PHASE I ENVIRONMENTAL SITE ASSESSMENT

PROPOSED CROSSROADS INDUSTRIAL PARK
SECTION 14, T27N, R32W
JOPLIN, MISSOURI

Prepared for:

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Project Number: 221380

March 13, 2015

PALMERTON & PARRISH, INC.

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1.0 EXECUTIVE SUMMARY

Palmerton & Parrish, Inc. was contracted by Joplin Industrial Development Authority (JIDA) to perform a Phase I Environmental Site Assessment (ESA) on approximately 369 acres of mostly vacant property located in Section 14, Township 27 north, Range 32 west, in Joplin, Jasper County, Missouri (subject property). Palmerton & Parrish prepared this Phase I ESA report in accordance with the criteria set forth in ASTM E 1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. No exceptions or deletions from this practice were noted. Mr. Rob OBrian was the main contact representing JIDA during this assessment.

According to records from the Jasper County Assessorôs office, there are multiple owners of the subject property. The following lists the parcel numbers and corresponding owners of each parcel:

1) 20601400000004000 ï Joplin Industrial Development Corporation
2) 20601400000006000 ï Homer W. Martin and Joplin Industrial Development Corporation
3) 20601400000006001 ï Joplin Industrial Development Corporation
4) 20601400000009000 ï Joplin Industrial Development Corporation

A review of historical land use information and interviews with local government officials indicate that the subject property has historically been vacant land used for agriculture. Farmsteads existed in the northwest corner and southern end of the subject property and many of these buildings remain today. Historic mine maps and records maintained by the Missouri Department of Natural Resources show at least three underground mines existed in the northwest portion of the subject property. Each of these mines would typically have several shafts, prospect holes, and mine tailings dumps. Historic maps and records indicate that several mine shafts, prospect holes, and mine tailings dumps existed in this part of the subject property. Historical aerial photographs from 1959 and 1961 show mine tailings in this area. During the site reconnaissance, mine tailings, known locally as mine chat, was observed in a large pile and scattered throughout the northwest portion of the subject property.

Recently soils on within the northeast portion of the subject property have been excavated for use as fill soil and topsoil on off-site properties. The excavation resulted in the creation of two ponds. Some of these excavated soils remain stockpiled in the southwest corner of the subject property.

The subject property and most of Jasper County are located in the Oronogo-Duenweg Mining Belt NPL site. Intense lead and zinc mining occurred in the Joplin region from the late 1800s to the early 1970s. Corrective action at the NPL site has been focused on lead contamination in residential yards, formation of a rural water district to eliminate the use and construction of private water wells that draw from the contaminated shallow aquifer, and the removal or stabilization of mine, mill, and smelter waste. See the EDR report in Appendix IV and the U.S. Environmental Protection Agency, Oronogo-Duenweg Mining Belt NPL site fact sheet in Appendix VI for a summary of the history of the NPL site, corrective actions taken to date, and government agency contact information.

Palmerton & Parrish reviewed a database search of Federal EPA and State Regulatory Records for the site area from Environmental Data Resources, Inc. (EDR), which was issued on August 28, 2014. The subject property was not listed in any of the databases searched. Several surrounding sites were identified by EDR. Based on the information in the EDR database

records, area topography, and communication with Missouri Department of Natural Resources staff, none of the surrounding properties likely impact the subject property.

Limitations encountered during the site reconnaissance included dense brush and trees in the northwest and southeast quarters of the subject property that prevented close observation of the ground surface.

This assessment has revealed no evidence of recognized environmental conditions in connection with the subject property, except for the following:

- The subject property is located within the Oronogo-Duenweg Mining Belt NPL site. Historical mining of lead and zinc has occurred on the subject property and surrounding properties. Filled mine shafts likely exist in the northwest quarter of the subject property and soils in this area have a high potential of being contaminated with the metals lead and cadmium.

Please note that this recognized environmental condition exists for many properties in the Joplin and Jasper County area. To address soil contamination on properties the Jasper County Health Department and City of Joplin enacted environmental ordinances to address lead and cadmium contamination in residential yards, child occupied facilities, and recreational areas. If the site is developed commercial or industrial, the environmental ordinance regarding surface soils typically does not apply. However, should soils be removed from the subject property during construction, testing of these soils may be required depending on where these soils are to be placed. Mine tailings removed from the site would need to be disposed of at the Jasper County mine waste repository.

This assessment has revealed the following de minimis conditions in connection with the subject property:

- The subject property has several solid waste dumps located to the east of the residence in the northwest portion of the subject property and to the west of the borrow pit near the center of the subject property. It is possible that small consumer quantities of hazardous materials have been included in the solid waste.

A de minimis condition is a condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate government agencies.

A domestic water well exists at the south end of the subject property. Because of the age of the surrounding buildings and lack of records for this well, this well was likely constructed before the State of Missouri began regulating domestic well construction in 1987. This water well should be abandoned according to 10 CSR 23-3.110.

2.0 INTRODUCTION

Palmerton & Parrish, Inc. was contracted by Joplin Industrial Development Authority (JIDA) to perform a Phase I Environmental Site Assessment (ESA) on approximately 369 acres of mostly vacant property located in Section 14, Township 27 north, Range 32 west, in Joplin, Jasper County, Missouri (subject property). Palmerton & Parrish prepared this Phase I ESA report in accordance with the criteria set forth in ASTM E 1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. No exceptions or deletions from this practice were noted. Mr. Rob OôBrian was the main contact representing JIDA during this assessment.

According to records from the Jasper County Assessorôs office, there are multiple owners of the subject property. The following lists the parcel numbers and corresponding owners of each parcel:

1) 20601400000004000 ï Joplin Industrial Development Corporation
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3) 20601400000006001 ï Joplin Industrial Development Corporation
4) 20601400000009000 ï Joplin Industrial Development Corporation

2.1 Purpose

The purpose of this assessment is to identify and assess past and present uses of the subject property and adjacent properties, identify and assess recognized environmental conditions, historical recognized environmental conditions, controlled recognized environmental conditions, and the potential for contamination associated with the subject property and adjacent properties. The American Society for Testing and Materials (ASTM) *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (ASTM E 1527-13) defines recognized environmental conditions as ñthe presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environmentò

2.2 Detailed Scope of Services

This assessment was prepared in conformance with ASTM E 1527-13 and generally accepted consulting practices for Phase I Environmental Site Assessments. A records review was performed consisting of local, state and federal environmental record sources, physical setting sources, and historical use information. A site reconnaissance was conducted to obtain information indicating the likelihood of identifying recognized environmental conditions in connection to the subject property. Local, state and federal agencies were interviewed in an attempt to obtain information about uses and conditions in connection with the subject property. Data collected during the records review, site reconnaissance, and interviews was used to develop a professional opinion regarding the likelihood of environmental impacts on the subject property. This report summarizes the collected data, and presents the findings, opinions, and conclusions that were derived from the collected data.

2.3 Significant Assumptions

Information obtained from others, including government agencies, third-party vendors, the user, and present and past owners and occupants of the property is accepted as true and Palmerton & Parrish, Inc. has no knowledge that the information provided by others is incorrect.

2.4 Limitations and Exceptions

This report has been prepared expressly for Joplin Industrial Development Authority and entities listed in Section 2.6 in accordance with the generally accepted environmental site assessment practices in ASTM E 1527-13. The evaluations and opinions presented herein are based exclusively on information obtained from the site visit, interviews of regulatory officials, area residents, and property owners, as well as reasonably ascertainable public information. In preparing this report, Palmerton & Parrish, Inc., has accepted these data as true information received and warrants that services performed were conducted in a competent and professional manner in accordance with sound and generally accepted consulting practices. Palmerton & Parrish, Inc. cannot warrant the actual site conditions described in this report beyond that which can be confirmed within these limits. The findings presented in this report are based on identifying uses and conditions only to the extent that they may be visually and/or physically observed on a site visit, or to the extent that they are identified by the interviews or record review processes described in ASTM E 1527-13. No exceptions or deletions from ASTM E 1527-13 were noted. This assessment is not a definitive investigation of potential impacts at the subject property and it is possible that unrecognized environmental conditions may exist at the subject property.

Limitations included dense brush and trees in the northwest and southeast quarters of the subject property that prevented close observation of the ground surface.

2.5 Special Terms and Conditions

The user requesting this assessment has placed no special terms and conditions on Palmerton & Parrish, Inc.

2.6 User Reliance

This report can be relied upon by and has been prepared for the exclusive use of Joplin Industrial Development Authority and the City of Joplin.

2.7 Location and Legal Description

The subject property consists of approximately 369 acres located in Section 14, Township 27 North, Range 32 West in Jasper County, Missouri. Figures showing the approximate location of the subject property and surrounding properties on a topographic map and a recent aerial photograph are included in Appendix I. The legal description of each parcel comprising the subject property can be viewed with the title research in Appendix II.

2.8 Site and Vicinity General Characteristics

The subject property is located in a part of the City of Joplin and Jasper County with mixed land use. To the west of the subject property are industrial and commercial properties in the

Crossroads Business and Distribution Park. Other land uses in the area of the subject property include residential, commercial, and agricultural. Site drainage for the subject property and surrounding properties is generally toward Turkey Creek, which runs through the east end of the subject property. See Figure 1 in Appendix I for the site location on a topographic map of the area.

2.9 Current Use of the Subject Property

Currently the subject property is mostly vacant grassland and woodland used for cattle grazing and production of hay. One resident lives in a house in the northwest corner of the subject property.

2.10 Descriptions of Structures, Roads and Other Improvements

Structures on the subject property include the following:

- A residence, garage, and combination garage and cellar in the northwest quarter of the subject property. This house is the residence of Homer Martin, co-owner of the parcel in which these buildings are on. These buildings are accessed by a gravel driveway connected to Prigmore Road.
- Three barns, a combination office and barn, small utility building, well house, silos, and cattle corral at the south end of the subject property. These buildings are accessed by an asphalt driveway connected to Highway FF.

The subject property has access to public water, sewer, natural gas, electric, and communications utilities.

2.11 Current Use of the Adjoining Properties

The subject property is located in a part of Jasper County with mixed land use. To the west of the subject property are industrial and commercial properties in the Crossroads Business and Distribution Park. To the north, northeast, and east of the subject property are agricultural properties with some residences. To the south of the subject property are vacant, residential, and commercial properties. No recognized environmental conditions were noted at these adjoining properties. Figures showing the subject property and surrounding properties on a topographic map and a recent aerial photograph are included in Appendix I.

3.0 USER PROVIDED INFORMATION

A User Questionnaire was completed by Mr. Rob O'Brian and can be viewed in Appendix III.

3.1 Title Records

Title records research was conducted by Abbey Title Company on behalf of the User.

3.2 Environmental Liens or Activity and Use Limitations

No environmental liens or activity and use limitations were identified in the title records or were reported by the User.

3.3 Specialized Knowledge

The User indicated that they had no specialized knowledge about the subject property that would help identify conditions indicating releases or threatened releases of hazardous materials or petroleum products.

3.4 Commonly Known or Reasonably Ascertainable Information

The User indicated that they had no commonly known or reasonably ascertainable information about the subject property that would help identify conditions indicating releases or threatened releases of hazardous materials or petroleum products.

3.5 Valuation Reduction for Environmental Issues

The User was aware of no valuation reduction for environmental issues.

3.6 Owner, Property Manager and Occupant Information

According to records from the Jasper County Assessorôs office, there are multiple owners of the subject property. The following lists the parcel numbers and corresponding owners of each parcel:

1) 20601400000004000 ï Joplin Industrial Development Corporation

2) 20601400000006000 ï Homer W. Martin and Joplin Industrial Development Corporation

3) 20601400000006001 ï Joplin Industrial Development Corporation

4) 20601400000009000 ï Joplin Industrial Development Corporation

The only occupant on the subject property is Mr. Homer Martin. Mr. Martin lives in the residence in the northwest corner of the subject property.

3.7 Reason for Performing Phase I

The User intends to apply for a community development block grant from the U.S. Department of Housing and Urban Development. The Phase I ESA is being performed as part of the owners ñall appropriate inquiryò in order to establish the environmental conditions of the subject property and to provide defense to liability under CERCLA or similar state law.

4.0 RECORDS REVIEW

4.1 Standard Environmental Records Sources

Palmerton & Parrish ordered a database search report from Environmental Data Resources, Inc. (EDR) to assist in identification of recognized environmental conditions on the subject property or within close proximity to the subject property. The database search meets or exceeds the ASTM E 1527-13 approximate minimum search distances for standard environmental record sources. A copy of the EDR report, titled *The EDR Radius Map Report*, issued August 28, 2014 is included in Appendix IV.

Environmental Data Resources, Inc. (EDR) searched the Federal Superfund Liens database as part of their search of available environmental records. No records were found in the Federal Superfund Liens database for the subject property.

A list of standard environmental record sources and approximate minimum search distances required by ASTM E 1527-13 is provided below.

- Federal NPL (National Priorities List) ï 1.0 mile
- Federal Delisted NPL ï 0.5 miles
- Federal CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System) List ï 0.5 miles
- Federal CERCLIS NFRAP (No Further Remedial Action Planned) Site List ï 0.5 miles
- Federal RCRA (Resource Conservation and Recovery Act) CORRACTS (Corrective Action Report) Facilities List ï 1.0 mile
- Federal RCRA non-CORRACTS TSD (Transportation, Storage, & Disposal) Facilities List ï 0.5 miles
- Federal RCRA Generators List ï properties and adjoining properties only
- Federal Institution Control / Engineering Control Registries ï properties only
- Federal ERNS (Emergency Response Notification System) ï properties only
- State and Tribal Lists of Hazardous Waste Sites Identified for Investigation or Remediation ï properties only
- State and Tribal Equivalent NPL ï 1.0 mile
- State and Tribal Equivalent CERCLIS List ï 0.5 miles
- State and Tribal Landfill and/or Solid Waste Disposal Site Lists ï 0.5 miles
- State and Tribal Leaking Storage Tank Lists ï 0.5 miles
- State and Tribal Registered Storage Tank Lists ï properties and adjoining properties
- State and Tribal Institutional Control / Engineering Control Registries ï properties and adjoining properties
- State and Tribal Voluntary Cleanup Sites ï 0.5 miles
- State and Tribal Brownfield sites ï 0.5 miles

A list of the databases searched by EDR is presented in the Executive Summary of the EDR Radius Map report in Appendix III.

