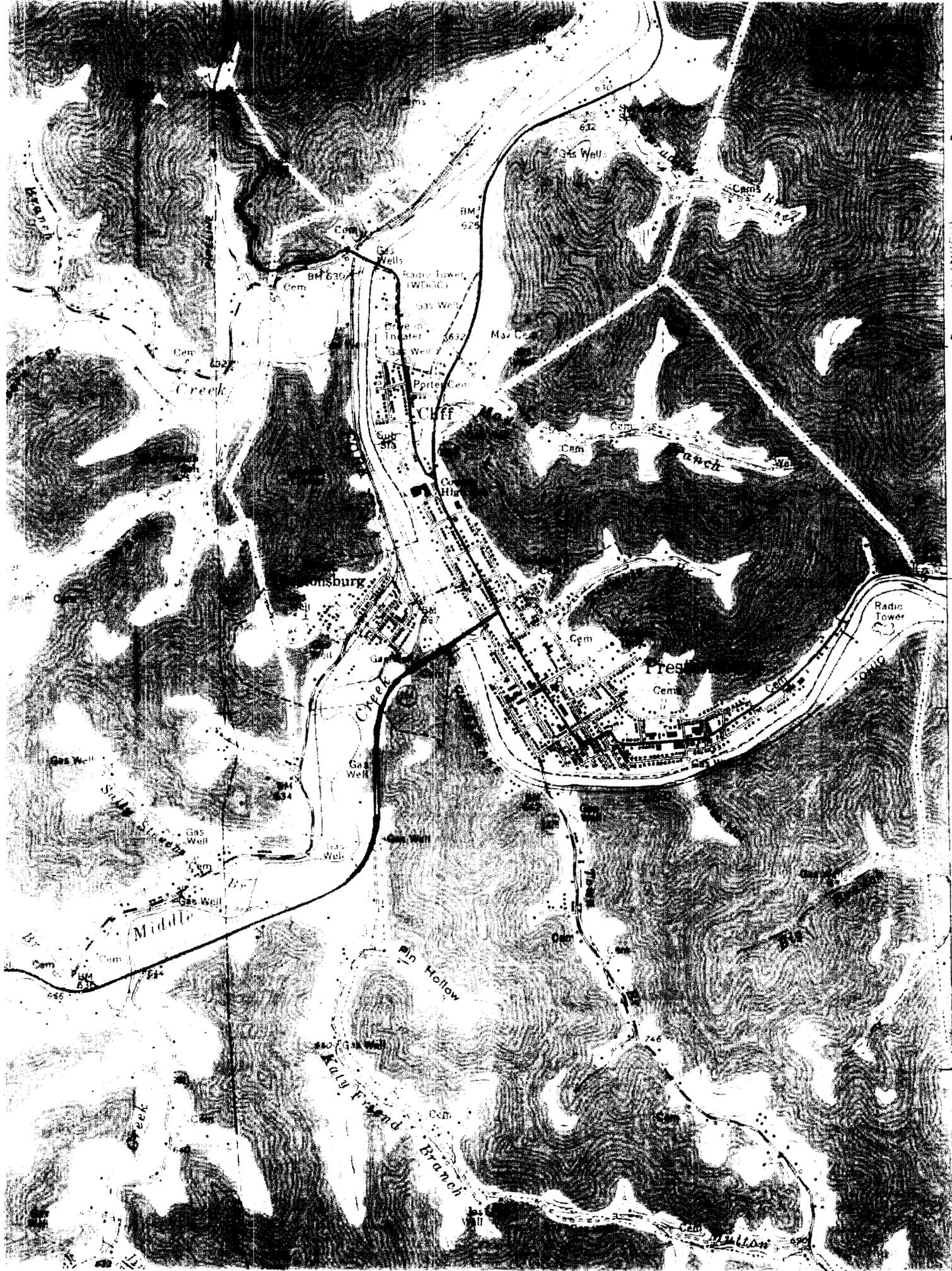
To meet the prior use requirements of ASTM E 1527-94, Section 7.3.2, the following *standard historical sources* may be used: aerial photographs, city directories, fire insurance maps, topographic maps, property tax files, land title records (although these cannot be the sole historical source consulted), building department records, or zoning/and use records. ASTM E 1527-94 requires "*All obvious uses of the property shall be identified from the present, back to the property's obvious first developed use, or back to 1940, whichever is earlier. This task requires reviewing only as many of the standard historical sources as are necessary, and that are reasonably ascertainable and likely to be useful.*" (ASTM E 1527-94, Section 7.3.2 page 11.)

EDR's Historical Topographic Map Report includes a search of available public and private color historical topographic map collections.

Topographic Maps

A topographic map (topo) is a color coded line-and-symbol representation of natural and selected artificial features plotted to a scale. Topos show the shape, elevation, and development of the terrain in precise detail by using contour lines and color coded symbols. Many features are shown by lines that may be straight, curved, solid, dashed, dotted, or in any combination. The colors of the lines usually indicate similar classes of information. For example, topographic contours (brown); lakes, streams, irrigation ditches, etc. (blue); land grids and important roads (red); secondary roads and trails, railroads, boundaries, etc. (black); and features that have been updated using aerial photography, but not field verified, such as disturbed land areas (e.g., gravel pits) and newly developed water bodies (purple).

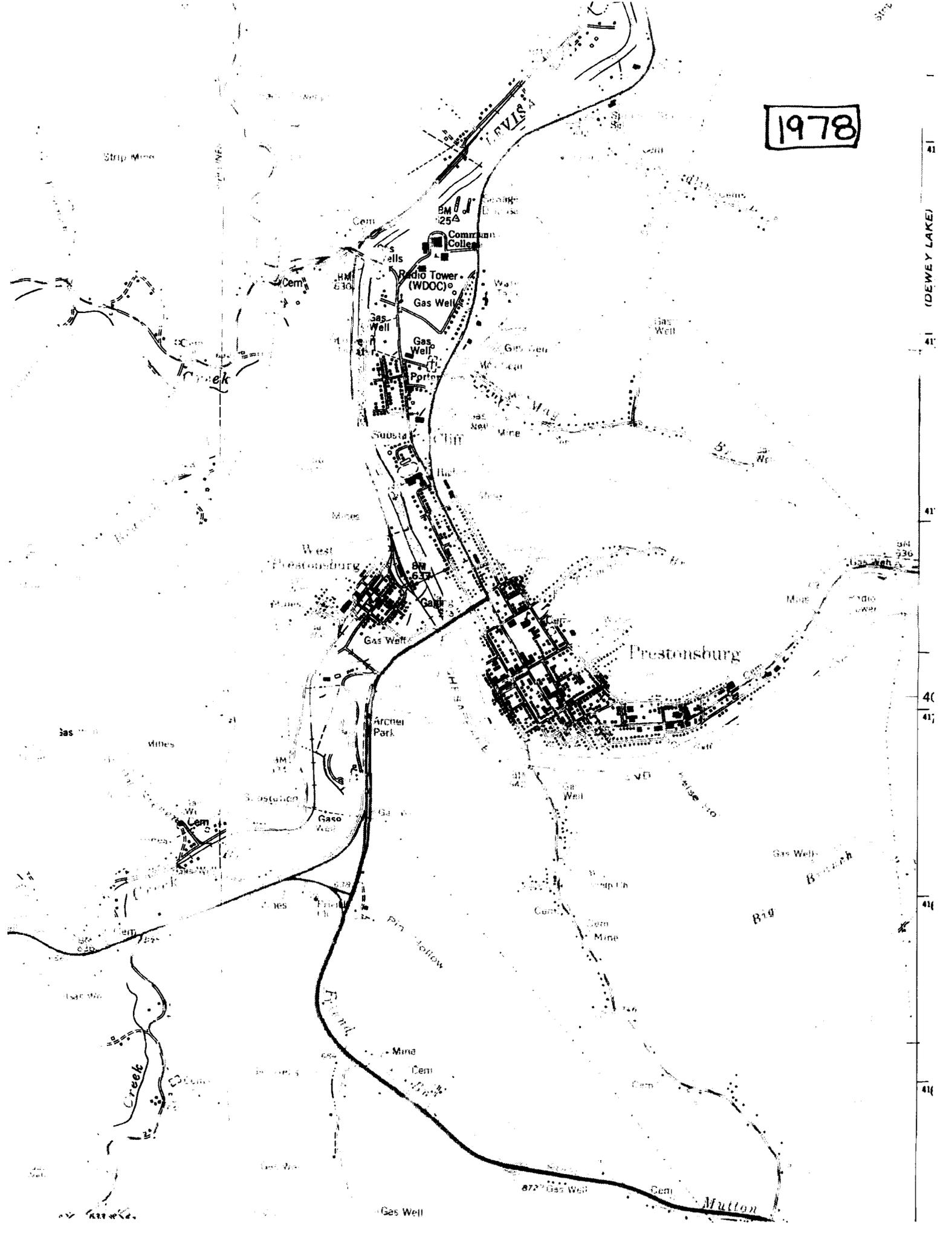
For more than a century, the USGS has been creating and revising topographic maps for the entire country at a variety of scales. There are about 60,000 U.S. Geological Survey (USGS) produced topo maps covering the United States. Each map covers a specific quadrangle (quad) defined as a four-sided area bounded by latitude and longitude. Historical topographic maps are a valuable historical resource for documenting the prior use of a property and its surrounding area, and due to their frequent availability can be particularly helpful when other standard historical sources (such as city directories, fire insurance maps, or aerial photographs) are not reasonably ascertainable.



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"Linking Technology with Tradition"

Sanborn® Map Report

Ship to: Daniel F. Stark

U.S. Army Corps of Engineers

502 8th Street

Huntington, WV 25701

Order Date: 9/18/2003

Completion Date: 9/18/2003 3:46:

Inquiry #: 1049570.5s

P.O. #: NA

Site Name: South Prestonsburg

Address: Trimble Branch

City/State: Prestonsburg, KY 41653

Customer Project: NA

1068558WIS

304-529-5363

Cross Streets:

Based on client-supplied information, fire insurance maps for the following years were identified

1926 - 1 Map

1938 - 1 Map

1947 - 1 Map

Total Maps: 3

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Electronic Sanborn Map Images USER'S GUIDE

Thank you for your interest in electronic Sanborn Map images. The following are guidelines for accessing the images and for transferring them to your system. If you have any questions about the use of electronic Sanborn Map images, contact your EDR Account Executive at 1-800-352-0050.