The subject property was not listed in any of the databases searched.

The following surrounding properties were listed in the EDR database report:

- **Oronogo-Duenweg Mining Belt – NPL, CERCLIS, US ENG CONTROLS, US INST CONTROLS, ROD**. The subject property and most of Jasper County are located in the Oronogo-Duenweg Mining Belt NPL/CERCLA site. Intense lead and zinc mining occurred in the Joplin region from the late 1800s to the 1970s. Corrective action at

the NPL site has been focused on lead contamination in residential yards, formation of a rural water district to eliminate the use and construction of private water wells that draw from the contaminated shallow aquifer, and the removal or stabilization of mine, mill, and smelter waste. See the EDR report in Appendix IV and the U.S. Environmental Protection Agency, Oronogo-Duenweg Mining Belt NPL site fact sheet in Appendix VI for a summary of the history of the NPL site, corrective actions taken to date, and government agency contact information.

- **Newton County Mine Tailings ï NPL, CERCLIS, US ENG CONTROLS, US INST CONTROLS, ROD**. This site covers mined lands in Newton County, which is directly south of the subject property. The subject property is subject to the controls established by the Oronogo-Duenweg Mining Belt NPL site described above.
- **Eagle Picher Technologies – RCRA-LQG**. This site, adjoining the subject property to the west, is a large quantity generator of hazardous wastes. These wastes appear to be from the production of lithium ion batteries. Violations were reported in the database records that appear to be administrative errors. No spills of hazardous wastes were indicated in the database records.
- **Precision Mastermade Paints Inc – RCRA-SQG**. This site, adjoining the subject property to the west, is a small quantity generator of hazardous wastes. These wastes appear to be from the handling of oil-based paints. No violations were reported in the database records.
- **CFM Home Products – RCRA-CESQG**. This site, adjoining the subject property to the west, is a small quantity generator of hazardous wastes. The database records indicate that flammable and corrosive wastes are generated at this facility. No violations were reported in the database records.

EDR listed twenty (20) orphan sites that were not mapped due to poor or inadequate address information. Information regarding the orphan sites is presented in the Executive Summary section of the EDR report included in Appendix IV. Based upon the information provided, all of the orphan sites appear to be outside the approximate minimum search distances required by ASTM E 1527-13, except for the following:

- **Crossroads Realty Building – NPDES**. This site located to the west of the subject property. This database entry is for the NPDES land disturbance permit obtained by the business park during its development.
- **Crossroads Ctr-Bus and Dist – FINDS**. This site is the business park adjoining the subject property to the west. This database entry appears to be from the NPDES land disturbance permit obtained by the business park during its development.

4.2 Additional Environmental Records Sources

The *Registry of Confirmed Abandoned or Uncontrolled Hazardous Waste Disposal Sites in Missouri,* published by the Missouri Department of Natural Resources (MDNR), was reviewed to identify any sites within a mile of the subject property. No sites were identified in the registry that are within one mile of the subject property.

Historic mine maps and records maintained by the Missouri Department of Natural Resources show at least three mines existed in the northwest portion of the subject property. Each of these mines would typically have several shafts, prospect holes, and mine tailings dumps. Historic maps and records indicate that several mine shafts, prospect holes,

and mine tailings dumps existed at the in this part of the subject property. These mapped features can be viewed on Figure 4 in Appendix I.

Palmerton & Parrish, Inc. performed a preliminary geotechnical investigation with a report dated October 17, 2014. Five soil borings were performed during the investigation in order to collect soil samples for testing of engineering properties. Although no field screening or environmental testing was performed, no obvious signs of chemical contamination was observed in the soil samples.

Mr. Mark Rader with the MDNR Southwest Regional Office submitted a sunshine request to the main MDNR office in Jefferson City for records related to the Eagle Picher Technologies site to the west of the subject property. The Jefferson City MDNR office provided copies of hazardous waste generation and inspection records for the Eagle Picher Technologies property. Violations in the records were for labeling and waste handling and were not the results of spills of hazardous materials or petroleum products.

4.3 Physical Setting

The USGS Joplin East, Missouri Quadrangle Map was reviewed prior to the site reconnaissance, for indications of general surface topography and land use. In addition to the quadrangle map, the following mapped information was reviewed:

- Geologic Map Of Missouri ï Missouri Geological Survey
- Aerial Photography ï United States Geological Survey and Google Earth

The general site area is underlain at depth with Mississippian Age limestones of the Meramecian and Osagean Series. These limestones are typically gray, medium to coarsely crystalline, and thickly bedded with isolated chert layers and nodules. The upper surface of this limestone is often irregular due to the effects of differential vertical weathering and solution activities. Discontinuous beds of Pennsylvanian Shale often overlie the limestone. Overburden soils at the site are typically cherty clay residuum, having developed through chemical and physical weathering of the limestone bedrock. The boundary between overburden soils and comparatively unweathered limestone is usually abrupt, while the boundary between overburden soils and shale is generally a more gradual transition.

The general site area is located within the Springfield Plateau subprovince of the Ozark Plateaus physiographic province, which is characterized by rugged to rolling hill terrain, meandering streams and karst topography. Karst topography forms over areas of carbonate bedrock where groundwater has enlarged openings through dissolution to form a subsurface drainage system. Springs, caves, losing streams and sinkholes are common in karst areas. A sinkhole is defined as a depression in the landscape with an internal drainage system. No sinkhole related depressions were identified on the USGS maps of the subject property area.

The Joplin area is part of the Tri-State Mining District, a currently inactive lead and zinc mining and smelting area encompassing parts of Jasper and Newton Counties in Missouri, extreme southeast Kansas, and northeastern Oklahoma. Mining and smelting activities began as early as 1830, peaked in the years from 1900 through 1950, and continued through the 1970's. Extraction and milling of ore created large piles of mining waste which are contaminated with lead, zinc and cadmium. Mine features including prospect holes, vertical shafts, horizontal drifts, and uncontrolled fill are common in the Joplin area. Many of the mining activities were conducted by small operations with few employees and little or no

records of mine location, depth or configuration of shaft. Several mines were historically located on the subject property and adjacent properties.

The site is located in the Springfield Plateau groundwater province. Hydrogeologic units in the site area from the uppermost to lowermost include the Springfield Plateau aquifer, Ozark confining unit, and the Ozark aquifer. The Springfield Plateau aquifer is an unconfined aquifer recharged by precipitation. Underlying the Springfield Plateau aquifer is the Ozark confining unit, a series of Mississippian age low-permeability formations that greatly restrict the vertical movement of water. Underlying the Ozark confining unit is the Ozark aquifer, which is a confined aquifer consisting of Cambrian and Ordovician age dolomites and sandstones. This aquifer is the most prolific aquifer in southwest Missouri and is the source of potable groundwater for most domestic and public water supplies outside of the City of Joplin.

The MDNR has included all of Jasper and Newton Counties within Special Area 2 due to the contamination of portions of the Springfield Plateau aquifer by one or more of the following contaminants: lead, cadmium, trichloroethylene (TCE), TCE degradation products, or other contaminants. Due to the presence of these contaminants in the Springfield Plateau aquifer, MDNR prohibits the construction of new wells in the Springfield Plateau aquifer, requires more stringent well construction standards for new wells drilled into the Ozark aquifer, and limits the deepening of existing Springfield Plateau aquifer wells.

At least one water well exists at the subject property at the former farmstead located at the extreme south end. Because of the age of the surrounding buildings and lack of records for this well, this well was likely constructed before the State of Missouri began regulating domestic well construction in 1987. It is possible that this well is completed in the Springfield Plateau aquifer.

4.4 Historical Use Information on the Subject Property and Adjoining Properties

Historical research was performed to develop a history of the previous uses of the subject property and surrounding area, in order to help identify the likelihood of past uses having led to recognized environmental conditions in connection with the subject property.

4.4.1 Historical Topographic Maps

Historical topographic maps that include the subject property and vicinity were available from the U.S. Geological Survey. Maps from 1894, 1906, 1963, and 1978 were available for review. The map from 1894 shows the subject property and adjoining properties to be in a rural area to the southeast of the City of Joplin. The map from 1906 shows the subject property and most surrounding properties to be vacant. A road is shown running north-south down the center of the section and a structure is shown in the southeast corner. The map from 1963 shows 3 structures in the northwest corner of the subject property and two structures in the southeast corner of the subject property. Surrounding properties are mostly vacant. I-44 is shown to the north of the subject property. Several mining prospect pits are shown in the northwest corner of the subject property. The map from 1978 shows the subject property and surrounding properties to have changed little since the 1963 map. An additional building is noted at the south end of the subject property and additional roads and buildings are observed to the south of the subject property. Figure 1 in Appendix I shows the subject property on the 1978 topographic map.

4.4.2 Historical Aerial Photographs

Aerial photographs that include the subject property were available from the United States Geological Survey (USGS) and Google Earth. Photographs from 1959, 1961, 1977, 1978, 1980, and 1985 were obtained from the USGS. Photographs from Google Earth were available for the years 1990, 1997, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, and 2014. The following is a summary of what was observed on the historical aerial photographs.

1959-1961 ï The subject property is mostly vacant pasture with farmsteads observed in the northwest corner and south end of the subject property. Many of the buildings of these farmsteads are currently present on the subject property. Mine tailing piles are observed in the northwest corner of the subject property. Adjacent properties are mostly vacant farmland with some residences and farm buildings.

1977-1985 ï The subject property is nearly the same as what is observed in the 1961 photograph. The mine tailings observed on previous photographs are less discernable on these photographs. Adjacent properties are mostly vacant farmland with some residences and farm buildings. The residence at the southeast adjacent property appears in the 1985 photograph.

1990-1997 ï The subject property and surrounding properties appear to have changed little since 1985.

2003-2010 ï The subject property appears to have changed little since 1997, except that tree growth has increased. On the 2003 photograph, what appears to be utility construction is observed at the extreme south boundary of the subject property. The first buildings of the Crossroads Business and Distribution Park to the west appear on the 2003 photograph. Development at the business park increases through subsequent photographs. What appears to be a self-storage building is observed on the southeast adjacent property on the 2006 photograph.

2011-2014 ï The 2011 photograph shows debris scattered throughout the subject property. This debris is from a tornado that struck the Joplin area on May 22, 2011. The roof of the self-storage building on the southeast adjacent property is observed to be missing. This building is completely gone on the 2014 photograph. The photographs from 2011 to 2014 show the subject property mostly as it was observed during the site reconnaissance. The residence previously observed at the south farmstead on the subject property is not observed on the 2014 photograph. The soil borrow pits near the center of the subject property are first observed on the 2014 photograph. An area covered with gravel is observed at the east end of the subject property on the 2012 photograph. Development at adjacent properties progressively develops from the 2011 photograph to 2014. The pet food plant to the southwest of the subject property first appears on the 2014 photograph.

The area of the subject property on the 1961 aerial photograph can be viewed on Figure 3 in Appendix I.

4.4.3 Sanborn Maps

Sanborn maps that include the subject property were not available from EDR or the University of Missouri Digital Library.

4.4.4 City Directories

The subject property is outside of the area included in Joplin area city directories.

5.0 SITE RECONNAISSANCE

A site reconnaissance was performed on September 8 and October 3, 2014. The purpose of the site reconnaissance was to make observations useful in evaluating the presence of recognized environmental conditions in connection with the subject property and adjacent properties. The site reconnaissance was performed by driving and walking across all of the accessible portions of the subject property. Dense brush and trees in the northwest and southeast quarters of the subject property prevented close observation of the ground surface. The interior of all buildings were observed, except for the Homer Martin residence in the northwest corner. Selected photographs taken during the site reconnaissance are presented in Appendix V.

5.1 Hazardous Substances or Petroleum Products

No hazardous substances or petroleum products were observed on the subject property. Petroleum products may have been stored in the diesel fuel AST observed in the southwest corner of the subject property (see next section).

5.2 Underground Storage Tanks (USTs) or Aboveground Storage Tanks (ASTs)

No USTs were observed on the subject property. Three ASTs were observed in the extreme southwest corner of the subject property on September 8, 2014 that had been removed by October 3, 2014. Two of the ASTs were portable 500 gallon plastic totes that formerly contained concrete curing compound. The third AST was a temporary steel AST used to fuel construction equipment with diesel. The AST was of double walled construction and was placed in a plastic lined pit. No petroleum spills were observed at the fuel dispenser or around the AST. See Figure 4 in Appendix I for the approximate former location of the ASTs.

5.3 Odors

No odors indicating a release of hazardous material or petroleum products were detected on the subject property.

5.4 Pools of Liquid

No pools of liquid were observed on the subject property, except for water contained in six (6) ponds on the subject property.

5.5 Drums

One drum was observed on the subject property. This drum contained safety caps that fit over the ends of rebar.

5.6 Hazardous Substance and Petroleum Product Containers

No hazardous substance or petroleum product containers were observed at the subject property.

5.7 Unidentified Substance Containers

No unidentified substance containers were observed on the subject property.

5.8 Liquid and Solid Waste

No liquid wastes were observed at the subject property. Solid wastes observed at the subject property included the following:

- Solid waste in several open dumps to the east of the residence located in the northwest corner of the subject property.
- A solid waste pile and scattered solid waste observed in the borrow area near the center of the subject property.
- A solid waste pile located near the pond located in the southeast corner of the subject property.

5.9 Areas of Staining or Stressed Vegetation

No stressed vegetation was observed at the subject property. Staining was observed where solid waste was burned near the residence in the northwest corner of the subject property.

5.10 Pits, Ponds or Lagoons

No pits or lagoons were observed on the subject property. Six (6) ponds were observed on the subject property.

5.11 Septic Tanks

No septic tanks were observed on the subject property. However, because two residences were located on the subject property since at least the 1960's, the potential exists for old septic systems to be on the subject property.

5.12 Wells

One well was observed on the subject property. The well is inside of a small well house with the farmstead buildings at the south end of the subject property.

5.13 Building Heating and Cooling System

The residence in the northwest corner of the subject property is heated with a conventional natural gas heater and cooled with a conventional air conditioning unit. No other structures on the subject property were heated or cooled.

5.14 Building Interior Stains or Corrosion

No interior stains or corrosion were noted inside of the buildings on the subject property.

5.15 Building Interior Drains and Sumps

No interior drains or sumps were observed inside of the buildings on the subject property.

5.16 Polychlorinated Biphenyl (PCB) Containing Equipment

No PCB containing equipment was observed on the subject property.

5.17 Asbestos Containing Materials

A survey of potential asbestos containing materials was outside of the scope of this Phase I ESA.

6.0 INTERVIEWS

6.1 Interview with Owner

Mr. Rob O'Brian, representing JIDA, was interviewed by telephone and email. Mr. O'Brian stated that JIDA began assembling the land comprising the subject property in 1995 and that these properties were primarily used for livestock grazing. A Phase I ESA done in 1996 identified the mining that occurred in the northwest portion of the subject property and stated that the rest of the subject property was historically used for agriculture. Mr. O'Brian was not aware of any hazardous material or petroleum spills on the subject property.

6.2 Interview with Site Manager

Mr. Rob O'Brian is the manager of the subject property.

6.3 Interviews with Occupants

Mr. Homer Martin, the resident living in the northwest corner of the subject property (parcel 20601400000006000), was interviewed on September 8, 2014. Mr. Martin stated that his parents purchased this parcel in 1984 and that he began living on the parcel just before their death. Mr. Martin stated that he was not aware of any spills of hazardous materials or petroleum products on his parcel or other parts of the subject property.

6.4 Interviews with Local Government Officials

The following agencies were contacted for information regarding the history and any recognized environmental conditions for the subject property and adjacent properties.

- Jasper County Assessor
- City of Duenweg Volunteer Fire Department
- Missouri Department of Natural Resources, Southwest Regional Office

Mr. Mark Rader with the Missouri Department of Natural Resources, Southwest Regional Office was contacted by email regarding his experience and knowledge of hazardous waste issues in the vicinity of the subject property. Mr. Rader stated that he had no knowledge of hazardous waste or petroleum releases on the subject property. Mr. Rader was also asked about RCRA violations at the Eagle Picher Technologies property adjoining the subject property to the west. Mr. Rader stated that records of the RCRA inspections could be reviewed at the Southwest Regional Office and that, to the best of his recollection, these violations were not the result of releases of hazardous materials to the environment. On the Environmental Professionalôs behalf, Mr. Rader submitted a sunshine request to the main MDNR office in Jefferson City. The Jefferson City MDNR office provided copies of hazardous waste generation and inspection records for the Eagle Picher Technologies property. Violations in the records were for labeling and waste handling and were not the results of spills of hazardous materials or petroleum products.

Fire Chief Allyn Reding with the Duenweg Volunteer Fire Department was contacted by email regarding his knowledge and records of hazardous material and petroleum spills at or near the subject property. Mr. Reding responded by telephone on October 28, 2014. Mr. Reding stated that he had no knowledge or records of any incidents involving hazardous materials or petroleum products at the subject property. Mr. Reding has been fire chief since 1998.

6.5 Interviews with Others

No others were interviewed during this Phase I ESA.

7.0 EVALUATION

7.1 Findings and Opinions

A review of historical land use information and interviews with local government officials indicate that the subject property has historically been vacant land used for agriculture. Farmsteads existed in the northwest corner and southern end of the subject property and many of these building remain today. Historic mine maps and records maintained by the Missouri Department of Natural Resources show at least three underground mines existed in the northwest portion of the subject property. Each of these mines would typically have several shafts, prospect holes, and mine tailings dumps. Historic maps and records indicate that several mine shafts, prospect holes, and mine tailings dumps existed at the in this part of the subject property. Historical aerial photographs from 1959 and 1961 show mine tailings in this area. During the site reconnaissance mine tailings, known locally as mine chat, was observed in a large pile and scattered throughout the northwest portion of the subject property. Recently soils on a portion of the subject property have been excavated for use as fill soil and topsoil on off-site properties. The excavation resulted in the creation of two ponds. Some of these excavated soils remain stockpiled in the southwest corner of the subject property.

Palmerton & Parrish reviewed a database search of Federal EPA and State Regulatory Records for the site area from Environmental Data Resources, Inc. (EDR), which was issued on August 28, 2014. The subject property was not listed in any of the databases searched. Several surrounding sites were identified by EDR. Based on the information in the EDR database records, area topography, and communication with Missouri Department of

Natural Resources staff, none of the surrounding properties likely impact the subject property.

The subject property and most of Jasper County are located in the Oronogo-Duenweg Mining Belt NPL site. Intense lead and zinc mining occurred in the Joplin region from the late 1800s to the early 1970s. Corrective action at the NPL site has been focused on lead contamination in residential yards, formation of a rural water district to eliminate the use and construction of private water wells that draw from the contaminated shallow aquifer, and the removal or stabilization of mine, mill, and smelter waste. See the EDR report in Appendix IV and the U.S. Environmental Protection Agency, Oronogo-Duenweg Mining Belt NPL site fact sheet in Appendix VI for a summary of the history of the NPL site, corrective actions taken to date, and government agency contact information.

7.2 Conclusions

Palmerton & Parrish, Inc. has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-13 for approximately 369 acres of mostly vacant property located in Section 14, Township 27 north, Range 32 west, in Joplin, Jasper County, Missouri. Any exceptions to, or deletions from, this practice are described in Section 2.4 of this report.

Limitations encountered during the site reconnaissance included dense brush and trees in the northwest and southeast quarters of the subject property that prevented close observation of the ground surface.

This assessment has revealed no evidence of recognized environmental conditions in connection with the subject property, except for the following:

- The subject property is located within the Oronogo-Duenweg Mining Belt NPL site. Historical mining of lead and zinc has occurred on the northwest quarter of the subject property and surrounding properties. Filled mine shafts likely exist in this portion of the subject property and soils in this area have a high potential of being contaminated with the metals lead and cadmium.

Please note that this recognized environmental condition exists for many properties in the Joplin and Jasper County area. To address soil contamination on properties the Jasper County Health Department and City of Joplin enacted environmental ordinances to address lead and cadmium contamination in residential yards, child occupied facilities, and recreational areas. If the site is developed commercial or industrial the environmental ordinance regarding surface soils typically does not apply. However, should soils be removed from the subject property during construction, testing of these soils may be required depending on where these soils are to be placed. Mine tailings removed from the site would need to be disposed of at the Jasper County mine waste repository.

This assessment has revealed the following de minimis condition in connection with the subject property:

- The subject property has several solid waste dumps located to the east of the residence in the northwest portion of the subject property and to the west of the borrow pit near the center of the subject property. It is possible that small consumer quantities of hazardous materials have been included in the solid waste.

A de minimis condition is a condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate government agencies.

7.3 Deviations

No deviations from ASTM E 1527-13 were noted during the Phase I ESA for the subject property.

7.4 Data Gaps and Data Failures

Data gaps include the lack of interviews of former owners of the subject property. This data gap did not affect the environmental professionalôs ability to form opinions regarding recognized environmental conditions.

7.5 References

Environmental Data Resources, Inc., August 28, 2014, *The EDR Radius Map Report, Crossroads CDBG, Prigmore Road/Apple Road, Joplin, MO 64804, Inquiry Number: 4050803.2s*

Abbey Title Company, August 25, 2014, Title Commitment No. 14-C13104

Abbey Title Company, August 28, 2014, Title Commitment No. 14-C13110

Abbey Title Company, August 28, 2014, Title Commitment No. 14-C13111

Abbey Title Company, August 28, 2014, Title Commitment No. 14-C13112

Palmerton & Parrish, Inc., October 17, 2014, *Preliminary Subsurface Investigation, Crossroads CDBG, Joplin, Missouri, PPI Project Number: 221380*

U. S. Geological Survey (USGS), 1978, 7.5-Minute Topographic Quadrangle Map of the Joplin East Missouri Quadrangle

7.6 Qualifications of Environmental Professionals

Palmerton & Parrish, Inc. is a 55 employee engineering consulting firm headquartered in Springfield, Missouri. The firm operates 4 full-time drill rigs and crews, and has 3 Geotechnical Engineers, 3 Geological Engineers, and 1 Civil Engineer on staff. Palmerton & Parrish has performed over 400 Phase I and Phase II Environmental Assessments in conformance with the general requirements of ASTM E 1527. These assessments have been performed not only in the Southwest Missouri area, but also in the adjoining states of Arkansas, Oklahoma, Kansas, Iowa and Nebraska. The firm has four (4) people with appreciable ESA experience.

The firm principal, Brad R. Parrish, P.E., has 35 years of experience in the geotechnical, civil and environmental fields mostly in the area of southwest Missouri and adjacent states.

7.7 Signatures of Environmental Professionals

Palmerton & Parrish, Inc. declares that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in Section 312.10 of 40 CFR Part 312. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the All Appropriate Inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

3-13-15

Brad R. Parrish, P.E. Date

3/13/15

Donald C. Nowack, P.E., R.G. Date

STATE OF MISSOURI
DONALD C. NOWACK JR.
NUMBER PE-2008019579
PROFESSIONAL ENGINEER

8.0 NON-SCOPE SERVICES

8.1 Recommendations

Palmerton & Parrish recommends no further environmental investigation on the subject property, except what may be required to comply with Jasper County Health Department ordinances regarding the development of mine waste impacted properties.

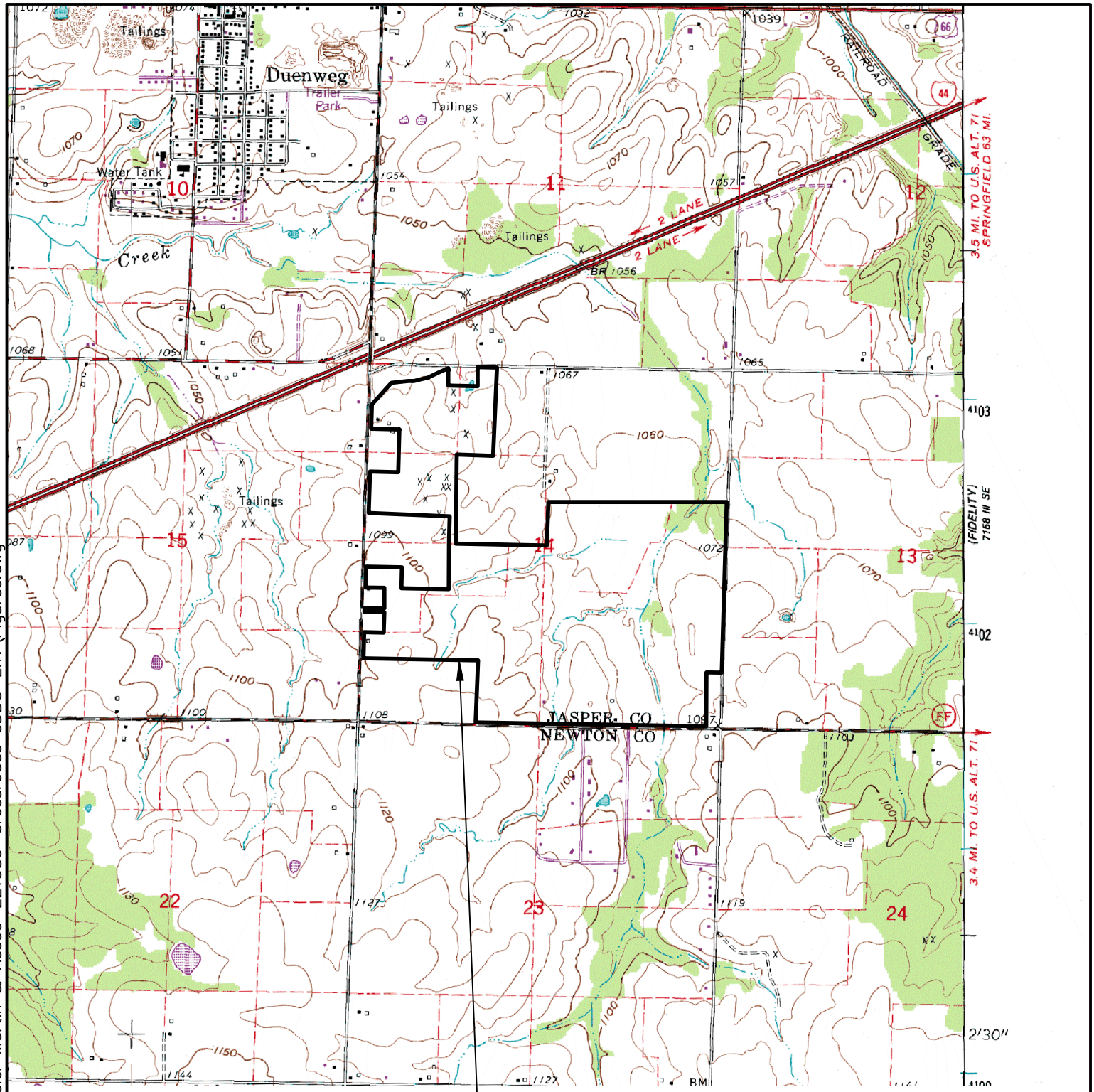
A domestic water well exists at the south end of the subject property. This water well should be abandoned according to 10 CSR 23-3.110.

8.2 Additional Services

Additional services performed by Palmerton & Parrish, Inc. for JIDA include a preliminary geotechnical investigation and a NEPA environmental assessment. No other additional services were performed for the User during this Phase I ESA.