Organization of Electronic Sanborn Image File

- First Page Sanborn Map Report, listing years of coverage
- Second Page Electronic Sanborn Map Images USER'S GUIDE
- Third Page Oldest Sanborn Map Image
- Last Page Most recent Sanborn Map Image

Navigating the Electronic Sanborn Image File

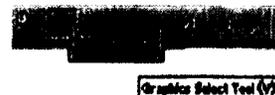
- Open file on screen.
- Identify TP (Target Property) on the most recent map.
- Find TP on older printed images.
- Using Acrobat, zoom to 250% in order to view more clearly.
 - 200-250% is the approximate equivalent scale of hardcopy Sanborn Maps.
- Zooming in on an image:
 - On the menu bar, click "View" and then zoom.
 - Use the magnifying tool and drag a box around the TP area.

Printing a Sanborn Map from the Electronic File

- EDR recommends printing all images at 300 dpi (300 dpi prints faster than 600 dpi).
- To print only the TP area, cut and paste the area from Adobe Acrobat to your word processor.

Acrobat Version 4

- Go to the Menu bar
- Press and hold the "T" button
- Choose the Graphics Select Tool
- Draw a box around the area selected
- Go to "Menu"
- Highlight "Edit"
- Highlight "Copy"
- Go to a word processor such as Microsoft Word, paste and print.



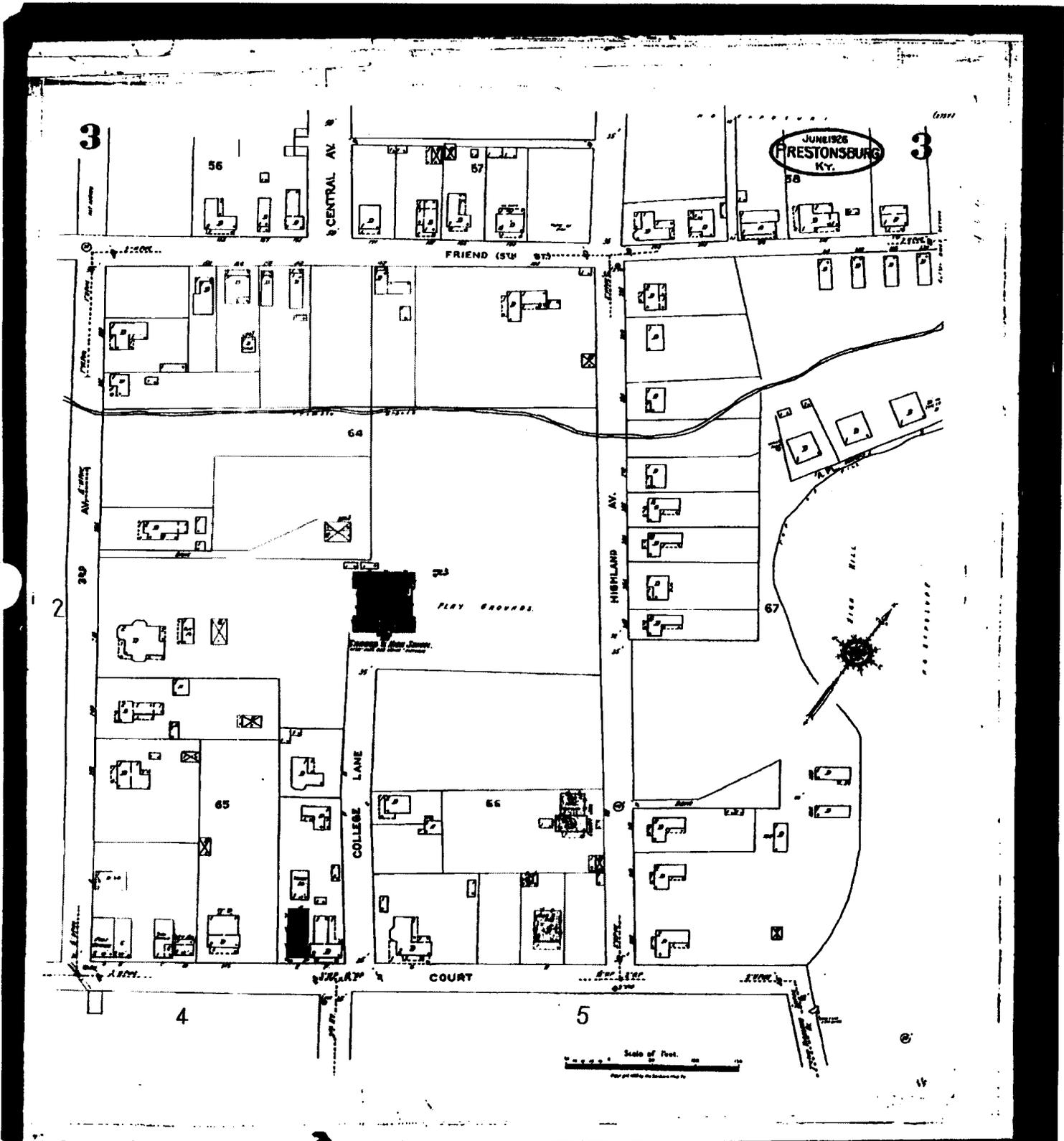
Acrobat Version 5

- Go to the Menu Bar.
- Click the "Graphics Select Tool"
- Draw a box around the area selected
- Go to "Menu"
- Highlight "Edit"
- Highlight "Copy"
- Go to a word processor such as Microsoft Word, paste and print.



Important information about Email Delivery of Electronic Sanborn Map Images

- Images are grouped into one file, up to 2MB.
- In cases where in excess of 6-7 map years are available, the file size typically exceeds 2MB. In these cases, you will receive multiple files, labeled as 1 of 3, 2 of 3, etc. including all available map years.
- Due to file size limitations, certain ISPs, including AOL, may occasionally delay or decline to deliver files. Please contact your ISP to identify their specific file size limitations.