APPENDIX I

SITE VICINITY MAPS



Approximate Subject Property Boundary

Source: USGS Joplin East 7.5 Minute Topographic Quadrangle, 1978

S:_MASTER PROJECT FILE\2014\A\Allgeier Martin & Assoc–221380–Crossroads CDBG–Env\Figures.dwg

SCALE
1"=2000'

Project: Crossroads Industrial Park
Client: Joplin Industrial Development Authority

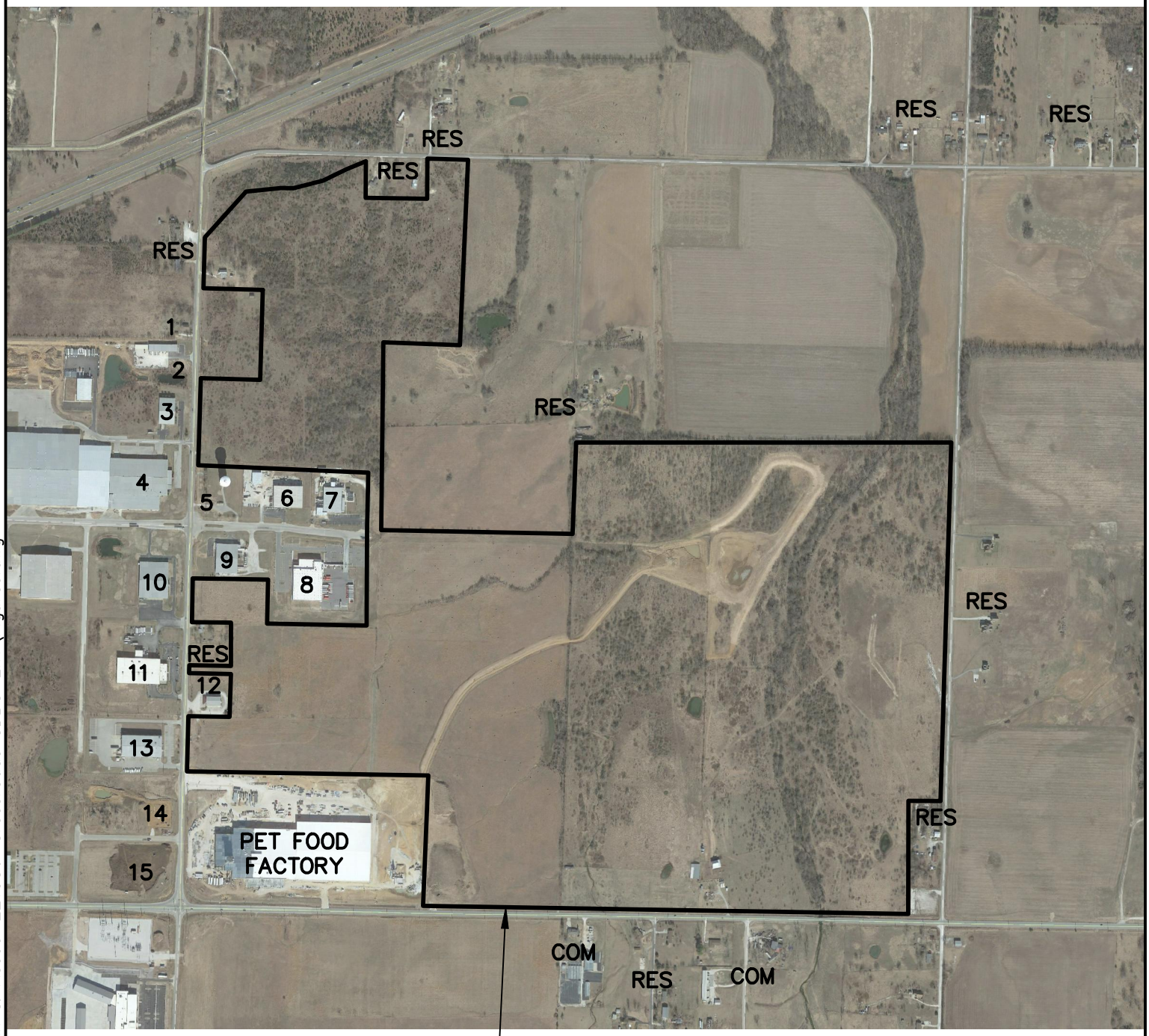
Site Location on Topographic Map

DATE: March 12, 2015

Project Number: 221380

PALMERTON & PARRISH, INC.
GEOTECHNICAL AND MATERIALS ENGINEERS/MATERIALS TESTING LABORATORIES/ENVIRONMENTAL SERVICES

FIGURE 1



Approximate Subject Property Boundary

ADJACENT PROPERTIES:

1 – OFFICE
2 – JOPLIN IND. ELECT.
3 – COMPONENT PACKAGING
4 – JASPER PRODUCTS
5 – WATER TOWER
6 – NEI IND. SERVICES
7 – EAGLE–PICHER TECHNOLOGIES
8 – COKE–A–COLA BOTTLING
9 – PMI COATINGS
10 – BRUNNERS FABRICATION
11 – BEER DISTRIBUTOR
12 – TRUCK REFINISHING
13 – FRITO–LAY
14 – OFFICES
15 – NEW CONSTRUCTION

SCALE
1"=1000'

Project: Crossroads Industrial Park
Client: Joplin Industrial Development Authority

Site Location on Aerial Photograph

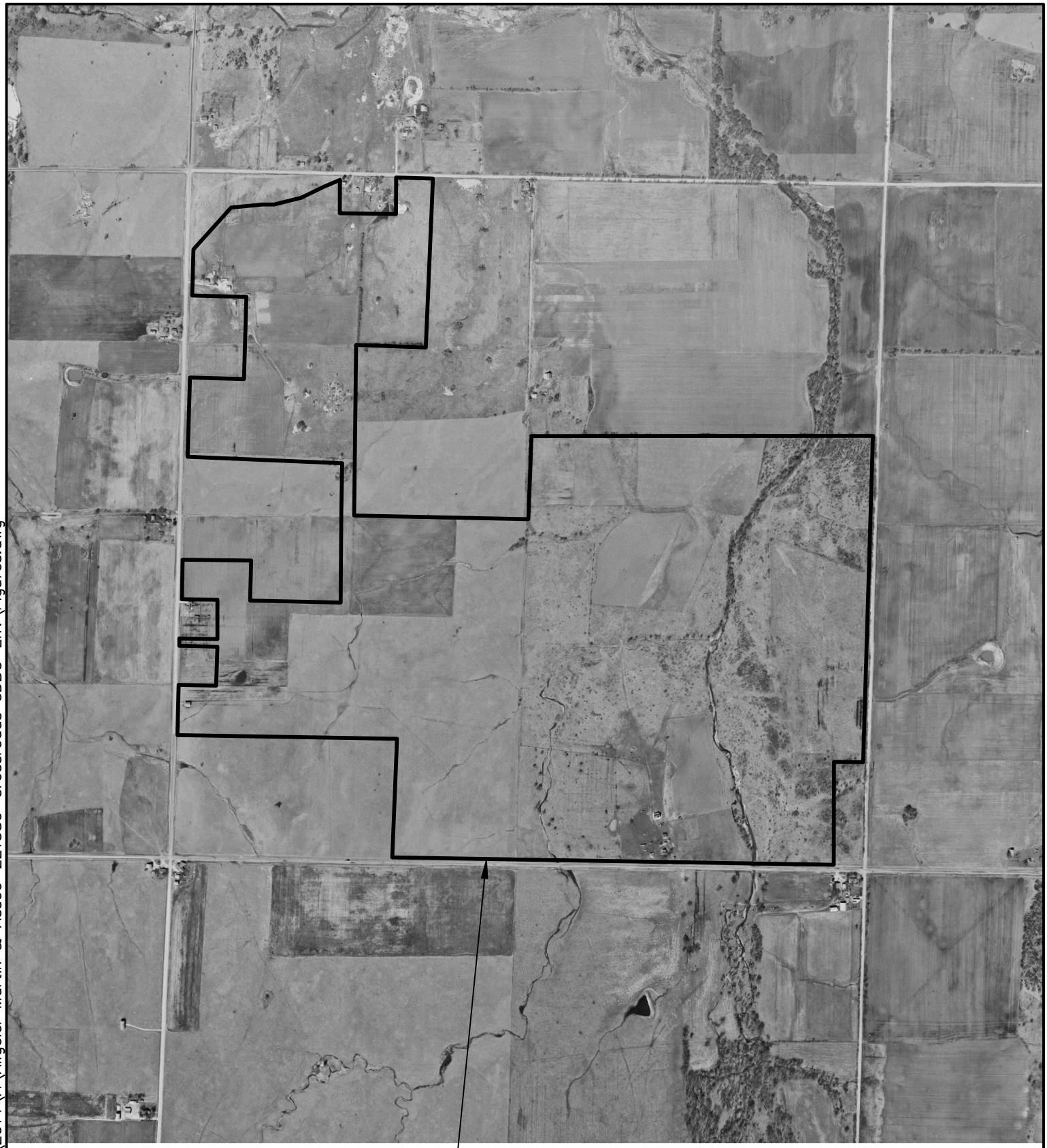
DATE: March 12, 2015

Project Number: 221380

PALMERTON & PARRISH, INC.
GEOTECHNICAL AND MATERIALS ENGINEERS/MATERIALS TESTING LABORATORIES/ENVIRONMENTAL SERVICES

FIGURE 2

S:_MASTER PROJECT FILE\2014\A\Allgeier Martin & Assoc–221380–Crossroads CDBG–Env\Figures.dwg



Approximate Subject Property Boundary

SCALE
1"=1000'

Project: Crossroads Industrial Park
Client: Joplin Industrial Development Authority

Site Location on 1961 Aerial Photograph

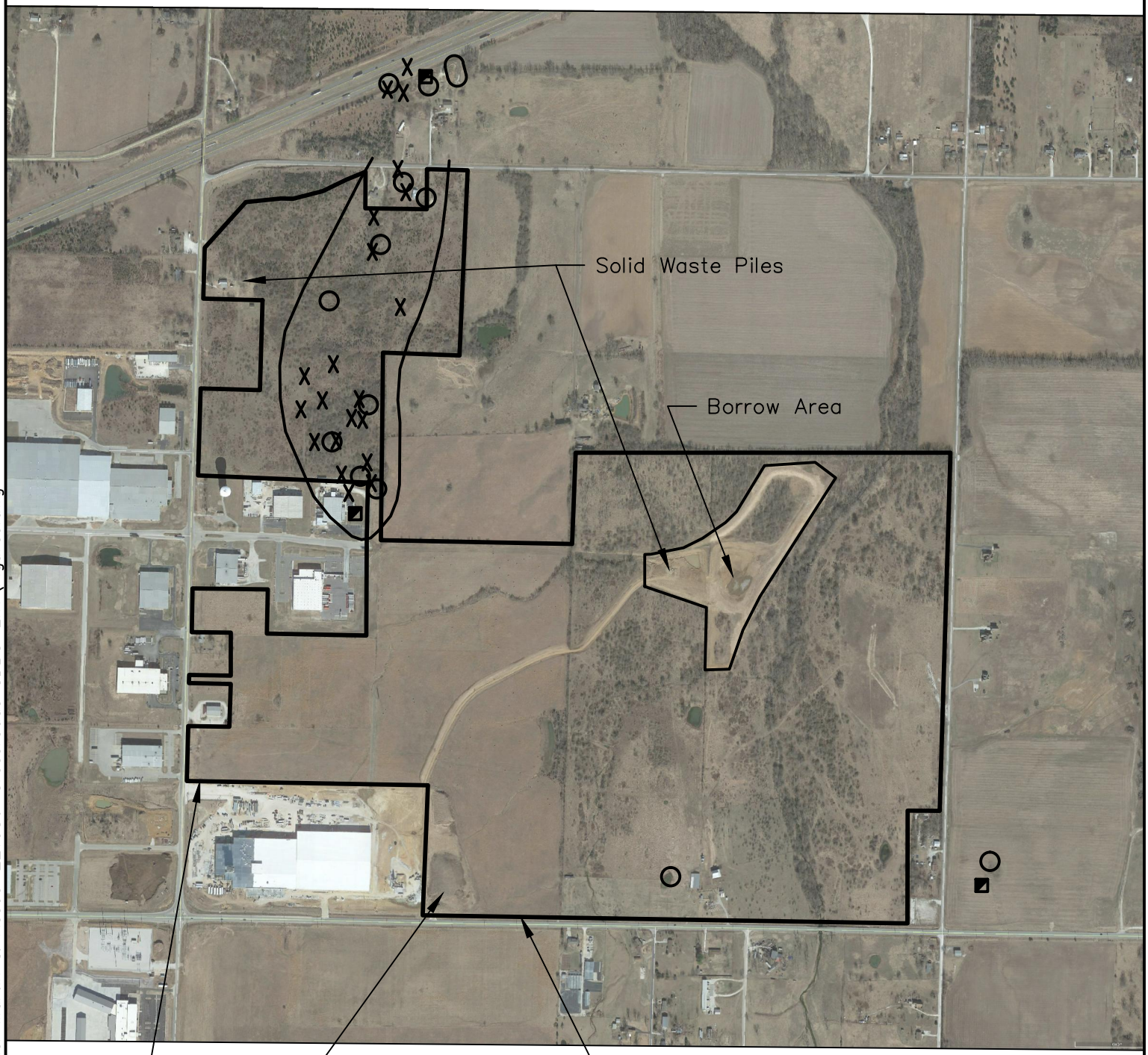
DATE: March 12, 2015

Project Number: 221380

PALMERTON & PARRISH, INC.
GEOTECHNICAL AND MATERIALS ENGINEERS/MATERIALS TESTING LABORATORIES/ENVIRONMENTAL SERVICES

FIGURE 3

S:_MASTER PROJECT FILE\2014\A\Allgeier Martin & Assoc-221380-Crossroads CDBG-Env\Figures.dwg



S:_MASTER PROJECT FILE\2014\A\Allgeier Martin & Assoc-221380-Crossroads CDBG-Env\Figures.dwg

LEGEND

MINE SHAFT
PROSPECT PIT
TAILINGS PILE

SCALE
1"=1000'

Project: Crossroads Industrial Park
Client: Joplin Industrial Development Authority