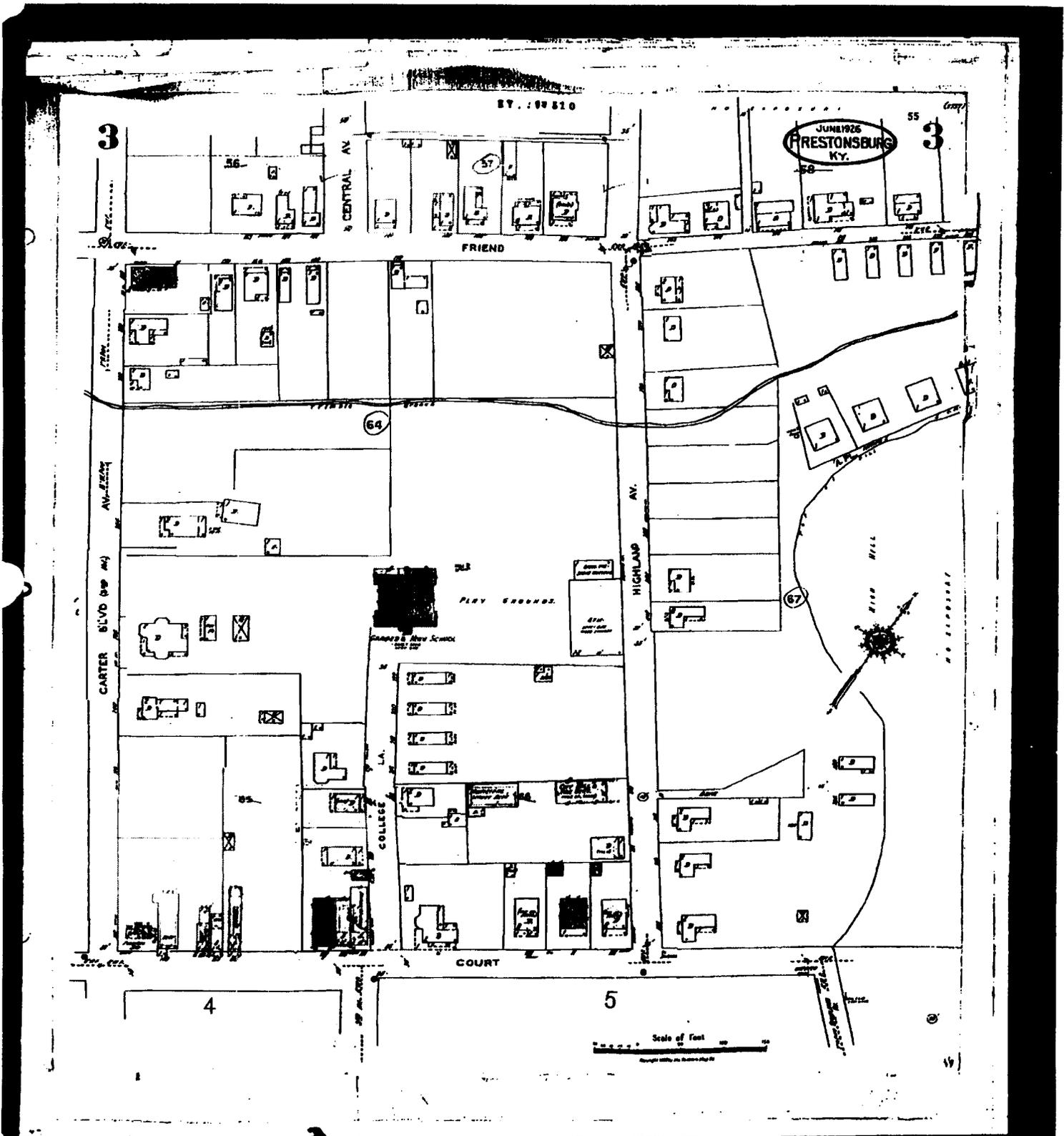


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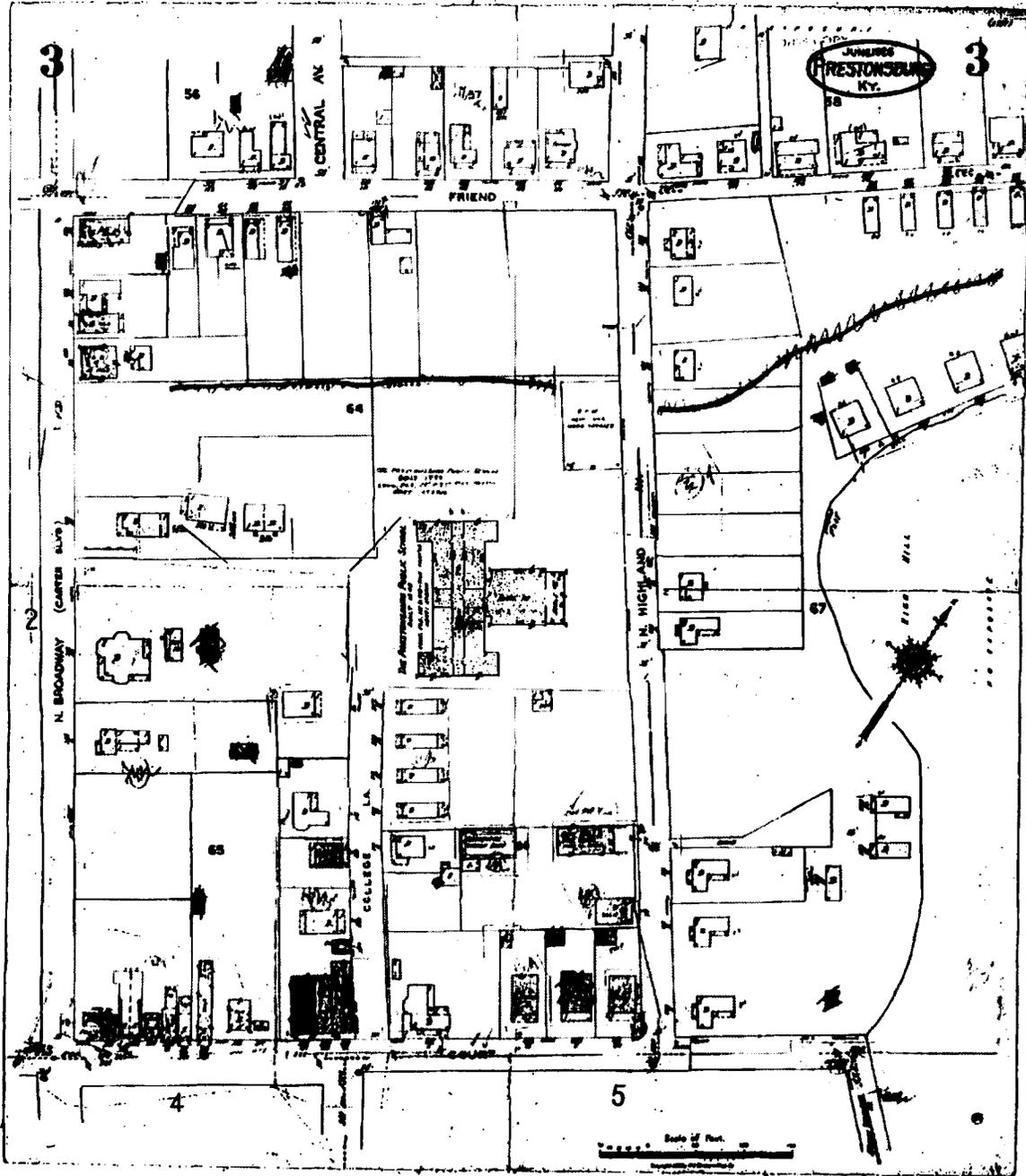


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**INFORMATION FROM KENTUCKY DEP
CONCERNING MARVIN MUSIC PROPERTY**



COMMONWEALTH OF KENTUCKY
NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
FRANKFORT OFFICE PARK
14 REILLY RD
FRANKFORT KY 40601

February 17, 1997

MARVIN E MUSIC JR
PO BOX 758
PRESTONSBURG KY 41653

RE: Underground Storage Tank(s)
UST Site ID #5422-036

Dear Mr. Music:

A detailed review of the file pertaining to the above referenced site has been conducted. Based on the information contained in the submitted documents, it has been determined that the tank(s) are exempt from the Underground Storage Tank Branch regulations. Specifically, the underground storage tank(s) registered were empty of product prior to January 1, 1974, thereby exempting them. Additionally, if any payments were remitted in lieu of annual registration fees, a refund of the money will be requested by this office and sent to you.

Even though you are exempt from the underground storage tank regulation requirements, you will be subject to the regulations of the Superfund Branch of the Division of Waste Management with regard to a closure of the tank(s). Please note that there are no requirements to be met at this time. However, in the future if you do wish to receive a closure letter for any reason, you need to contact their office.

All the information contained in your file has been forwarded to their office. Any further questions pertaining to the underground storage tank(s) on this site should be directed to **Tim Hubbard, 1-800-928-4273.**

Sincerely,

A handwritten signature in cursive script that reads "Kathy Scott".

Kathy Scott, Supervisor
Administrative Section
Underground Storage Tank Branch

COPY



**Information from Kentucky Department of Environmental Protection
Concerning the Big Sandy Community College USTs**

JAMES E. BICKFORD
SECRETARY



PAUL E. PATTON
GOVERNOR

COMMONWEALTH OF KENTUCKY
NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
FRANKFORT OFFICE PARK
14 REILLY RD
FRANKFORT KY 40601

February 27, 1996

PRESTONSBURG COMM COLLEGE/COWAN
HC 60 BOX 230
PRESTONSBURG KY 41653

RE: Prestonsburg Community College
HC 69 Box 230
Prestonsburg - Floyd County

UST ID# 1939-036
Tank(s) #1 - 500 gallon diesel

Dear Mr. Cowan:

The Division of Waste Management personnel have reviewed the information contained in the Closure Assessment Report signed 11/30/95 and Classification Guide signed and certified on 11/30/95 and subsequent data submitted on behalf of Prestonsburg Community College. This data indicates that no concentrations of hydrocarbon constituents for which you analyzed remain within the tank pit area above the soil cleanup levels specified in Class III Table I of 401 KAR 42:070E and 080E.

From your analyses, the Division agrees that this site has satisfied the requirements of Kentucky Revised Statute 224.60-105 and Kentucky Administrative Regulation 401 KAR 42:070E and 080E. The Division has based this determination on information submitted by Midcentral Environmental Services and reserves all rights to require additional monitoring or testing and to take whatever action is necessary to protect public health and the environment if the Division determines there is a need for further investigation.

Payment of any outstanding underground storage tank fees is still required pursuant to KRS 224.60-150. Failure to pay any said outstanding fees may compromise the ability of the facility to qualify for financial assistance from the Petroleum Storage Tank Environmental Assurance Fund Commission. If outstanding fees are due, you will be contacted by the Underground Storage Tank Branch.

For information on possible reimbursement of permanent closure costs, contact the Petroleum Storage Tank Environmental Assurance Fund commission at (502) 564-5981 or 1-800-928-7782.

Sincerely,

A handwritten signature in black ink, appearing to read "Doyle Mills".

Doyle Mills, Manager
Underground Storage Tank Branch
Division of Waste Management

DM/py

c: Rebecca Noble, Hazard Regional Office
Tracking
PSTEAFK
Eileen Dare
File (2)



APPENDIX D
QUALITY CONTROL PLAN

**PROGRAMMATIC QUALITY CONTROL PLAN
FOR
PHASE I HTRW SITE INVESTIGATIONS**

I. Purpose.

This Quality Control Plan (QCP) presents the policy and specific actions that are being implemented on this program to insure that high quality products are produced on time and within budget. It defines the responsibilities and roles of each member on the Independent Quality Control Team. This QCP covers the review of Phase I HTRW Investigations prepared by the Environmental and Remediation Section (CELRH-EC-CE) and those prepared by an Architect-Engineer (A-E) consultant.

II. References.

- a. ER 1110-1-2 Engineering and Design Quality Management
- b. CELRDC 5-1-1 Quality Management Plan
- c. CELRHR 5-2-5 Quality Management Plan
- d. EM 385-1-1 Safety and Health Requirements Manual
- e. ASTM E 1527-00 and E 1528-00, ASTM Standards on Environmental Site Assessments for Commercial Real Estate
- f. CEORD-DL-P Memorandum, Section 202 Voluntary Non Structural Program, HTRW Policy, 9 September 1994

III. General.

- A. Type of Project** – Phase I HTRW Report on West Prestonsburg
- B. Location** – Prestonsburg, Floyd County, Kentucky Nonstructural Project
- C. Customer/Sponsor** – The customer for this project includes Floyd County, Kentucky.
- D. Project Description** – Assessment of all project lands that could be contaminated prior to performing borings or soil borrow. Site assessment of all project lands shall include adjacent properties from which contamination could migrate. The Assessment shall consist of an environmental site assessment using standard practices to determine the potential for or presence of hazardous, toxic, or radioactive waste (HTRW).

IV. Quality Control Plan.

An effective Quality Control Plan (QCP) is important to the undertaking of this program due to the potential risks that HTRW poses to human health and the environment. An effective QCP will ensure that a high quality technical product will be produced that will require little or no revision prior to a quality assurance review.

V. Internal Quality Control.

Phase I HTRW assessments shall be prepared by a qualified Environmental Professional, CELRH-EC-CE. That individual will be responsible for ensuring a quality product through internal checks, review and interaction with Internal Quality Control Team (IQCT) member assigned to monitor project Quality. The Phase I HTRW assessment is conducted with full communication between team members. Only quality products will be released from the review team. All members of the review team will sign a quality certification sheet.

VI. Quality Control (QC) Review Team.

The IQCT shall consist of a Lead Environmental Professional (LEP), Quality Control Environmental Professional (QCEP) and an Environmental Technical Staff (ETS) member. Each member will be responsible for input or review for compliance with established policy and guidelines. The QC review team and their responsibilities are:

1. Lead Environmental Professional (LEP), Environmental and Remediation Section, Construction Management & Field Support Branch (CELRH-EC-CE). Performs Phase I HTRW Assessment and review of adequacy, completeness and verification that the Environmental Site Assessment has been conducted in accordance with standard practices, policy, and guidelines.
2. Quality Control Environmental Professional (QCEP), Environmental and Remediation Section, Construction Management & Field Support Branch (CELRH-EC-CE). Review for Precision, Accuracy, Representativeness, Comparability (PARCC), completeness and verification that the Environmental Site Assessment has been conducted in accordance with standard practices, policy and guidelines.
3. Environmental Technical Staff (ETS), Environmental and Remediation Section, Construction Management & Field Support Branch (CELRH-EC-CE). Review for hazard, risk assessment and conformance to policies and regulations.

VII. Quality Assurance.

Quality assurance (QA) review of Phase I HTRW Investigations executed by CELRH-EC-CE or their A-E, will be conducted by the ERDC.

Phase I reports that are prepared by CELRH-EC-CE will be on file in the district office. Reports that contain questionable findings or recommendations for Phase II will be sent to the ERDC for QA review.

VIII. Project Schedule (Project File)

The Project Schedule will be completed on a project by project basis and placed in the project file.

IX. QC Certification

The QC Certification will be completed on a project by project basis and placed in the project file.

QUALITY CONTROL DOCUMENTATION

Supplement to Generic QC/QA Plan

Floyd County Section 202 Nonstructural Project

This supplements the Huntington District Programmatic QC/QA Plan for HTRW/OE Products with specific information described below. The checklist in the CELRH Programmatic QC Plan for products should be used to guide reviewers.

Project Title: Floyd County Section 202 Nonstructural Project

Date: January 20, 2005

Product(s): Phase I HTRW Report on proposed Arnold Avenue Flood Wall Alignment

Customer Organization & Point of Contact: State of Kentucky

Project Description: Flood Wall

Project Manager: Tammy Conforti

Lead Environmental Professional: Nickolas McHenry

Product Team: (If applicable, individuals performing the work.)

<u>NAME</u>	<u>ORGANIZATION</u>	<u>OFFICE SYMBOL</u>	<u>DISCIPLINE</u>
Nickolas McHenry	USACE	CELRH EC-CE	Env. Engineer

Independent Technical Review Team (ITRT): (Individuals performing independent review.)

<u>NAME</u>	<u>ORGANIZATION</u>	<u>OFFICE SYMBOL</u>	<u>DISCIPLINE</u>
Erich Guy	USACE	CELRH EC-CE	Hydrogeologist
Janet Wolfe	USACE	CELRH EC-CE	Chemist

QA Examination Team: (Applies **ONLY** to Phase II ESA products and Category B products as well as those products of similar technical complexity.)

<u>NAME</u>	<u>ORGANIZATION</u>	<u>OFFICE SYMBOL</u>	<u>DISCIPLINE</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____



APPROVED BY: DAVID F. MEADOWS, P.E., P.S.
Chief, Environmental and
Remediation Section

Quality Control Review Certification

Floyd County, Kentucky Section 202 Nonstructural Project

Project Title: Floyd County Section 202 Nonstructural Project

Date: February 8, 2005

Product: Phase I HTRW Investigation on proposed Arnold Avenue Flood Wall Alignment.

Lead Environmental Professional: Nickolas McHenry

In accordance with the Huntington District ISO Procedure 3.36, independent review for the identified product has been completed and all comments are resolved. The following ITRT members certify completion of the review and resolution of comments:

NAME	DISCIPLINE	INITIALS
Erich Guy	Hydrogeologist	<u>EG</u>
Janet Wolfe	Chemist	<u>JKW</u>

Summary of issues resolved by the Chief of the Environmental and Remediation Section or responsible individual:

Lead Environmental Professional:

Nickolas McHenry
(Signature)

2/8/05
(Date)

HTRWOE Checklist

for

Floyd County, Kentucky Section 202 Nonstructural Project

Project Title: Floyd County Section 202 Nonstructural Project

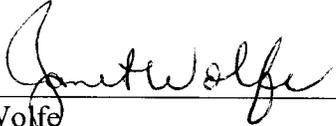
Date: January 20, 2005

Product(s): Phase I HTRW Report on proposed Arnold Avenue Flood Wall Alignment.

Lead Environmental Professional: Nickolas McHenry

This checklist is intended to serve as a general guide for review of HTRWOE products. This checklist is not all inclusive and it is not intended to substitute for sound judgment of experienced professionals.

1. The product is organized in the proper format. Paragraphs and pages are numbered correctly.
2. The text is legible and letter perfect. Language is direct and unambiguous.
3. All acronyms are spelled out the first time used in the text.
4. Referenced documents and reports are available for review.
5. Technical language used in the document/report is standard in the environmental industry and therefore will be understood by the customer.
6. The work called for in the document/report is appropriate given the current site knowledge and purpose of the effort.
7. Product has been prepared in accordance with standard practices, policy and guidelines
8. Additional Comments.



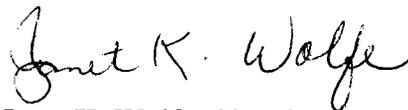
Janet Wolfe

Environmental and Remediation Section

MEMORANDUM FOR RECORD (Attention: Nickolas McHenry)

Subject: Comments on the January 2005 Phase I Hazardous, Toxic, and Radioactive Waste Environmental Site Assessment, Proposed Arnold Avenue Flood Wall Alignment, Floyd County Section 202 Nonstructural Project, Prestonsburg, KY, Draft Report No. 5

1. Section 2. Site Descriptions and Descriptive Findings. Are any of the sites listed in the database search report within the borrow area proposed within the Big Sandy Community College Area?
2. Section 2. Each paragraph that begins with the statement "This area" could be revised to eliminate the general term "This area" and replace it with the actual name of the area.
3. Appendix B, Property Ownership Histories. The information on ownership histories included in Appendix B appear to have been previously obtained. Provide information on the dates the information was gathered and how current it is. Some of the ownership histories appear to list several tract numbers in the column "Tract Number". For instance, for Tract Number 45-20-01-004, the numbers LV0062 & LV0063 also appear in this column. A notation for this should be provided. Some of the ownership histories have missing links. Notations should have been provided to explain that wills, deaths by intestate, etc. were involved. If no further information could be found, it should have been noted. For Tract No. 45-30-02-011, there is, in the Notes column, a notation No. 1, but no explanation has been provided. Also, the tables indicate that some type of numbering system may have been planned for each tract, since the tables show "Page of" but no numbering system is shown.
4. Appendix C, Records of Federal and State Regulatory Agencies. It appears that the LUST database was not included in the report. *Note: Although information on the state database SB 193 has been included and is applicable to petroleum storage tanks, apparently providing for a state fund to provide monies for the clean up of contamination associated with USTs, it seems that there should still be a LUST database for KY sites.*
5. If you have any questions on the above, please let me know.



Janet K. Wolfe, Chemist
Environmental & Remediation Section

MEMORANDUM FOR RECORD (Attention: Janet Wolfe)

Subject: Response to Quality Control Review Comments Presented by Janet Wolfe on the January 2005 Phase I Hazardous, Toxic, and Radioactive Waste Environmental Site Assessment, Proposed Arnold Avenue Flood Wall Alignment, Floyd County Section 202 Nonstructural Project, Prestonsburg, KY, Draft Report No. 5

1. Section 2. Site Descriptions and Descriptive Findings. Are any of the sites listed in the database search report within the borrow area proposed within the Big Sandy Community College Area?

Res. According to the map given on page 7 of the EDR Search there are two UST sites located on/near this area. After investigating this further it was found out that there was clean closure of a 550-gallon UST on the Community College property on 8-2-94. A letter from KYDEP documents the clean closure status of this UST. The other site listed Vito's Bar and Grille, now Vito's Pizza, seems to just be listed on the map near the school, but in actuality it seems to be outside of the city limits of Prestonsburg. It seems to be misplaced on the map.

2. Section 2. Each paragraph that begins with the statement "This area" could be revised to eliminate the general term "This area" and replace it with the actual name of the area.

Res. Concur. This text has been changed to reflect the individual areas rather than just "this area".

3. Appendix B, Property Ownership Histories. The information on ownership histories included in Appendix B appear to have been previously obtained. Provide information on the dates the information was gathered and how current it is. Some of the ownership histories appear to list several tract numbers in the column "Tract Number". For instance, for Tract Number 45-20-01-004, the numbers LV0062 & LV0063 also appear in this column. A notation for this should be provided. Some of the ownership histories have missing links. Notations should have been provided to explain that wills, deaths by intestate, etc. were involved. If no further information could be found, it should have been noted. For Tract No. 45-30-02-011, there is, in the Notes column, a notation No. 1, but no explanation has been provided. Also, the tables indicate that some type of numbering system may have been planned for each tract, since the tables show "Page of" but no numbering system is shown.

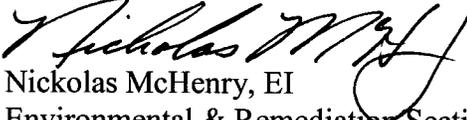
Res. 1) Concur. These were researched by Dan Stark in October-November 2004 and are considered up-to-date. Dan made sure that the files that were from previous reports were current and correct prior to me receiving this project. 2) Concur. The additional numbers were actually the structure numbers that were on each tract. I've since included

the words "Structure Nos." before these to help ease confusion. 3) Concur. Will Stevens helped me insert Dan's text on the deed histories into pages and he just took the text straight off the page and didn't know that when there were gaps he was supposed to get that info from other tract histories. This has been corrected. 4) The terms "Page of" on each of the pages have been removed.

4. Appendix C, Records of Federal and State Regulatory Agencies. It appears that the LUST database was not included in the report. *Note: Although information on the state database SB 193 has been included and is applicable to petroleum storage tanks, apparently providing for a state fund to provide monies for the clean up of contamination associated with USTs, it seems that there should still be a LUST database for KY sites.*

Res. Concur. I contact Nancy Tanner, UST Branch of the KYDEP, and she sent me a list of sites. This list was the SB 193 list and she said that list is Kentucky's equivalent to other states LUST databases, so therefore the SB193 list has LUST sites within it.

5. If you have any questions or comments just let me know.


Nickolas McHenry, EI
Environmental & Remediation Section

HTRWOE Checklist

for

Floyd County, Kentucky Section 202 Nonstructural Project

Project Title: Floyd County Section 202 Nonstructural Project

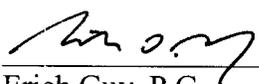
Date: January 20, 2005

Product(s): Phase I HTRW Report on proposed Arnold Avenue Flood Wall Alignment.

Lead Environmental Professional: Nickolas McHenry

This checklist is intended to serve as a general guide for review of HTRWOE products. This checklist is not all inclusive and it is not intended to substitute for sound judgment of experienced professionals.

1. The product is organized in the proper format. Paragraphs and pages are numbered correctly.
2. The text is legible and letter perfect. Language is direct and unambiguous.
3. All acronyms are spelled out the first time used in the text.
4. Referenced documents and reports are available for review.
5. Technical language used in the document/report is standard in the environmental industry and therefore will be understood by the customer.
6. The work called for in the document/report is appropriate given the current site knowledge and purpose of the effort.
7. Product has been prepared in accordance with standard practices, policy and guidelines
8. Additional Comments. — *see attached review comments concerning the draft report.*



Erich Guy, P.G.
Environmental and Remediation Section

MEMORANDUM FOR RECORD

SUBJECT: Review of Draft Report #5, Phase I HTRW Investigation on Proposed Arnold Avenue Flood Wall Alignment, Floyd County Section 202 Nonstructural Project, Prestonsburg, Kentucky, dated January 2005, Prepared by N.McHenry, CELRH EC-CE.