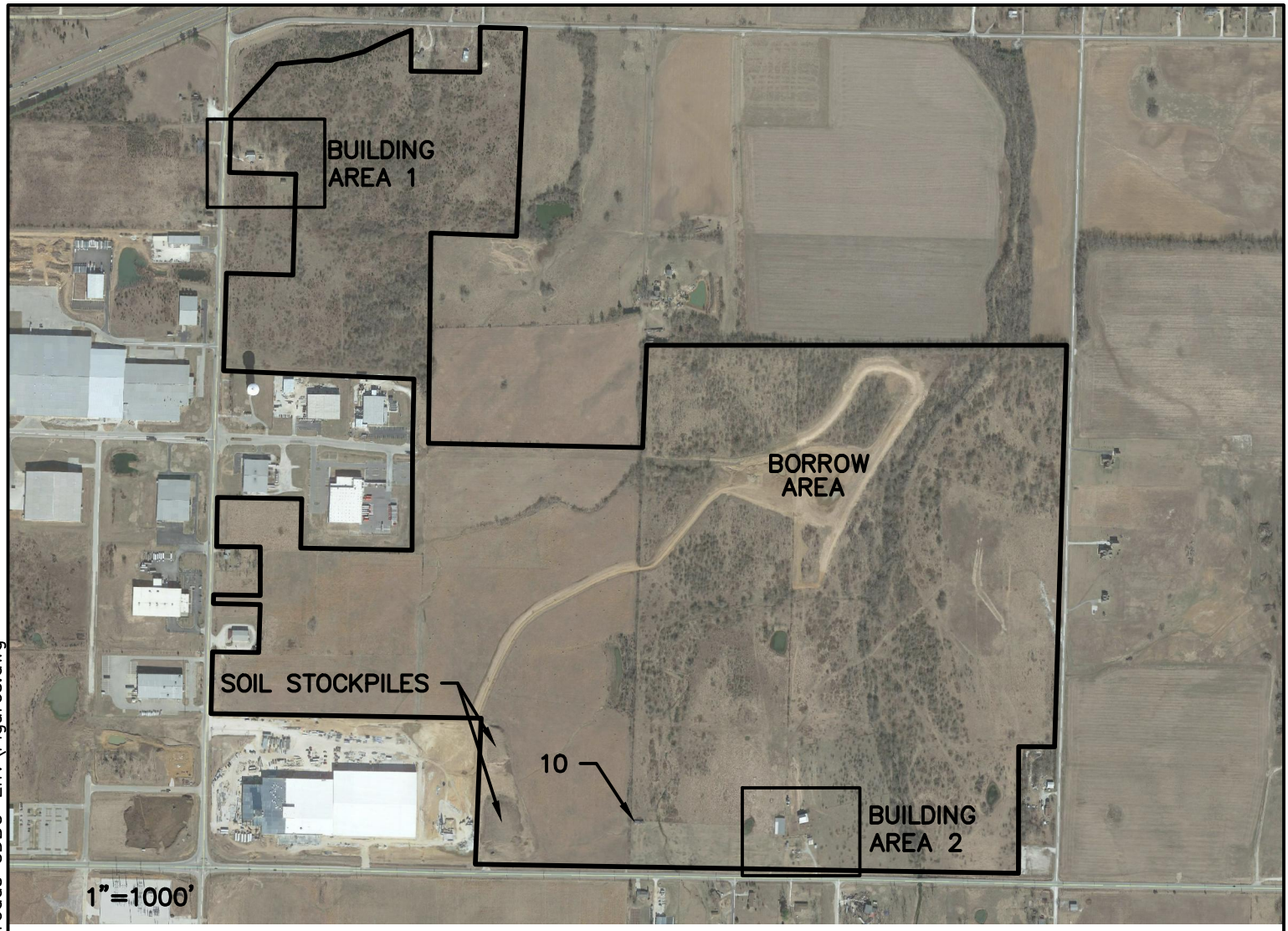
Site Features

DATE: March 12, 2015

Project Number: 221380

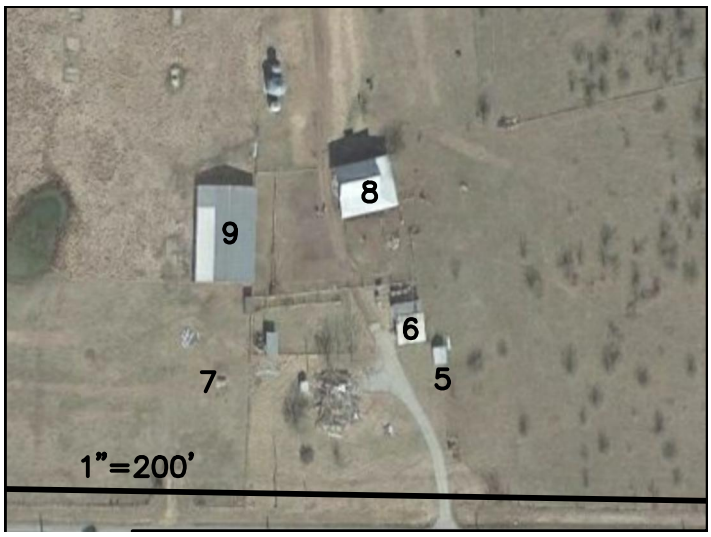
PALMERTON & PARRISH, INC.
GEOTECHNICAL AND MATERIALS ENGINEERS/MATERIALS TESTING LABORATORIES/ENVIRONMENTAL SERVICES

FIGURE 4





BUILDING AREA 1



BUILDING AREA 2

S:_MASTER PROJECT FILE\2014\A\Allgeier Martin & Assoc-221380-Crossroads CDBG-Env\Figures.dwg

SCALE AS SHOWN

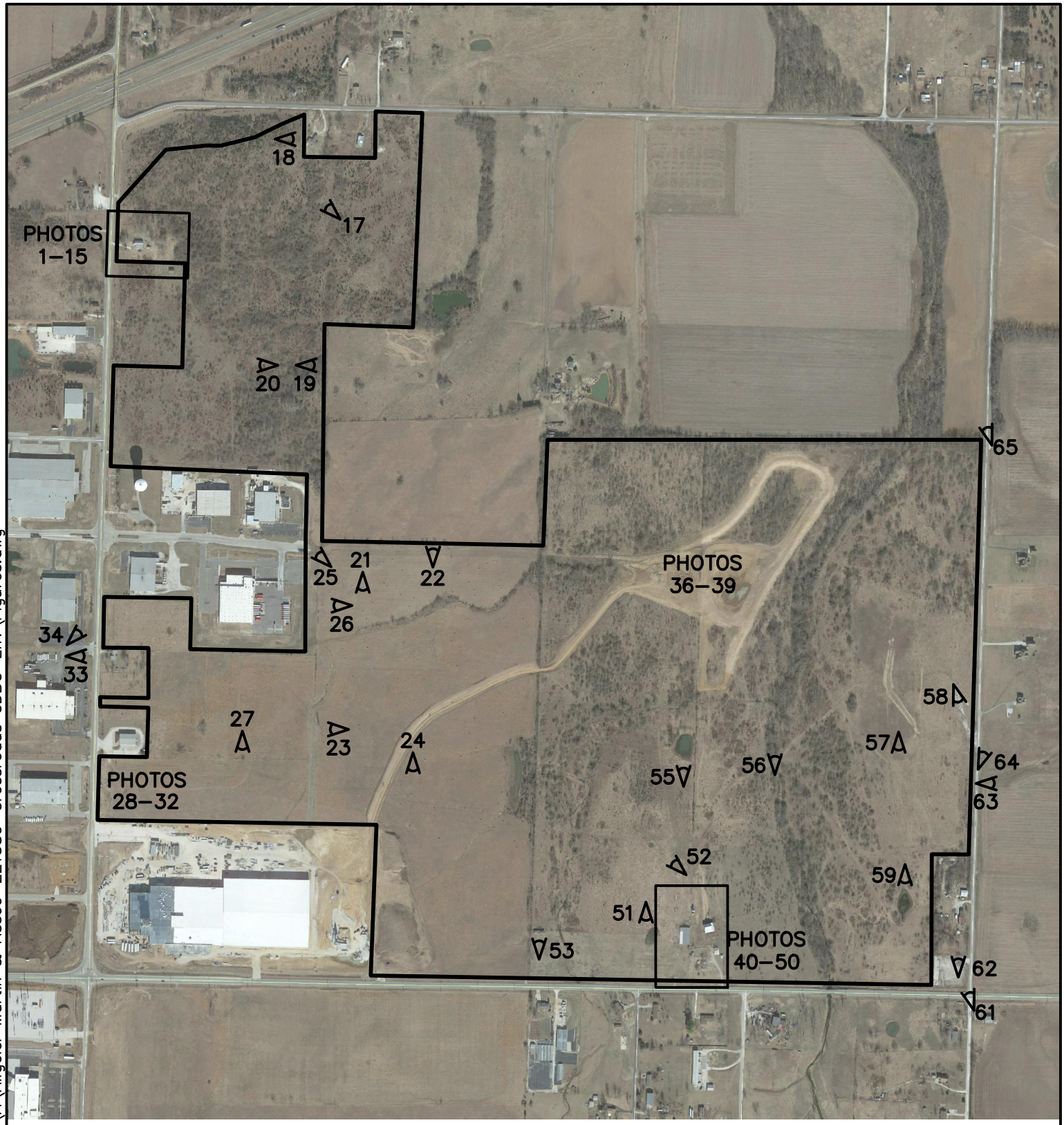
Project: Crossroads Industrial Park
Client: Joplin Industrial Development Authority

Buildings on the Subject Property

DATE: March 12, 2015 Project Number: 221380

PALMERTON & PARRISH, INC.
GEOTECHNICAL AND MATERIALS ENGINEERS/MATERIALS TESTING LABORATORIES/ENVIRONMENTAL SERVICES

FIGURE 5



S:_MASTER PROJECT FILE\2014\A\Allgeier Martin & Assoc–221380–Crossroads CDBG–Env\Figures.dwg

LEGEND

1 Photograph Number and Viewpoint

SCALE 1"=800'

Project: Crossroads Industrial Park
Client: Joplin Industrial Development Authority

Photograph Locations

DATE: March 12, 2015

Project Number: 221380

PALMERTON & PARRISH, INC.
GEOTECHNICAL AND MATERIALS ENGINEERS/MATERIALS TESTING LABORATORIES/ENVIRONMENTAL SERVICES

FIGURE 6

APPENDIX II

LEGAL DESCRIPTION & TITLE RESEARCH

SCHEDULE A

Commitment No.: **14-C13104**
Order No.: **14-C13104**
Effective Date of Commitment: **August 25, 2014 @ 7:00 a.m.**

Inquiries Should be Directed to:

Abbey Title Company
2902 Arizona Avenue P. O. Box 3641
Joplin, Missouri 64803
417-623-1910 Fax 417-623-5777

1. Policy or Policies to be issued: Amount
   (a) [] ALTA Owner's Policy 06-17-2006 **$ To Be Determined**
   Proposed Insured:
   To Be Determined

   (b) [] ALTA Loan Policy 06-17-2006 **$ To Be Determined**
   Proposed Insured:
   To Be Determined

2. The estate or interest in the land described or referred to in this Commitment and covered herein is a Fee Simple.

3. Title to said estate or interest in said land is at the effective date hereof vested in:
   The Industrial Development Authority of the City of Joplin, Missouri, a Corporation Organized Pursuant to the Provisions of Chapter 349, Rsmo.

4. The land referred to in this Commitment is located in the County of **Jasper** State of Missouri and described as follows:

See Continuation Sheet - Schedule A
LEGAL DESCRIPTION

Abbey Title Company
120 E. 4th Street
Carthage, MO 64836
(417) 358-1975
Fax (417)359-5522

COUNTERSIGNED: Beverly Cox

Authorized Officer or Agent

CONTINUATION SHEET
SCHEDULE A

Order Number: 14-C13104
Commitment Number: 14-C13104

Tract 1:
All of a tract of land in the South One-Half of Section 14, Township 27 North, Range 32 West, Jasper County, Missouri, being more particularly described as follows:
Commencing at an Iron Pin found at the Southwest Corner of Section 14, Township 27 North, Range 32 West, Jasper County, Missouri; thence North 00 Degrees 30 Minutes 42 Seconds East, 40.00 feet along the West fine of Section 14; thence South 89 Degrees 58 Minutes 09 Seconds East 35.00 feet to the point of intersection of the East right-of-way line of County Road 190 and the North right-of-way line of Route "FF" and point of beginning; thence North 00 Degrees 30 Minutes 42 Seconds East, 1274.23 feet along the East right-of-way line of County Road 190 to a set Iron Pin; thence South 89 Degrees 58 Minutes 38 Seconds East, 285.00 feet to a set Iron Pin; thence North 00 Degrees 30 Minutes 42 Seconds East, 300.00 feet to a set Iron Pin; thence North 89 Degrees 58 Minutes 38 Seconds West, 285.00 feet to an Iron Pin set on the East right-of-way line of County Road 190; thence North 00 Degrees 30 Minutes 42 Seconds East, 57.25 feet along said right-of-way to a set Iron Pin; thence South 89 Degrees 58 Minutes 38 Seconds East, 285.00 feet to a set Iron Pin; thence North 00 Degrees 30 Minutes 42 Seconds East, 300.00 feet to a set Iron Pin; thence North 89 Degrees 58 Minutes 38 Seconds West, 285.00 feet to an Iron Pin set on the East right-of-way line of County Road 190; thence North 00 Degrees 30 Minutes 42 Seconds East, 618.39 feet along said right-of-way to a set Iron Pin; thence South 89 Degrees 58 Minutes 09 Seconds East, 5259.72 feet to an Iron Pin set on the West right-of-way line of County Road 180; thence South 00 Degrees 43 Minutes 10 Seconds West, 1752.48 feet along said right-of-way to a set Iron Pin; thence South 89 Degrees 23 Minutes 09 Seconds West, 200.04 feet to a set Iron Pin; thence South 00 Degrees 43 Minutes 10 Seconds West, 795.24 feet to an Iron Pin set on the North right-of-way line of Route "FF"; thence North 89 Degrees 58 Minutes 09 Seconds West, 5050.44 feet along said right-of-way to the point of beginning, EXCEPT
A tract of land in the Northwest Quarter of the Southwest Quarter of Section 14, Township 27, Range 32, Jasper County, Missouri, being more fully described as follows: Commencing at an iron pin found as the Southwest corner of Section 14, Township 27, Range 32, Jasper County, Missouri, thence North 00 degrees 54 minutes 45 seconds East, 2272.71 feet along the West line of said Section 14 to the point of beginning, thence North 00 degrees 54 minutes 45 seconds East 300.00 feet, thence South 89 degrees 05 minutes 15 seconds East, 161.00 feet along the South right-of-way line of an access road, thence North 45 degrees 54 minutes 50 seconds East, 35.36 feet along said right-of-way, thence continuing along said right-of-way, South 89 degrees 05 minutes 15 seconds East, 379.00 feet, thence South 00 degrees 54 minutes 45 seconds West, 325.00 feet, thence North 89 degrees 05 minutes, 15 seconds West, 565.00 feet to the point of beginning,