Draft Review Comments:

1. Title page: throughout this report the study is referred to as an investigation, whereas the title page refers to the study as an environmental assessment. Essentially the same thing, but for consistency I suggest replacing environmental assessment with investigation
2. Executive summary, first paragraph (and elsewhere in report body where applicable): Suggest adding "Huntington District" after USACE. When referring to the areas/tracts that were investigated, I suggest mentioning the three general areas that were looked at, and the approximate number of tracts also to give the reader some idea of the magnitude/extent of work. The tract map that is referred to in Appendix A does not have any annotation on it, so the reader, when referred to this map, has nothing to help in the interpretation of it. I would suggest adding a brief description of this map in this paragraph of the executive summary, and then adding a scale and title to the map in the appendix. In this paragraph CELRH also needs to be defined before it is used.
3. Executive summary, investigative findings and recommendations section (and elsewhere in report body where applicable): Provide a description/distance of the location of the closed UST relevant to the CWL. Note the date of conversation with EC-DC (month and year is fine), but important to note in case plans are modified and someone reads this report – then they'll know which version of plans EC-DC was referring to in their statement. Also, what is the approximate depth of the groundwater table in this area; if it is much deeper than 4-5' then this would strengthen the argument. If it is not much deeper than 4-5', then it could be mentioned that seasonal variations in the groundwater table could raise the water table to a depth near the proposed work depth, and workers should be aware of this.
4. Executive summary, references section: The 3rd, 4th, 5th, and 6th references are not cited anywhere in the executive summary. Suggest citing them/referring to them where relevant in the executive summary text.
5. Executive summary, accompanying table (and elsewhere in report body where applicable): There are different fonts used in the first (location) column – suggest making consistent. Also, the date associated with this table will change when this report is finalized.
6. Section 1.1: define ESA before use.
7. Section 1.3: change "were those who" to " were those which" since areas aren't people.
8. Section 1.4, last paragraph: change "the property" to "the properties" since more than one property was investigated.

9. Page 7 and 9 figures: Suggest labeling the river and providing a scale for the figure. Scale could be mentioned in the caption or report text so the figure doesn't need altered.
10. Page 8 figure: there appears to be part of the figure that is missing (a large white rectangle is present in the middle of it). Also, suggest labeling river and providing a scale.
11. Page 9, top paragraph: the "Army Cops of Engineers" needs corrected.
12. Section 4.4.4, last sentence: some sort of justification needs to be provided to support belief that this site won't cause any environmental concerns.
13. Section 4.4.6, first paragraph: a second parenthesis needs placed after (light bulbs.
14. Section 4.4.10, second paragraph: there is discrepancy between number of orphan site(s) in this paragraph; sometimes singular is used, while sometimes plural is used.
15. Section 4.5: change "was reviewed" to "were reviewed"
16. Appendix A: the scanned figure (proposed location of flood wall indicated with a red line) scale should be listed as approximately 1:24K since this figure size was slightly altered from the original; i.e. someone should know this if they are ever measuring distance off it.
17. Appendix F: the last interview record, with Larry Short, indicates environmental concern of some sort at the former Hyden BP gasoline station on Lake Drive. This matter needs to be explained in the text – i.e. what type of concern is the interviewee referring to, and where is this site relative to CWL? After looking into this more, is there any concern with respect to floodwall construction plans?

Erich D. Guy

Erich D. Guy, Ph.D.
Environmental & Remediation Section

MEMORANDUM FOR RECORD

SUBJECT: Response to Quality Control Review Comments of Draft Report #5, Phase I HTRW Investigation on Proposed Arnold Avenue Flood Wall Alignment, Floyd County Section 202 Nonstructural Project, Prestonsburg, Kentucky, dated January 2005.

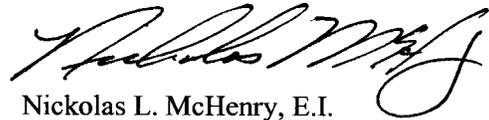
Response to Quality Control Draft Review Comments:

1. Title page: throughout this report the study is referred to as an investigation, whereas the title page refers to the study as an environmental assessment. Essentially the same thing, but for consistency I suggest replacing environmental assessment with investigation
Res. Concur. Replaced environmental assessment as suggested.
2. Executive summary, first paragraph (and elsewhere in report body where applicable): Suggest adding "Huntington District" after USACE. When referring to the areas/tracts that were investigated, I suggest mentioning the three general areas that were looked at, and the approximate number of tracts also to give the reader some idea of the magnitude/extent of work. The tract map that is referred to in Appendix A does not have any annotation on it, so the reader, when referred to this map, has nothing to help in the interpretation of it. I would suggest adding a brief description of this map in this paragraph of the executive summary, and then adding a scale and title to the map in the appendix. In this paragraph CELRH also needs to be defined before it is used.
Res. 1) Concur. General number of tracts and size of area are now given. 2) Concur. Index sheet has been included with the map insert given a brief description of the map, scale, and title. 3) Concur. CELRH is now defined in the text.
3. Executive summary, investigative findings and recommendations section (and elsewhere in report body where applicable): Provide a description/distance of the location of the closed UST relevant to the CWL. Note the date of conversation with EC-DC (month and year is fine), but important to note in case plans are modified and someone reads this report – then they'll know which version of plans EC-DC was referring to in their statement. Also, what is the approximate depth of the groundwater table in this area; if it is much deeper than 4-5' then this would strengthen the argument. If it is not much deeper than 4-5', then it could be mentioned that seasonal variations in the groundwater table could raise the water table to a depth near the proposed work depth, and workers should be aware of this.
Res. 1) Concur. Distance from the CWL to the closed UST is now given. 2) Concur. Date of conversation is now given in the text. 3) Concur. Approximate depth ranging between 15-20' is suspected in this area and has now been given in the text.
4. Executive summary, references section: The 3rd, 4th, 5th, and 6th references are not cited anywhere in the executive summary. Suggest citing them/referring to them where relevant in the executive summary text.
Res. Disagree. I believe these references are more for the readers benefit, showing them where they might go to gain more information concerning a Phase I HTRW Investigation. Not all of them were specifically referenced when creating this report.

5. Executive summary, accompanying table (and elsewhere in report body where applicable): There are different fonts used in the first (location) column – suggest making consistent. Also, the date associated with this table will change when this report is finalized.
Res. 1) Concur. Text has changed to be uniform throughout. 2) Concur. Date of table has been changed.
6. Section 1.1: define ESA before use.
Res. Concur. ESA is now defined prior to usage.
7. Section 1.3: change “were those who” to “ were those which” since areas aren’t people.
Res. Concur. Change has been made as suggested.
8. Section 1.4, last paragraph: change “the property” to “the properties” since more than one property was investigated.
Res. Concur. Change has been made as suggested.
9. Page 7 and 9 figures: Suggest labeling the river and providing a scale for the figure. Scale could be mentioned in the caption or report text so the figure doesn’t need altered.
Res. Concur. The river and scale are now labeled in the caption under the picture.
10. Page 8 figure: there appears to be part of the figure that is missing (a large white rectangle is present in the middle of it). Also, suggest labeling river and providing a scale.
Res. 1) Agree/Disagree. The reason there is a white area is because there are two sections present. The picture was too big to place it as one, so I had to chop it in half. The two sections have now been labeled as Northern Half and Southern Half. 2) Concur. Change has been made. See above comment.
11. Page 9, top paragraph: the “Army Cops of Engineers” needs corrected.
Res. Concur. Change has been made as suggested.
12. Section 4.4.4, last sentence: some sort of justification needs to be provided to support belief that this site won’t cause any environmental concerns.
Res. Concur. Text has been added that provides documentation as to why the no impact statement is correct.
13. Section 4.4.6, first paragraph: a second parenthesis needs placed after (light bulbs.
Res. Concur. Change has been made as suggested.
14. Section 4.4.10, second paragraph: there is discrepancy between number of orphan site(s) in this paragraph; sometimes singular is used, while sometimes plural is used.
Res. Concur. The text has been changed as to refer to one orphan tract.
15. Section 4.5: change “was reviewed” to “were reviewed”
Res. Concur. Change was made as suggested.
16. Appendix A: the scanned figure (proposed location of flood wall indicated with a red line) scale should be listed as approximately 1:24K since this figure size was slightly altered from the original; i.e. someone should know this if they are ever measuring distance off it.
Res. Concur. Scale has been added as suggested.

17. Appendix F: the last interview record, with Larry Short, indicates environmental concern of some sort at the former Hyden BP gasoline station on Lake Drive. This matter needs to be explained in the text – i.e. what type of concern is the interviewee referring to, and where is this site relative to CWL? After looking into this more, is there any concern with respect to floodwall construction plans?

Res. Concur. Text has been added to this interview sheet explaining that this tract is not within the CWL for this section of the floodwall and that a Phase II (b) will be preformed prior to construction activities taking place.

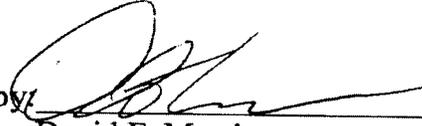


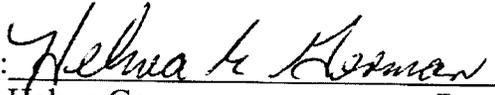
Nickolas L. McHenry, E.I.
Environmental and Remediation Section

APPENDIX E
SITE SAFETY AND HEALTH PLAN

**GENERIC
SITE SAFETY AND HEALTH PLAN
FOR
PHASE I HTRW INVESTIGATIONS
AND
ASBESTOS INSPECTIONS**

Prepared by:
U.S. Army Corps of Engineers
Huntington District
502 8th Street
Huntington, West Virginia 25701-2070

Reviewed by:  4-15-03
David F. Meadows Date
Chief
Environmental and Remediation Section

Approved by:  4/15/2003
Helma German Date
Chief
Safety Office

1.0 INTRODUCTION

1.1 Purpose. The purpose of this Site Safety and Health Plan (SSHP) is to establish personnel protection standards, mandatory safety practices, and procedures for all work conducted in the execution of Phase I HTRW Investigations and Asbestos Inspections. The plan assigns responsibilities, establishes standard operating procedures, and provides emergency procedures while operations are being conducted during these field activities. This SSHP is designed to comply with the USACE Safety and Health Requirements Manual, EM 385-1-1, September 1996.

1.2 Policy. The provisions set forth in this SSHP are mandatory for all personnel who perform or assist in the conduct of this work. All personnel must become familiarized with the requirements of this SSHP prior to performance of any Phase I HTRW Investigations and Asbestos inspections. The SSHP should be amended to be site specific, ie, show local hospital route, site locations, prior to each new field activity.

2.0 SITE DESCRIPTION AND CONTAMINATION CHARACTERISTICS

2.1 General. Sites to be investigated will include residential or commercial properties, civil works sites, former manufacturing facilities, military sites or work for others sites.

2.2 Contamination Characteristics. Investigations and inspections at sites other than typical residential or commercial (non-industrial) should be performed with extreme caution due to the unknown nature of the contaminants. Contamination may range from minor petroleum contamination (fuel spills, motor oil) or improperly disposed household wastes, to more toxic wastes such as PCBs, heavy metals, dioxins, volatiles, and ordnance. Prior to the site visit, the inspection team should assess the hazardous and toxic contamination potential for the site and amend this SSHP, as appropriate. It is noted that intrusive sampling, other than sampling for asbestos containing materials (ACM), is beyond the scope for Phase I HTRW Investigations.

Each site should be thoroughly inspected for any evidence of HTRW contamination, in accordance with the requirements of ASTM E 1528-00. Structures should be inspected for potential ACM and samples taken and analyzed in accordance with USEPA guidance for this work. The site should be thoroughly walked over and inspected for any signs of contamination, such as distressed vegetation, partially buried drums, excavation or fill activities, underground storage tanks, soil staining, etc.

3.0 HAZARD/RISK ANALYSIS

3.1 Chemical Hazards. Inspectors could be exposed to a variety of contaminants; however, due to the non-intrusive nature of a Phase I investigation, the likelihood for exposure is very minimal. Inspectors should not open any drums or underground storage tanks (USTs), nor disturb any other areas of suspect contamination. If a hazardous or toxic condition is evident or suspected, the team should immediately

cease the investigation and notify the Chief, Environmental and Remediation Section. Reentry to the site should not be permitted until the situation has been thoroughly investigated.

ACM inspectors should reduce their exposure to these materials with the use of safe sampling procedures. Inspectors should wear appropriate respiratory protection if the suspect material appears to be friable. The sampling area should be wetted prior to sampling and immediately sealed with a clear, lacquer or other encapsulating material following the sampling activity.

3.2 Accident Prevention. The most significant hazards while performing these investigations will be slip, trips, falls and cuts. These hazards are prevalent due to uneven terrain, weather conditions (rain or snow), dilapidated structures, unstable refuse piles, etc. Inspectors must remain aware of these hazards at all times and should employ use of the "buddy system" when performing these inspections to reduce the possibility of injury. Inspectors should also use sound judgment when inspecting a site and should cease the inspection immediately when human health and safety is jeopardized. Obviously hazardous areas, such as structures with rotted floors, open tanks and drums, confined space entry, etc. will be avoided.

Execution of these field activities will be conducted during both hot and cold temperatures, as well as inclement weather. Investigators should take such precautions as wearing rain suits, layering clothing for cold weather, or wearing loose fitting clothing during hot weather. Since these activities are not particularly physically taxing, workers should not experience heat or cold stress. Frequent breaks in the shade or in a warm vehicle will be possible, as well as replenishing oneself with cold or warm fluids as applicable.

Other hazards to be aware of are biological hazards, such as bees, ticks, snakes, etc., as well as vicious animals. Field work should be abandoned when any of these hazards are present and should not resume until safe site entry can be made.

3.3 Vehicle Operation. Field personnel should require the use of a motor vehicle. All vehicles should be operated in accordance with EM 385-1-1, 18.B. Key points from the Corps safety manual are:

- Operators should exercise defensive driving techniques.
- Seat belts should be worn by all occupants.
- The operator should have the vehicle under control at all times.
- Vehicles should be driven at speeds not greater than the posted legal speed limit, weather permitting.
- Vehicles should not be left unattended until the motor has been shut off and the key removed from the ignition.
- Headlights should be used from sunset until sunrise and during times of adverse weather or sight conditions.
- All equipment should be properly secured.

- Vehicle should be maintained in good working order.
- Personnel should be clear of traffic when exiting the vehicle.

4.0 STAFF ORGANIZATION, QUALIFICATIONS AND RESPONSIBILITIES

4.1 Staff Organization. The Corps inspection team should consist of two field workers, environmental engineers or engineering technicians. If ACM sampling is required, one team member should be certified to conduct this work. Each individual should be responsible as a site safety and health officer due to the minimal hazards associated with this work. Key personnel for this work include:

Section Chief, Environmental and Remediation Section	David F. Meadows, P.E., P.S.
Environmental Engineers	Lisa A. Humphreys (Lead) Frank R. Albert, Jr. P.E. (UST's) Ken Woodard Nickolas McHenry
Chemists	Janet Wolfe
Geologists	Daniel Stark, P.G.
Hydrogeologists	Erich Guy, Ph.D.
Engineering Technicians	Steven L. Thompson (Asbestos) Jo Jane Huff (Asbestos)

Additional personnel may be essential with these work activities, as approved by the Chief, Environmental and Remediation Section.

4.1.1 Section Chief's Responsibilities. For job related injuries which require medical treatment, the Section chief should accompany the injured employee to the medical treatment facility and explain the employee's regular duties and the availability of "Light Duty" so the injured employee can return to work as soon as medically possible.

4.1.2 Employee's Responsibilities. Employees should be required to read this SSHP and comply with all aspects contained herein. Employees should not endeavor to conduct these investigations without use of the "buddy system". Employees should immediately notify the Chief, Environmental and Remediation Section of any hazardous or potentially hazardous incident or working situation. Employees should comply with all property owner's security or clearance requirements. Finally, employees should comply with a property owner's request to vacate the premises, if so directed, and should immediately apprise the Section Chief, Environmental and Remediation Section of this situation.

4.1.3 Reporting and Investigation. All accidents should be reported as soon as possible to the Section Chief. The lead engineer for the investigation should investigate the accident and recommend any corrective actions on ENG Form 3394, furnished to the Safety Office within 2 working days following the accident.

4.2 Training. All investigators have been trained for HTRW work in accordance with 29 CFR 1910.120(e) and receive an annual 8 hr refresher course in hazardous waste site operations. This training meets the requirements of EM 385-1-1, 28.D. All personnel have received Red Cross sponsored first aid and CPR training and are qualified to administer minor first aid treatment, which is considered adequate for these investigations. Training documentation is on file at the District office. Additionally, all personnel have received site-specific training as required in EM 385-1-1, 28.D.03. Inspectors involved in sampling suspect ACM have received USEPA sponsored training that meets the requirements of 40 CFR Part 763 AHERA for purposes of accreditation required under Toxic Substances Control Act (TSCA) Section 206. Inspectors should also receive an annual training refresher and license renewal.

5.0 PERSONAL PROTECTIVE EQUIPMENT (PPE)

5.1 General. All personnel have been issued their own PPE and received training in the proper use of this equipment. Regular inspections of this equipment is the individual's responsibility. Any defective equipment should be reported immediately to the Section chief so that a replacement can be issued. All PPE meets or exceeds the appropriate ANSI standard.

5.2 Protection Requirements. The level of protection for these investigations (no known hazards) are short sleeve shirts, long trouser pants, and steel toed safety shoes or boots. If friable ACM is encountered, then personnel shall back out and re-evaluate the situation. Before directly further addressing a friable ACM situation, personnel shall upgrade to Level C protection. All employees receive regular medical exams to assure that they are physically fit to conduct hazardous waste site investigations or to wear a respirator in accordance with EM 385-1-1, 05.E. and 29 CFR 1910.120. Employees also receive respirator fit testing from the Safety Office.

6.0 MEDICAL SURVEILLANCE

6.1 General. All employees engaged in HTRW activities are required to enter the District's medical surveillance program, which is executed by the Safety and Occupational Health Office. The program is conducted in accordance with EM 385-1-1, Appendix K and 29 CFR 1910.120 and its appendices. The Safety Office contracts with local licensed Occupational Health physicians who are knowledgeable of the physical requirements for hazardous waste site workers.

A baseline physical exam and assessment is conducted to assure that the employee is physically fit to perform the duties required in hazardous waste site operations. This

initial exam includes a complete physical examination of major vital organs, chest x-ray, EKG, complete blood workup, audiogram and pulmonary function tests. The examining physician then furnishes the Safety Office a certification of the employee's ability to perform this work or any restrictions that should be imposed.

Annual exams are then conducted which consist of the physical exam, blood work, audiogram and pulmonary function tests. A chest x-ray and EKG are conducted every third year, or at the discretion of the examining physician. The District Safety Office maintains the medical files for all hazardous waste site workers for a period of 30 years following employment with the Government. Additional, non-scheduled examinations should be conducted, given the following conditions:

- After an employee has been subjected to a known acute exposure of a hazardous or toxic material.
- After an employee has been subjected to a potential acute exposure of a hazardous or toxic material.
- At the request of an employee who feels that he/she has the symptoms of an acute exposure.

7.0 MONITORING

7.1 Air Monitoring. Due to the non-intrusive nature of these investigations, air monitoring should not be required. Employees should avoid areas that may be suspect for collection of toxic vapors such as manholes, confined spaces, etc. Sampling for ACM should be conducted in a controlled manner to eliminate air borne particulates. Employees should use a respirator as required to conduct this work and should not allow unprotected field personnel or the public within any exposure areas.

7.2 Heat/Cold Stress Monitoring. Due to the short term nature of these field investigations, heat or cold stress related problems should not occur. Employees should be able to perform their limited field activities and then seek comfort within a heated or air conditioned vehicle, in shady areas, a nearby building, etc. Employees should bring an adequate supply of drinking water, and drink water regularly while in the field to prevent dehydration.

8.0 STANDARD SAFETY PROCEDURES

Standard safety procedures for these HTRW/ACM activities include:

- Employees shall always use the "buddy system".
- Employees shall never open or tamper with drums, containers, USTs, or any other potential sources of hazardous and toxic substances.
- Employees shall use sound judgment when entering potentially dangerous situations, ie, dilapidated structures, properties with vicious dogs, etc. If any of these situations arise, the investigation should cease until safe site entry can be made.