See Continuation Sheet - Schedule A-1

CONTINUATION SHEET
SCHEDULE A-1

Order Number: 14-C13104
Commitment Number: 14-C13104

AND EXCEPT
A tract of land in the Northwest Quarter of the Southwest Quarter of Section 14, Township 27, Range 32, Jasper County, Missouri, being more fully described as follows: Commencing at an iron pin found at the Southwest corner of said Section 14, thence North 00 degrees 54 minutes 45 seconds East 1971.24 feet to the Northwest corner of the South One-half of the Northwest Quarter of the Southwest Quarter of Section 14, thence South 89 degrees 34 minutes 41 seconds East along the North line of said South One-half of the Northwest Quarter of the Southwest Quarter, a distance of 565.00 feet to a point that is South 00 degrees 54 minutes 45 seconds West, 296.63 feet of the Southeast corner of a tract described in Book 1818 at Page 1030, the point of beginning, thence North 00 degrees 54 minutes 45 seconds East 621.63 feet to the Northeast corner of said tract described in Book 1818 at Page 1030, thence South 89 degrees 05 minutes 15 seconds East along the South right-of-way line of East 26th Street(East Alliance Parkway), 221.06 feet, thence South 85 degrees 07 minutes 34 seconds East along the South right-of-way line of East 26th Street(East Alliance Parkway), 464.08 feet, thence South 00 degrees 54 minutes 45 seconds West, 583.71 feet to a point on the North line of said South One-half of the Northwest Quarter of the Southwest Quarter, thence North 89 degrees 34 minutes 41 seconds West along said North line, 684.05 feet to the point of beginning,
AND EXCEPT
A tract of land in the South One-Half of the Southwest Quarter of Section 14, Township 27 North, Range 32 West of the Fifth Principal Base and Meridian in Jasper County, Missouri, being more fully described as follows:
Commencing at the Northwest Corner of said South One-Half of the Southwest Quarter; thence South 01 degrees 38 minutes 53 seconds West along the West line of Section 14, a distance of 380.00 feet; thence South 88 degrees 50 minutes 15 seconds East and parallel with the North line of said South One-Half of the Southwest Quarter, a distance of 45.00 feet to the point of beginning; thence South 88 degrees 50 minutes 15 seconds East and parallel with the North line of said South One-Half of the Southwest Quarter a distance of 1675.00 feet; thence South 01 degrees 38 minutes 53 seconds West and parallel with the West line of Section 14, a distance of 884.60 feet to a point on the North right-of-way line of State Highway FF (32nd Street); thence North 88 degrees 49 minutes 57 seconds West along said right-of-way, 1499.65 feet; thence North 53 degrees 53 minutes 48 seconds West along said right of way, 212.65 feet to a point on the East right-of-way line of County Road 190 (Prigmore Avenue); thence North 01 degrees 38 minutes 53 seconds East along said right-of-way, 762.68 feet to the point of beginning.

See Continuation Sheet - Schedule A-2

CONTINUATION SHEET
SCHEDULE A-2

Order Number: 14-C13104
Commitment Number: 14-C13104

Tract 2:
All of a tract of land in Section 14, Township 27 North, Range 32 West, Jasper County, Missouri, being more particularly described as follows:
Commencing at an Iron Pin found at the Southwest Corner of Section 14, Township 27 North, Range 32 West, Jasper County, Missouri, thence North 00 Degrees 30 Minutes 42 Seconds East 2590.17 feet along the West line of said Section 14; thence South 89 Degrees 29 Minutes 18 Seconds East 35.00 feet to a point on the East right-of-way line of County Road 190 and the point of beginning; thence North 00 Degrees 30 Minutes 42 Seconds East 1712.51 feet along said right-of-way to a set Iron Pin; thence South 89 Degrees 28 Minutes 50 Seconds East 624.68 feet to a set Iron Pin; thence North 00 Degrees 24 Minutes 55 Seconds East 330.00 feet to a set Iron Pin; thence North 89 Degrees 28 Minutes 50 Seconds West 612.83 feet to a set Iron Pin, thence North 00 Degrees 51 Minutes 20 Seconds East 366.25 feet to a right-of-way marker; thence North 31 Degrees 21 Minutes 13 Seconds East 79.02 feet to a right-of-way marker; thence North 66 Degrees 29 Minutes 34 Seconds East 367.39 feet to a right-of-way marker; thence North 89 Degrees 36 Minutes 17 Seconds East 237.14 feet to an Iron Pin Set on the South right-of-way line of Apple Road; thence North 86 Degrees 32 Minutes 09 Seconds East 244.81 feet along said right-of-way to set Iron Pin; thence continuing along said right-of-way, South 89 Degrees 56 Minutes 19 Seconds East 246.05 feet to a set Iron Pin; thence South 00 Degrees 03 Minutes 41 Seconds West 273.01 feet to a set Iron Pin, thence South 89 Degrees 56 Minutes 19 Seconds East 431.27 feet to a set Iron Pin; thence North 00 Degrees 03 Minutes 41 Seconds East 273.01 feet to an Iron Pins set on the South right-of-way line of Apple Road; thence South 89 Degrees 56 Minutes 19 Seconds East 279.75 feet along said right-of-way to a set Iron Pin; thence South 00 Degrees 33 Minutes 36 Seconds West 1285.43 feet to a set Iron Pin; thence North 89 Degrees 59 Minutes 40 Seconds West 531.98 feet to a set Iron Pin; thence South 00 Degrees 32 Minutes 49 Seconds West 1314.44 feet to a set Iron Pin; thence South 89 Degrees 59 Minutes 08 Seconds East 1329.20 feet to a set Iron Pin; thence North 00 Degrees 34 Minutes 47 Seconds East 657.33 feet to a set Iron Pin; thence South 89 Degrees 59 Minutes 21 Seconds East 2638.17 feet to an Iron Pin set on the West Right-of-way line of County Road 180; thence South 00 Degrees 43 Minutes 10 Seconds West 697.59 feet along said right-of-way; thence North 89 Degrees 58 Minutes 09 Seconds West 5259.72 feet to the point of beginning,

See Continuation Sheet - Schedule A-3

CONTINUATION SHEET
SCHEDULE A-3

Order Number: 14-C13104
Commitment Number: 14-C13104

EXCEPT
A tract of land in the Southwest Quarter of the Northwest Quarter of Section 14, Township 27, Range 32, Jasper County, Missouri, being more particularly described as follows: Commencing at an iron pin found at the Southwest corner of Section 14, Township 27, Range 32, Jasper County, Missouri, thence North 00 degrees 54 minutes 45 seconds East a distance of 2,722.71 feet along the West line of said Section 14, thence South 89 degrees 05 minutes 15 seconds East a distance of 80.00 feet to an iron pin set on the proposed East right-of-way line of County Road 190, said point being the true point of beginning; thence North 00 degrees 54 minutes 45 seconds East a distance of 330.00 feet along said proposed right-of-way to an iron pin set at the Northwest corner of the referenced tract, thence South 89 degrees 05 minutes 15 seconds East a distance of 270.00 feet to an iron pin set at the Northeast corner of the referenced tract, thence South 00 degrees 54 minutes 45 seconds West a distance of 355.00 feet to an iron pin set on the North right-of-way line of an access road; thence North 89 degrees 05 minutes 15 seconds West a distance of 164.00 feet along said North right-of-way line to a set iron pin; thence North 44 degrees 05 minutes 20 seconds West a distance of 35.36 feet along said North right-of-way line to a set iron pin, thence North 89 degrees 05 minutes 15 seconds West a distance of 81.00 feet to the point of beginning,
AND EXCEPT
A tract of land located in the Northwest Quarter of Section 14, Township 27 North, Range 32 West, Jasper County, Missouri, being described more fully as follows: Commencing at the West Quarter corner of said Section 14, a found 5/8 inch iron pin, thence North 00 degrees 54 minutes 45 seconds East along the West line of said Quarter Section a distance of 424.25 feet, thence South 89 degrees 05 minutes 15 seconds East a distance of 350.00 feet to the Point of Beginning, thence South 89 degrees 05 minutes 15 seconds East a distance of 467.07 feet, thence South 00 degrees 54 minutes 45 seconds West a distance of 376.96 feet to a point on the North right-of-way line of East Alliance Parkway, thence North 85 degrees 07 minutes 34 seconds West along said right-of-way line a distance of 317.84 feet, thence North 89 degrees 05 minutes 15 seconds West along said right-of-way line a distance of 149.98 feet, thence North 00 degrees 54 minutes 45 seconds East, leaving said right-of-way line, a distance of 355.00 feet to the Point of Beginning,

See Continuation Sheet - Schedule A-4

CONTINUATION SHEET
SCHEDULE A-4

Order Number: 14-C13104
Commitment Number: 14-C3104

AND EXCEPT
A tract of land located in the Northwest Quarter of Section 14, Township 27, Range 32, in Jasper County, Missouri, being described more fully as follows: Commencing at the West Quarter corner of said Section 14, a found 5/8 iron pin, thence North 00 degrees 54 minutes 45 seconds East along the West line of said Quarter Section a distance of 424.25 feet, thence South 89 degrees 05 minutes 15 seconds East, a distance of 817.07 feet to the point of beginning, thence South 89 degrees 05 minutes 15 seconds East a distance of 431.96 feet, thence South 00 degrees 54 minutes 45 seconds West, a distance of 406.87 feet to a point on the North right-of-way line of East Alliance Parkway, a proposed road to Jasper County, Missouri, thence North 85 degrees 07 minutes 34 seconds West, along said right-of-way line, a distance of 433.00 feet, thence North 00 degrees 54 minutes 45 seconds East, leaving said right-of-way line, a distance of 376.96 feet to the point of beginning,
AND EXCEPT
A tract of land located in the Northwest Quarter of Section 14, Township 27, Range 32, Jasper County, Missouri, being described more fully as follows: Commencing at the West Quarter corner of said Section 14, a found 5/8/ inch iron pin; thence North 00 degrees 54 minutes 45 seconds East along the West line of said Quarter Section a distance of 1,064.48 feet, thence South 89 degrees 05 minutes 15 seconds East, a distance of 80.00 feet to a point on the East right-of-way line of County Road 190, the point of beginning; thence North 00 degrees 54 minutes 45 seconds East, along said right-of-way line, a distance of 609.96 feet; thence South 89 degrees 04 minutes 46 seconds East, leaving said right-of-way line, a distance of 389.68 feet, thence South 00 degrees 54 minutes 45 second West, a distance of 609.91 feet, thence North 89 degrees 05 minutes 15 seconds West, a distance of 389.68 feet to the point of beginning.

SCHEDULE B

Commitment Number: **14-C13104**

Schedule B of the policy or policies to be issued will contain exceptions to the following matters unless the same are disposed of to the satisfaction of the Company:

1. Defects, Liens, encumbrances, adverse claims or other matters, if any, created, first appearing in the public records or attaching subsequent to the effective date hereof but prior to the date the proposed Insured acquires for value of record the estate or interest or mortgage thereon covered by this Commitment.

2. **STANDARD EXCEPTIONS:**
   (a) Rights or claims of parties in possession not shown by the public records.

   (b) Easements, or claims of easements, not shown by the public records.

   (c) Encroachments, overlaps, boundary line disputes, or other matters which would be disclosed by an accurate survey.

   (d) Any lien, or right to a lien, for services, labor or material heretofore, or hereafter furnished, imposed by law and not shown by the public records.

   Special Exceptions:
   (a) Taxes.

3. **The lien of General State and County Taxes for the year 2014, due November 1, 2014, delinquent January 1, 2015.**

   Tax ID# 2.200489.0 Parcel# 20-6-14-0-0-9, vs. Tract 1
   The General State and County Taxes for 2013 and prior years are paid. 2013 Tax Amount $1,240.12.

   Tax ID# 2.200484.0 Parcel# 20-6-14-0-0-4, vs. Tract 2
   The General State and County Taxes for 2013 and prior years are paid. 2013 Tax Amount $146.10.

4. **Easement to Southwestern Bell Telephone Company filed February 11, 1966 at 3:21 p.m. in Book 1060 at Page 760, vs. Tract 1.**

5. **Easement to Southwestern Bell Telephone Company filed February 11, 1966 at 3:17 p.m. in Book 1060 at Page 756, vs. Tract 1.**

6. **Easement to Continental Telephone Company filed June 29, 1988 at 8:37 a.m. in Book 1346 at Page 307.**

7. **Right-of-way to the State of Missouri as set forth in instrument dated September 24, 1956 filed December 28, 1956 at 9:44 a.m. in Book 845 at Page 469, vs. Tract 1.**

8. **Right-of-way to the State of Missouri as set forth in instrument dated September 20, 1956 filed December 28, 1956 at 2:35 p.m. in Book 845 at Page 477, vs. Tract 1.**

See Continuation Sheet - Schedule B

CONTINUATION SHEET
SCHEDULE B

Order Number: 14-C13104
Commitment Number: 14-C13104

9. Right-of-way to the County of Jasper as set forth in instrument dated July 27, 1955 filed December 28, 1956 at 2:53 p.m. in Book 845 at Page 496, vs. Tract 1.

10. Right-of-way to the County of Jasper as set forth in instrument dated December 6, 1955 filed January 10, 1956 at 9:27 a.m. in Book 815 at Page 101, vs. Tract 1.

11. Right-of-way to the County of Jasper as set forth in instrument dated December 22, 1955 filed January 10, 1956 at 9:31 a.m. in Book 815 at Page 105.

12. Right-of-way to the County of Jasper as set forth in instrument dated December 13, 1955 filed January10, 1956 at 9:29 a.m. in Book 815 at Page 103, vs. Tract 1.