9.0 SITE CONTROL

These investigations will be conducted on both private, public, and Government property. Site control will not be under the control of the field personnel on public or private property. Personnel should be required to maintain control within the vicinity of ACM sampling activities, however, to protect other field workers and the public.

10.0 PERSONAL HYGIENE AND DECONTAMINATION

Personnel shall adhere to the standard safety procedures noted in Section 8.0 and avoid contact with any potentially hazardous or toxic substances. Personnel shall bring soap and water and sanitizer to the field to allow washing of the skin. If contact is made with minor contaminants, such as petroleum products, normal washing such sanitizer or with soap and water should be adequate. Should contact be made with caustic or acidic substances, personnel shall immediately go to a location where the exposed area of skin can be flushed with the water for 15 minutes and the injured worker then rushed to the local hospital or other medical facility. The location of such facilities is shown on the map included at the end of this plan.

Workers involved with sampling of ACM should take care to avoid contact with any particulates. If exposure occurs, the affected area should be washed with soap and water and sanitizer (see above paragraph) to remove any contamination.

Workers shall always practice good hygiene and be sure to wash their hands prior to eating, drinking, or smoking. They shall also thoroughly wash their face, hands and any other exposed areas following the conduct of daily field activities.

11.0 EQUIPMENT DECONTAMINATION

The equipment necessary to conduct these field activities includes a camera and asbestos sampling tools. Decontamination of the asbestos sampling tools should be accomplished by wiping the tool clean after each sampling activity to avoid any cross contamination between samples. Wiping cloths should be double bagged and disposed of in a sanitary landfill.

12.0 EMERGENCY EQUIPMENT AND FIRST AID

All employees engaged in these activities have received Red Cross sponsored training in minor first aid and CPR. Since the "buddy system" should be employed during these activities, the requirement in EM 385-1-1 to have two employees on the site certified in first aid and CPR should be met. The Government vehicle should be equipped with a first aid kit to treat minor injuries. The first aid kit should be restocked prior to each field investigation and checked to assure that the contents have remained sterile. Field personnel should bring a cell phone to the field for communication

purposes, and should review the site map at the end of this appendix to locate hospitals where phone calls could be place from if necessary.

13.0 EMERGENCY RESPONSE

13.1 General. If an emergency arises that involves a major personal injury, fire or other threat to the surrounding area, local emergency responders should be contacted. Since these activities may be conducted in remote locations, employees must become familiar with the location of the closest medical facility and a direct route to that facility.

13.2 Emergency Contacts:

Prestonsburg Fire Department	(606) 886-1010
Prestonsburg Police Department	(606) 886-1010
Prestonsburg Ambulance Service	(606) 886-6664
Prestonsburg Rescue Squad	(606) 886-8114

13.3 Directions to Hospital:

Highlands Regional Medical Center
PO Box 668
5000 KY Route 321
Prestonsburg, KY 41653
(606) 886-8511

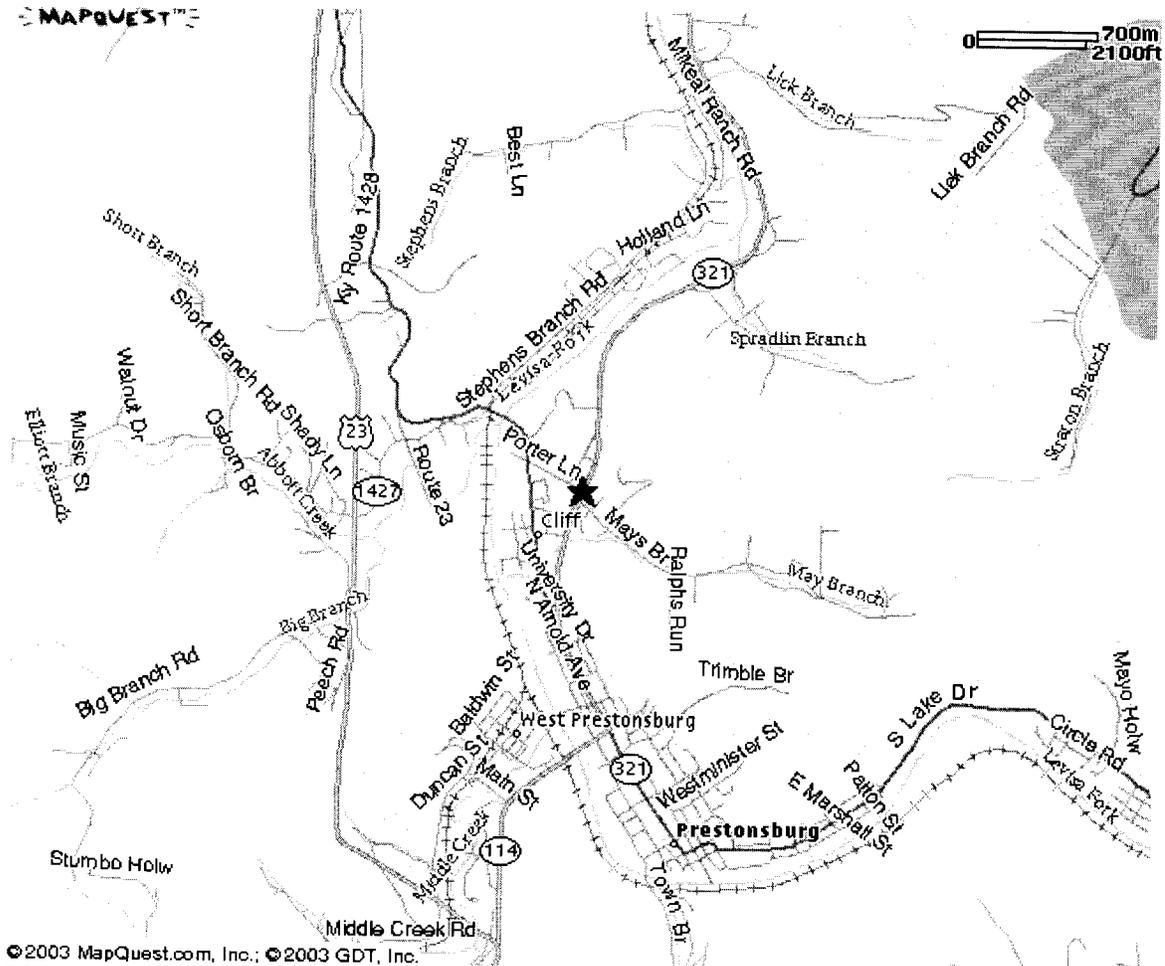
APPENDIX A
JOB HAZARD ANALYSIS

**JOB HAZARD ANALYSIS
FOR
PHASE I HTRW INVESTIGATIONS & ASBESTOS INSPECTIONS**

ACTIVITY	HAZARD	REMEDY
<i>Vehicle operation</i>	<ol style="list-style-type: none"> 1. Inclement weather or visibility hazards. 2. Medication or other drowsiness. 3. Other drivers and traffic. 	<ol style="list-style-type: none"> 1. Always wear seat belts; use headlights from dusk to dawn or in fog; obey posted speed limit; slow down as appropriate; apply 2 second rule (this rule can increase with hazards, e.g. conditions of environment and operator). 2. Never operate a vehicle if medication causes drowsiness; never drive if you are sleepy or otherwise impaired. 3. Use defensive driving techniques; park your vehicle clear from traffic.
<i>Phase I HTRW Inspection</i>	<ol style="list-style-type: none"> 1. Slip, trip and fall 2. Unknown HTRW 3. confined spaces 4. Biological and physical hazards 	<ol style="list-style-type: none"> 1. Assure firm footing; do not climb unstable slopes; wear protective footwear. 2. Never open drums, containers or underground storage tanks for these investigations. 3. Never enter confined spaces for these investigations. 4. Use tick or insect repellent; do not enter sites with vicious animals.
<i>Asbestos sampling</i>	<ol style="list-style-type: none"> 1. Airborne particulates. 2. Cuts or abrasions. 3. Sample cross-contamination. 	<ol style="list-style-type: none"> 1. Adequately wet the sample area prior to sampling; wear respiratory protection as required. 2. Wear protective leather gloves; always use a sharp sampling tool. 3. Thoroughly wipe sampling tools after each sampling activity.

APPENDIX B
HOSPITAL MAP

Highlands Regional Medical Center
PO Box 668
5000 KY Rt. 321
Prestonsburg, KY 41653
(606) 886-8511



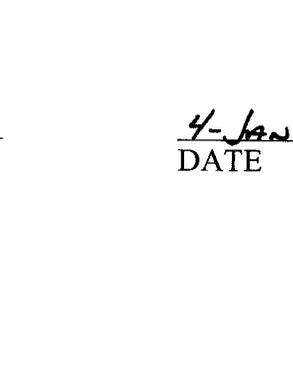
© 2003 MapQuest.com, Inc.; © 2003 GDT, Inc.
Note – Star represents location of hospital.

PLAN ACCEPTANCE FORM
SITE SAFETY AND HEALTH PLAN
FOR

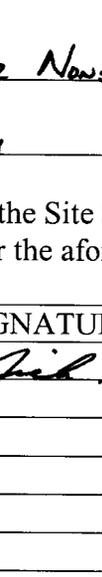
PROJECT NAME: FLOYD Co SECTION 202 NonSTRUCTURAL Project

LOCATION: PRESTONSBURG, KENTUCKY

I have read and agree to abide by the contents of the Site Safety and Health Plan and I attended the have attended the Safety Briefing for the aforementioned site.

NAME (PRINTED)	OFFICE	SIGNATURE	DATE
NICK McHENRY	CELPH EC-CE		4-Jan-05

Person responsible for the safety briefing


SIGNATURE

4-Jan-05
DATE

APPENDIX F
RECORDS OF INTERVIEWS

CONVERSATION RECORD

TIME 11:20

DATE Nov 09, 2004

TYPE	<input type="checkbox"/> VISIT	<input type="checkbox"/> CONFERENCE	<input checked="" type="checkbox"/> TELEPHONE	ROUTING	
				<input type="checkbox"/> INCOMING	NAME/SYMBOL
Location of Visit/Conference:			<input checked="" type="checkbox"/> OUTGOING		
NAME OF PERSON(S) CONTACTED OR IN CONTACT WITH YOU		ORGANIZATION (Office, dept., bureau, etc.)	TELEPHONE NO.		
Russell Wallace		Health & Environmental Supervisor, Floyd Co	606-886-2788		
SUBJECT					
CWL for proposed floodwall, from SR 114 to Prestonsburg Sewage Treatment plant.					

SUMMARY I spoke to Russell Wallace, Health & Environmental Supervisor, Floyd Co Health Department, I asked Mr. Wallace if he knew of any incidents that would have environmentally impacted the CWL for the proposed floodwall. Mr Wallace could not recall any incidents in the area in question.

ACTION REQUIRED

NAME OF PERSON DOCUMENTING CONVERSATION	SIGNATURE	DATE
Don Stark		Nov 10, 2004

ACTION TAKEN

SIGNATURE	TITLE	DATE

CONVERSATION RECORD

TIME
11:00

DATE
Nov 09, 2004

TYPE <input type="checkbox"/> VISIT <input type="checkbox"/> CONFERENCE <input checked="" type="checkbox"/> TELEPHONE <input type="checkbox"/> INCOMING <input checked="" type="checkbox"/> OUTGOING	ROUTING	
	NAME/SYMBOL	INT
Location of Visit/Conference:		
NAME OF PERSON(S) CONTACTED OR IN CONTACT WITH YOU Bobby Carpenter	ORGANIZATION (Office, dept., bureau, etc.) Division of Planning	TELEPHONE NO. 606-886-1010
SUBJECT CWL for proposed floodwall from SR114 to Prest. Sewage treatment facility		

SUMMARY
 I spoke to Bobby Carpenter, Chief of the Division of Planning for Prestonsburg. I asked Mr. Carpenter if he was aware of any incidents in the proposed floodwall CWL that could have environmentally impacted the area. Mr. Carpenter stated that the only thing he could recall were accidents on the State Route 114 bridge (708 in the last 20 years).

ACTION REQUIRED

NAME OF PERSON DOCUMENTING CONVERSATION Dan Stark	SIGNATURE <i>Daniel Stark</i>	DATE Nov 10, 2004
--	----------------------------------	----------------------

ACTION TAKEN

SIGNATURE	TITLE	DATE
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CONVERSATION RECORD

TIME

14:15

DATE

Nov 08, 2004

TYPE <input type="checkbox"/> VISIT <input type="checkbox"/> CONFERENCE <input checked="" type="checkbox"/> TELEPHONE	<input type="checkbox"/> INCOMING <input checked="" type="checkbox"/> OUTGOING	ROUTING	
		NAME/SYMBOL	INT
Location of Visit/Conference:			
NAME OF PERSON(S) CONTACTED OR IN CONTACT WITH YOU	ORGANIZATION (Office, dept., bureau, etc.)	TELEPHONE NO.	
David Ellis	Prestonsburg City Utilities	606-886-6871	
SUBJECT			
Prestonsburg Sewage Treatment facility and water/sewage infrastructure in CWL of northern floodwall align			

SUMMARY

I spoke to David Ellis, manager of Prestonsburg City Utilities. I asked Mr Ellis if there have been any environmental incidents at the Prestonsburg Sewage Treatment facility, or during any maintenance of the sewage/water lines in the CWL for the proposed floodwall, any environmental concerns were encountered. Mr Ellis could not recall any environmental incidents at the Prestonsburg Sewage Treatment facility, or encountering any contamination during maintenance of the sewage/water lines in the area in question.

ACTION REQUIRED

NAME OF PERSON DOCUMENTING CONVERSATION	SIGNATURE	DATE
Don Stark	Daniel O. Stark	Nov 10, 2004

ACTION TAKEN

SIGNATURE	TITLE	DATE

CONVERSATION RECORD

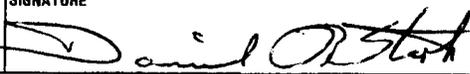
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DATE
Nov 08, 2004

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	NAME/SYMBOL	INT
Location of Visit/Conference:		
NAME OF PERSON(S) CONTACTED OR IN CONTACT WITH YOU Bill Dotson	ORGANIZATION (Office, dept., bureau, etc.) Coordinator 911, Floyd Co	TELEPHONE NO. 606-886-0926
SUBJECT CWL for floodwall alignment from SR114 downstream to Prestonsburg PTW		

SUMMARY I spoke to Bill Dotson, coordinator of the 911 center for Floyd Co. Mr Dotson is a life long resident of Prestonsburg and has been involved with emergency services (fire department, ambulance) most of his life. I asked Mr. Dotson if he knew of any incidents (wrecks, gas spills) or past activities (commercial, industrial) that would have impacted the tracts encompassing the CWL of the floodwall from State Route 114 downstream to the Prestonsburg Sewage Treatment Plant. Mr. Dotson could not recall anything that would have environmentally impacted the area in question.

ACTION REQUIRED

NAME OF PERSON DOCUMENTING CONVERSATION Dan Stark	SIGNATURE 	DATE Nov 10, 2004
--	---	----------------------

ACTION TAKEN

SIGNATURE	TITLE	DATE
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CONVERSATION RECORD

TIME
14:30

DATE
Nov 8, 2004

TYPE

- VISIT CONFERENCE TELEPHONE
 INCOMING
 OUTGOING

ROUTING

NAME/SYMBOL INT

Location of Visit/Conference:

NAME OF PERSON(S) CONTACTED OR IN CONTACT WITH YOU

Tim Johnson

ORGANIZATION (Office, dept., bureau, etc.)

Prestonsburg Fire Dept

TELEPHONE NO.

606-886-7335

SUBJECT

CWL for proposed floodwall from SR 114 to
Prestonsburg Sewage Treatment Plant

SUMMARY

I spoke to Tim Johnson, assistant chief of the Prestonsburg Fire Department. I asked Mr. Johnson if he was aware of any spills, fires, or wrecks that would have environmentally impacted the subject area. Mr. Johnson stated that there have been several wrecks around the State Route 114 bridge but other than that there have been no other incidents in or near the subject area

ACTION REQUIRED

NAME OF PERSON DOCUMENTING CONVERSATION

Dan Stark

SIGNATURE

Daniel O. Stark

DATE

Nov 10, 2004

ACTION TAKEN

SIGNATURE

TITLE

DATE

TYPE <input type="checkbox"/> VISIT <input type="checkbox"/> CONFERENCE <input checked="" type="checkbox"/> TELEPHONE			ROUTING	
<input type="checkbox"/> INCOMING <input checked="" type="checkbox"/> OUTGOING			NAME/SYMBOL	INT
Location of Visit/Conference:				
NAME OF PERSON(S) CONTACTED OR IN CONTACT WITH YOU	ORGANIZATION (Office, dept., bureau, etc.)	TELEPHONE NO.		
Larry Short	KY Dept of Enviro Prot Division of Waste Man	606-435-6022		
SUBJECT				
CWL for northern floodwall alignment, Prestonsburg				

SUMMARY
 I spoke to Larry Short, Inspector for KY EPA, Waste Management Division. I asked Mr. Short if there were any reported environmental concerns in the subject area. Mr. Short stated that the only tract that had any concern was the former Hyden BP gasoline station on Lake Drive.

* IT SHOULD BE NOTED THAT THE HYDEN BP SITE IS NOT LOCATED WITHIN THE CWL FOR THIS PORTION OF THE PROJECT. THIS SITE IS LOCATED AT THE SE CORNER OF THE INTERSECTION OF ROUTE 114 AND LAKE DRIVE. THIS TRACT IS UNDER CONSIDERATION FOR A PHASE (b) INVESTIGATION PRIOR TO CONSTRUCTION. THIS TRACT DOES NOT AFFECT THIS REPORT.

ACTION REQUIRED

NAME OF PERSON DOCUMENTING CONVERSATION	SIGNATURE	DATE
Dan Stark		Nov 10, 2004

ACTION TAKEN

SIGNATURE	TITLE	DATE

APPENDIX G
COLOR PHOTOGRAPHS

Report of Phase I Hazardous, Toxic, and Radioactive Waste Investigation
Floyd County Section 202 Nonstructural Project
Floyd County, Kentucky
Proposed Arnold Avenue Flood Wall Alignment



Photo 1 – View looking west across proposed CWL near Big Sandy Community College.



Photo 2 – View looking south across the Interpretive Nature Trail near Big Sandy Community College.



Photo 3 – View of well looking southeast near Big Sandy Community College.



Photo 4 – View looking west along proposed floodwall alignment near Big Sandy Community College.



Photo 5 – View along walking trail looking east near Big Sandy Community College.



Photo 6 – View looking south along streambank behind Food City store.



Photo 7 – View looking north behind the Food City store.



Photo 8 – View of gas well and exposed piping behind the Food City store.



Photo 9 – View looking south behind residences along the Route 1428 – Prestonsburg HS area.



Photo 10 – View of Community United Methodist Church parking lot (looking east).



Photo 11 – View of new structure being built near Prestonsburg High School.



Photo 12 – View along stream, looking east, near the Prestonsburg High School football field.



Photo 13 – View of AEP substation located near the Prestonsburg High School football field.



Photo 14 – View behind Prestonsburg High School. Exposed pipes in the background are used for stormwater runoff.



Photo 15 – View looking south along Arnold Avenue.



Photo 16 – View looking north along Arnold Avenue.



Photo 17 – View looking south along Arnold Avenue.



Photo 18 – View of typical structures located along Arnold Avenue.

CELRH-EC-CE (1110)

9 February 2005

McHenry/5909

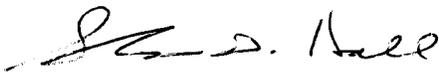
MM

MEMORANDUM FOR CELRH-RE, ATTN:PM-PD-S (Tammy Conforti)

SUBJECT: Phase I HTRW Investigations, Proposed Floyd County Section 202 Project,
Proposed Arnold Avenue Floodwall Alignment in Prestonsburg, Kentucky

1. Enclosed for your reference is the final Phase I HTRW Report dated February 2005 for the subject project. This report documents the Phase I HTRW Investigation results and recommendations for the proposed Arnold Avenue Floodwall Alignment.
2. Based on the findings of the Phase I HTRW Investigation, no potential HTRW concerns were noted on the proposed floodwall alignment as it is currently configured. No further investigations are required for this alignment. If work plans change to include any additional areas that were not investigated for HTRW concerns during this study, then those areas would require a Phase I HTRW investigation before proceeding.
3. If there are any questions concerning this report, please contact Mr. Nickolas McHenry at ext. 5909.

Encl
as
CF:
CELRH-EC-CE
CELRH-EC-C
CELRH EC-DC


For JOHN J. JAEGER, Ph.D., P.E.
Chief, Engineering & Construction Division