13. Right-of-way to the County of Jasper as set forth in instrument dated July 25, 1955 filed December 28, 1956 at 3:25 p.m in Book 845 at Page 523.

14. Pole Line Permit to the Empire District Electric Company as set forth in instrument filed December 2, 1936 at 8:01 a.m., in Book 414 at Page 105.

15. Notice of Due-on-sale Provisions as set forth in instrument filed January 16, 1998 at 3:21 p.m. in Book 1550 at Page 1952, vs a portion of Tract 1 and all of Tract 2 and other land.

16. Right-of-way to Missouri Gas Energy as set forth in instrument filed March 22, 2000 at 11:21 a.m. in Book 1627 at Page 117, vs. Tract 1.

17. Declaration of Protective Covenants and Restrictions Affecting Crossroads Center Business and Distribution Park as set forth in instrument filed October 19, 2000 at 3:11 p.m., in Book 1654 at Page 1488, but deleting therefrom any Covenant, Condition or Restriction indicating a preference, limitation or discrimination based on race, color, religion, sex, handicap, familial status or national origin to the extent such covenants, conditions or restrictions violate 42 USC 3604 (C) or any similar state statute or local ordinance, vs. this and other land.

    NOTE: The above Restrictions, Reservations and Covenants contain an error in the legal description of Tract 1.

18. Easement for Water Pipe to Missouri-American Water Company as set forth in instrument filed March 28, 2003 at 2:36 p.m. in Book 1776 at Page 1488, vs. Tract 1.

See Continuation Sheet - Schedule B

CONTINUATION SHEET
SCHEDULE B

Order Number: 14-C13104
Commitment Number: 14-C13104

19. Utility Easement as set forth in instrument filed March 1, 2004 at 9:59 a.m. in Book 1846 at Page 1858, vs. Tract 1.

20. Easement to the Empire District Electric Company filed January 29, 2009 at 9:16 a.m. in Book 2118 at Page 2035, vs. Tract 1.

21. Deed of Trust executed by The Industrial Development Authority of the City of Joplin, Missouri, a Missouri Corporation, dated November 4, 1999, filed November 9, 1999 at 4:00 p.m. recorded in Book 1616 at Page 372, to Michael R. Knight, Trustee for Mercantile Bank National Association, to secure a note in the amount of $1,000,000.00, vs. this and other land.

22. Memorandum of Option and First Refusal Rights as set forth in instrument filed October 26, 2012 at 1:28 p.m. in Book 2261 at Page 623, vs. a portion of Tract 1.

23. The rights of upper and lower riparian owners to the free and unobstructed flow of the water of Turkey Creek, extending through the subject land, without diminution or pollution.

24. Rights of the public, State of Missouri, County and the Municipality in and to that part of the premises in question, if any, taken or used for Highway "FF" a/k/a 32nd Street, vs. Tract 1.

25. Rights of the public, State of Missouri, County and the Municipality in and to that part of the premises in question, if any, taken or used for County Road 190 a/k/a Prigmore Road, vs. Tract 1 and Tract 2.

26. Rights of the public, State of Missouri, County and the Municipality in and to that part of the premises in question, if any, taken or used for Apple Road, vs. Tract 2.

27. Pole Line Permit to Empire District Electric Company as Set Forth in Instrument Recorded in Book 932 at Page 493, vs. Tract 2.

28. Pole Line Permit to Empire District Electric Company as Set Forth in Instrument Recorded in Book 996 at Page 319, vs. Tract 2.

29. Right-of-way Conveyance to State of Missouri as Set Forth in Instrument Recorded in Book 998 at Page 456, vs. Tract 2.

30. Right-of-way Conveyance to the County of Jasper, State of Missouri as Set Forth in Instrument Recorded in Book 998 at Page 454, vs. Tract 2.

31. Right-of-way to the State of Missouri as set forth in instrument dated November 9, 1959 filed February 11, 1960 at 8:51 a.m. in Book 930 at Page 74, vs. Tract 2.

See Continuation Sheet - Schedule B

CONTINUATION SHEET
SCHEDULE B

Order Number: 14-C13104
Commitment Number: 14-C13104

32. Abutter's rights of direct access to Route I-44 from the land, such right of access having been granted to the State of Missouri by the deed filed in Book 930 at Page 74, vs. Tract 2.

33. Easement to Southwestern Bell Telephone Company filed May 25, 1973 at 4:37 p.m. in Book 1166 at Page 706, vs. Tract 2.

34. Easement to the Empire District Electric Company filed June 19, 2013 at 2:22 p.m. in Book 2290 at Page 1509, vs. Tract 2 and other land.

35. Utility Easement to the City of Joplin, a Municipal Corporation and Missouri American Water Company as set forth in instrument filed November 27, 2006 at 3:14 p.m. in Book 2021 at Page 413, vs. Tract 2.

36. Utility Easement to the City of Joplin, a Municipal Corporation and Missouri American Water Company as set forth in instrument filed January 17, 2007 at 12:49 p.m. in Book 2028 at Page 724, vs. Tract 2.

37. Wastewater Easement to the City of Joplin, a Municipal Corporation as set forth in instrument filed March 28, 2008 at 10:48 p.m. in Book 2087 at Page 2121, vs. Tract 2.

38. Easement to the Empire District Electric Company filed February 14, 2014 at 11:13 a.m. in Book 2316 at Page 1342, vs. Tract 2.

39. Easement Agreement as set forth in instrument filed April 22, 2014 at 2:43 p.m. in Book 2322 at Page 1460, vs Tract 2.

40. Utility Easement to City of Joplin, a Municipal Corporation as set forth in instrument filed June 30, 2014 at 1:41 p.m. in Book 2329 at Page 223, vs. Tract 2.

41. Warranty Deed to the State of Missouri as set forth in instrument dated May 27, 2014 filed July 8, 2014 at 9:30 a.m. in Book 2329 at Page 2156, vs. Tract 2.

42. Abutter's rights of direct access to Interstate 44 from the land, such right of access having been granted to the State of Missouri by the deed filed in Book 2329 at Page 2156, vs. Tract 2.

43. Abutter's rights of direct access to County Road 190 from the land, such right of access having been granted to the State of Missouri by the deed filed in Book 2329 at Page 2156, vs. Tract 2.

44. Abutter's rights of direct access to Apple Road from the land, such right of access having been granted to the State of Missouri by the deed filed in Book 2329 at Page 2156, vs. Tract 2.

See Continuation Sheet - Schedule B

CONTINUATION SHEET
SCHEDULE B

Order Number: 14-C13104
Commitment Number: 14-C13104

45. The actual value of the estate or interest to be insured must be disclosed to the Company, and subject to approval by the Company entered as the amount of the policy to be issued. It is agreed that, as between the Company, the applicant for this commitment, and every person relying on this commitment, the amount of the requested policy will be assumed to be $1,000.00 and the total liability of the Company, on account of this commitment, shall not exceed that amount until such time as the actual amount of the policy to be issued shall have been agreed upon and entered as aforesaid and the Company's applicable insurance premium charges for same shall have been paid.

Note: We find no Request for Notice of Foreclosure Sale of record vs. subject property, EXCEPT as set forth in this report.

Note: We find no unsatisfied Federal Tax liens, State Tax Liens, or unsatisfied judgments of record during the past 10 years against the following: The Industrial Development Authority of the City of Joplin, Missouri, a Corporation Organized Pursuant to the Provisions of Chapter 349, Rsmo.

SCHEDULE A

Commitment No.: **14-C13110**
Order No.: **14-C13110**
Effective Date of Commitment: **August 28, 2014 @ 7:00 a.m.**

Inquiries Should be Directed to:

Abbey Title Company
2902 Arizona Avenue P. O. Box 3641
Joplin, Missouri 64803
417-623-1910 Fax 417-623-5777

1. Policy or Policies to be issued: Amount
   (a) [] ALTA Owner's Policy 06-17-2006 **$ To Be Determined**
   Proposed Insured:
   To Be Determined

   (b) [] ALTA Loan Policy 06-17-2006 **$ To Be Determined**
   Proposed Insured:
   To Be Determined

2. The estate or interest in the land described or referred to in this Commitment and covered herein is a Fee Simple.

3. Title to said estate or interest in said land is at the effective date hereof vested in:
   Joplin Industrial Development Corporation, A Missouri Corporation

4. The land referred to in this Commitment is located in the County of **Jasper** State of Missouri and described as follows:

   A tract of land in the Northwest Quarter of the Northwest Quarter of Section 14, Township 27, Range 32, Jasper County, Missouri, being more particularly described as beginning at a point 690 feet North of the Southwest corner of said Northwest Quarter of the Northwest Quarter, thence East 46.35 feet to a found pin on the East line of County Road 190, thence East 612.80 feet, thence South to a found iron pin measured 330.09 feet deed 329 feet, thence West 307.96 feet, thence North 290.02 feet, thence West 305.54 feet, thence North 40 feet to the point of beginning.

Abbey Title Company
120 E. 4th Street
Carthage, MO 64836
(417) 358-1975
Fax (417)359-5522

COUNTERSIGNED: _____

Authorized Officer or Agent

SCHEDULE B

Commitment Number: **14-C13110**

Schedule B of the policy or policies to be issued will contain exceptions to the following matters unless the same are disposed of to the satisfaction of the Company:

1. Defects, Liens, encumbrances, adverse claims or other matters, if any, created, first appearing in the public records or attaching subsequent to the effective date hereof but prior to the date the proposed Insured acquires for value of record the estate or interest or mortgage thereon covered by this Commitment.

2. **STANDARD EXCEPTIONS:**
   (a) Rights or claims of parties in possession not shown by the public records.

   (b) Easements, or claims of easements, not shown by the public records.

   (c) Encroachments, overlaps, boundary line disputes, or other matters which would be disclosed by an accurate survey.

   (d) Any lien, or right to a lien, for services, labor or material heretofore, or hereafter furnished, imposed by law and not shown by the public records.

Special Exceptions:
(a) Taxes.
Tax ID# 2.200486.1000 Parcel# 20-6-14-0-0-6.001

3. **The lien of General State and County Taxes for the year 2014, due November 1, 2014, delinquent January 1, 2015.**

   The General State and County Taxes for 2013 and prior years are paid. 2013 Tax Amount $8.47.

4. **Rights of the public, State of Missouri, County and the Municipality in and to that part of the premises in question, if any, taken or used for County Road 190 a/k/a Prigmore Road.**

5. **Right-of-way to the County of Jasper as set forth in instrument dated December 22, 1955 filed January 10, 1956 at 9:31 a.m. in Book 815 at Page 105.**

6. **Right-of-way to the State of Missouri as set forth in instrument dated November 9, 1959 filed February 11, 1960 at 8:51 a.m. in Book 930 at Page 74.**

7. **Abutter's rights of direct access to Route I-44 from the land, such right of access having been granted to the State of Missouri by the deed filed in Book 930 at Page 74.**

8. **Pole Line Permit to Empire District Electric Company as Set Forth in Instrument Recorded in Book 932 at Page 493.**

See Continuation Sheet - Schedule B

CONTINUATION SHEET
SCHEDULE B

Order Number: 14-C13110
Commitment Number: 14-C13110

9. Pole Line Permit to Empire District Electric Company as Set Forth in Instrument Recorded in Book 996 at Page 319.

10. Easement to Southwestern Bell Telephone Company filed May 25, 1973 at 4:37 p.m. in Book 1166 at Page 706.

11. Wastewater Easement to the City of Joplin, a Municipal Corporation as set forth in instrument filed March 28, 2008 at 10:46 p.m. in Book 2087 at Page 2117.

12. Utility Easement to City of Joplin, a Municipal Corporation as set forth in instrument filed June 30, 2014 at 1:41 p.m. in Book 2329 at Page 220.

13. Utility Easement to City of Joplin, a Municipal Corporation as set forth in instrument filed June 30, 2014 at 1:41 p.m. in Book 2329 at Page 223.

14. Warranty Deed to the State of Missouri as set forth in instrument dated May 27, 2014 filed July 8, 2014 at 9:30 in Book 2329 at Page 2162.

15. The actual value of the estate or interest to be insured must be disclosed to the Company, and subject to approval by the Company entered as the amount of the policy to be issued. It is agreed that, as between the Company, the applicant for this commitment, and every person relying on this commitment, the amount of the requested policy will be assumed to be $1,000.00 and the total liability of the Company, on account of this commitment, shall not exceed that amount until such time as the actual amount of the policy to be issued shall have been agreed upon and entered as aforesaid and the Company's applicable insurance premium charges for same shall have been paid.

Note: We find no Request for Notice of Foreclosure Sale of record vs. subject property, EXCEPT as set forth in this report.

Note: We find no unsatisfied Federal Tax liens, State Tax Liens, or unsatisfied judgments of record during the past 10 years against the following: Joplin Industrial Development Corporation, A Missouri Corporation and Roger W. Martin.

SCHEDULE A

Commitment No.: **14-C13111**
Order No.: **14-C13111**
Effective Date of Commitment: **August 28, 2014 @ 7:00 p.m.**

Inquiries Should be Directed to:

Abbey Title Company
2902 Arizona Avenue P. O. Box 3641
Joplin, Missouri 64803
417-623-1910 Fax 417-623-5777

1. Policy or Policies to be issued: Amount
   (a) [] ALTA Owner's Policy 06-17-2006 **$ To Be Determined**
   Proposed Insured:
   To Be Determined

   (b) [] ALTA Loan Policy 06-17-2006 **$ To Be Determined**
   Proposed Insured:
   To Be Determined

2. The estate or interest in the land described or referred to in this Commitment and covered herein is a Fee Simple.

3. Title to said estate or interest in said land is at the effective date hereof vested in:
   Joplin Industrial Development Corporation, A Missouri Corporation, subject to Life Estate of Homer W. Martin a/k/a Homer Wayne Martin

4. The land referred to in this Commitment is located in the County of **Jasper** State of Missouri and described as follows:

A tract of land in the Northwest Quarter of the Northwest Quarter of Section 14, Township 27, Range 32, Jasper County, Missouri, being more particularly described as beginning at a point 360 feet North of the Southwest corner of the Northwest Quarter of the Northwest Quarter of said Section 14, thence North 330 feet, thence East 659.15 feet, thence South 329.0 feet, thence West 659.75 feet to the point of beginning,
EXCEPT A tract of land in the Northwest Quarter of the Northwest Quarter of Section 14, Township 27, Range 32, Jasper County, Missouri, being more particularly described as beginning at a point 690 feet North of the Southwest corner of said Northwest Quarter of the Northwest Quarter, thence East 46.35 feet to a found pin on the East line of County Road 190, thence East 612.80 feet, thence South to a found iron pin measured 330.09 feet deed 329 feet, thence West 307.96 feet, thence North 290.02 feet, thence West 305.54 feet, thence North 40 feet to the point of beginning.

Abbey Title Company
120 E. 4th Street
Carthage, MO 64836
(417) 358-1975
Fax (417)359-5522

COUNTERSIGNED: Beverly Ast

Authorized Officer or Agent

SCHEDULE B

Commitment Number: **14-C13111**

Schedule B of the policy or policies to be issued will contain exceptions to the following matters unless the same are disposed of to the satisfaction of the Company:

1. Defects, Liens, encumbrances, adverse claims or other matters, if any, created, first appearing in the public records or attaching subsequent to the effective date hereof but prior to the date the proposed Insured acquires for value of record the estate or interest or mortgage thereon covered by this Commitment.

2. **STANDARD EXCEPTIONS:**
   (a) Rights or claims of parties in possession not shown by the public records.

   (b) Easements, or claims of easements, not shown by the public records.

   (c) Encroachments, overlaps, boundary line disputes, or other matters which would be disclosed by an accurate survey.

   (d) Any lien, or right to a lien, for services, labor or material heretofore, or hereafter furnished, imposed by law and not shown by the public records.

   Special Exceptions:
   (a) Taxes.
   Tax ID# 2.200486.0 Parcel# 20-6-14-0-0-6

3. **The lien of General State and County Taxes for the year 2014, due November 1, 2014, delinquent January 1, 2015.**

   The General State and County Taxes for 2013 and prior years are paid. 2013 Tax Amount $675.75.

4. **Rights of the public, State of Missouri, County and the Municipality in and to that part of the premises in question, if any, taken or used for County Road 190 a/k/a Prigmore Road.**

5. **Right-of-way to the County of Jasper as set forth in instrument dated December 22, 1955 filed January 10, 1956 at 9:31 a.m. in Book 815 at Page 105.**

6. **Right-of-way to the State of Missouri as set forth in instrument dated November 9, 1959 filed February 11, 1960 at 8:51 a.m. in Book 930 at Page 74.**

7. **Abutter's rights of direct access to Route I-44 from the land, such right of access having been granted to the State of Missouri by the deed filed in Book 930 at Page 74.**

8. **Pole Line Permit to Empire District Electric Company as Set Forth in Instrument Recorded in Book 932 at Page 493.**

See Continuation Sheet - Schedule B

CONTINUATION SHEET
SCHEDULE B

Order Number: 14-C13111
Commitment Number: 14-C13111

9. Pole Line Permit to Empire District Electric Company as Set Forth in Instrument Recorded in Book 996 at Page 319.

10. Easement to Southwestern Bell Telephone Company filed May 25, 1973 at 4:37 p.m. in Book 1166 at Page 706.

11. Wastewater Easement to the City of Joplin, a Municipal Corporation as set forth in instrument filed March 28, 2008 at 10:46 p.m. in Book 2087 at Page 2117.

12. Easement to the Empire District Electric Company filed June 19, 2013 at 2:22 p.m. in Book 2290 at Page 1513.

13. Utility Easement to City of Joplin, a Municipal Corporation as set forth in instrument filed June 30, 2014 at 1:41 p.m. in Book 2329 at Page 220.

14. Utility Easement to City of Joplin, a Municipal Corporation as set forth in instrument filed June 30, 2014 at 1:41 p.m. in Book 2329 at Page 223.

15. Warranty Deed to the State of Missouri as set forth in instrument dated May 27, 2014 filed July 8, 2014 at 9:30 in Book 2329 at Page 2162.

16. Quit-Claim Deed to the State of Missouri as set forth in instrument dated February 20, 2014 filed March 14, 2014 at 2:03 p.m. in Book 2318 at Page 2363.

17. Abutter's rights of direct access to Route I-44 and County Road 190 from the land, such right of access having been granted to the State of Missouri by the deed filed in Book 2318 at Page 2363.

18. Life Estate of Homer W. Martin a/k/a Homer Wayne Martin as set forth in Warranty Deed filed November 18, 2005 at 2:55 p.m. in Book 1960 at Page 786.

19. The actual value of the estate or interest to be insured must be disclosed to the Company, and subject to approval by the Company entered as the amount of the policy to be issued. It is agreed that, as between the Company, the applicant for this commitment, and every person relying on this commitment, the amount of the requested policy will be assumed to be $1,000.00 and the total liability of the Company, on account of this commitment, shall not exceed that amount until such time as the actual amount of the policy to be issued shall have been agreed upon and entered as aforesaid and the Company's applicable insurance premium charges for same shall have been paid.

See Continuation Sheet - Schedule B

CONTINUATION SHEET
SCHEDULE B

Order Number: 14-C13111
Commitment Number: 14-C13111

Note: We find no Request for Notice of Foreclosure Sale of record vs. subject property, EXCEPT as set forth in this report.

Note: We find no unsatisfied Federal Tax liens, State Tax Liens, or unsatisfied judgments of record during the past 10 years against the following: Joplin Industrial Development Corporation, A Missouri Corporation and Homer W. Martin and Grace E. Martin.

APPENDIX III
USER QUESTIONNAIRE

Subject Property: 374 Acres, Section 14, T27N, R32W, Jasper County, MO

USER QUESTIONNAIRE

(1.) Environmental liens that are filed or recorded against the *property* (40 CFR 312.25).
Did a search of *recorded land title records* identify any environmental liens filed or recorded against the *property* under federal, tribal, state or local law?
NONE INDICATED

(2.) Activity and use limitations that are in place on the *property* or that have been filed or recorded against the *property* (40 CFR 312.26(a)(1)(v) and (vi)).
Did a search of *recorded land title records* identify any Activity and Use Limitations (AULs), such as *engineering controls*, land use restrictions or *institutional controls* that are in place at the *property* and/or have been filed or recorded against the *property* under federal, tribal, state or local law?
There are park Covenants recorded with the county and attached to each sale

(3.) Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28).
Do you have any specialized knowledge or experience related to the *property* or nearby properties? For example, are you involved in the same line of business as the current or former *occupants* of the *property* or an *adjoining property* so that you would have specialized knowledge of the chemicals and processes used by this type of business?
YES

(4.) Relationship of the purchase price to the fair market value of the property if it were not contaminated (40 CFR 312.29).
Does the purchase price being paid for this *property* reasonably reflect the fair market value of the *property*? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the *property?*
N.A.

(5.) Commonly known or *reasonably ascertainable* information about the *property* (40 CFR 312.30).
Are you aware of commonly known or *reasonably ascertainable* information about the *property* that would help the *environmental professional* to identify conditions indicative of releases or threatened releases? For example,

(a.) Do you know the past uses of the *property*?
YES

(b.) Do you know the specific chemicals that are present or once were present at the *property*?
NONE KNOWN

(c.) Do you know of spills or other chemical releases that have taken place at the *property*?
NONE KNOWN

(d.) Do you know of any environmental cleanups that have taken place at the *property*?
NONE

(6.) The degree of obviousness of the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).
Based on your knowledge and experience related to the *property* are there any *obvious* indicators that point to the presence of likely presence of releases at the *property*?
NONE

Subject Property: 374 Acres, Section 14, T27N, R32W, Jasper County, MO

USER QUESTIONNAIRE

Page 2

Respondent(s)

Name: Rob O'Brien Title/Organization: Vice President - Joplin Industrial Development Authority

Address: 320 E. 4th St., Joplin, MO 64801

Telephone: 417-624-4150

Signature: ROB

Date: 2-27-15

Please return to: Palmerton & Parrish, Inc., (417) 864-6000 ph; (417) 864-6004 fax

APPENDIX IV

EDR DATABASE REPORT

Crossroads CDBG
Prigmore Road/Apple Road
Joplin, MO 64804

Inquiry Number: 4050803.2s
August 28, 2014

The EDR Radius Map™ Report

EDR® Environmental Data Resources Inc

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

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Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

GeoCheck - Not Requested

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

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This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

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EXECUTIVE SUMMARY

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

TARGET PROPERTY INFORMATION

ADDRESS

PRIGMORE ROAD/APPLE ROAD
JOPLIN, MO 64804

COORDINATES

Latitude (North):	37.0666000 - 37° 3' 59.76''
Longitude (West):	94.4021000 - 94° 24' 7.56''
Universal Tranverse Mercator:	Zone 15
UTM X (Meters):	375349.1
UTM Y (Meters):	4102976.5
Elevation:	1079 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	37094-A4 JOPLIN EAST, MO
Most Recent Revision:	1978

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20120625
Source:	USDA

TARGET PROPERTY SEARCH RESULTS

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

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

Proposed NPL---------- Proposed National Priority List Sites

EXECUTIVE SUMMARY

NPL LIENS ---- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ---- National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY ---- Federal Facility Site Information listing

Federal CERCLIS NFRAP site List

CERC-NFRAP ---- CERCLIS No Further Remedial Action Planned

Federal RCRA CORRACTS facilities list

CORRACTS ---- Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

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

Federal institutional controls / engineering controls registries

LUCIS ---- Land Use Control Information System

Federal ERNS list

ERNS ---- Emergency Response Notification System

State- and tribal - equivalent CERCLIS

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

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

SWF/LF ---- Permitted Facility List

State and tribal leaking storage tank lists

LUST ---- Leaking Underground Storage Tanks
LAST ---- Leaking Aboveground Storage Tanks
INDIAN LUST ---- Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

UST ---- Petroleum Storage Tanks
AST ---- Aboveground Petroleum Storage Tanks
INDIAN UST ---- Underground Storage Tanks on Indian Land
FEMA UST ---- Underground Storage Tank Listing

State and tribal institutional control / engineering control registries

AUL ---- Sites with Controls

State and tribal voluntary cleanup sites

VCP ---- Voluntary Cleanup Program Site Listing

INDIAN VCP ---- Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS ---- Brownfields Site List

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ---- A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

ODI ---- Open Dump Inventory
DEBRIS REGION 9 ---- Torres Martinez Reservation Illegal Dump Site Locations
SWRCY ---- Solid Waste Recycling Facilities
HIST LF ---- Solid Waste Facility Database List
INDIAN ODI ---- Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL ---- Clandestine Drug Labs
DEL SHWS ---- Registry Sites Withdrawn or Deleted
CDL ---- Environmental Emergency Response System
US HIST CDL ---- National Clandestine Laboratory Register

Local Land Records

LIENS 2 ---- CERCLA Lien Information

Records of Emergency Release Reports

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

Other Ascertainable Records

RCRA NonGen / NLR ---- RCRA - Non Generators / No Longer Regulated
DOT OPS ---- Incident and Accident Data
DOD ---- Department of Defense Sites
FUDS ---- Formerly Used Defense Sites
CONSENT ---- Superfund (CERCLA) Consent Decrees
UMTRA ---- Uranium Mill Tailings Sites
US MINES ---- Mines Master Index File
TRIS ---- Toxic Chemical Release Inventory System
TSCA ---- Toxic Substances Control Act
FTTS ---- FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS ---- FIFRA/TSCA Tracking System Administrative Case Listing
SSTS ---- Section 7 Tracking Systems
ICIS ---- Integrated Compliance Information System
PADS ---- PCB Activity Database System

MLTS Material Licensing Tracking System
RADINFO Radiation Information Database
FINDS Facility Index System/Facility Registry System
RAATS RCRA Administrative Action Tracking System
RMP Risk Management Plans
UIC Underground Injection Wells Database
DRYCLEANERS Drycleaners in Missouri Listing
MO RRC Certified Hazardous Waste Resource Recovery Facilities
NPDES Permitted Facility Listing
AIRS Permit Facility Listing
INDIAN RESERV Indian Reservations
SCRD DRYCLEANERS State Coalition for Remediation of Drycleaners Listing
LEAD SMELTERS Lead Smelter Sites
MINES Industrial Mineral Mines Database
2020 COR ACTION 2020 Corrective Action Program List
SMARS Site Management and Reporting System
US AIRS Aerometric Information Retrieval System Facility Subsystem
PRP Potentially Responsible Parties
US FIN ASSUR Financial Assurance Information
COAL ASH Coal Ash Disposal Sites
COAL ASH EPA Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER PCB Transformer Registration Database
COAL ASH DOE Steam-Electric Plant Operation Data
Financial Assurance Financial Assurance Information Listing
EPA WATCH LIST EPA WATCH LIST

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP EDR Proprietary Manufactured Gas Plants
EDR US Hist Auto Stat EDR Exclusive Historic Gas Stations
EDR US Hist Cleaners EDR Exclusive Historic Dry Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

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

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 10/25/2013 has revealed that there are 2 NPL sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ORONOGO-DUENWEG MINING BELT	***VARIOUS LOCATIONS***	***0 - 1/8 (0.000 mi.)***	***0***	***7***
NEWTON COUNTY MINE TAILINGS	***ENTIRE TOWN OF***	***0 - 1/8 (0.000 mi.)***	***0***	***46***

Federal CERCLIS list

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

A review of the CERCLIS list, as provided by EDR, and dated 10/25/2013 has revealed that there are 2 CERCLIS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ORONOGO-DUENWEG MINING BELT	***VARIOUS LOCATIONS***	***0 - 1/8 (0.000 mi.)***	***0***	***7***
NEWTON COUNTY MINE TAILINGS	***ENTIRE TOWN OF***	***0 - 1/8 (0.000 mi.)***	***0***	***46***

Federal RCRA generators list

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

A review of the RCRA-LQG list, as provided by EDR, and dated 03/11/2014 has revealed that there is 1 RCRA-LQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
EAGLEPICHER TECHNOLOGIES LITHI	8035 E 26TH ST	0 - 1/8 (0.000 mi.)	1	80

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

A review of the RCRA-SQG list, as provided by EDR, and dated 03/11/2014 has revealed that there is 1 RCRA-SQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PRECISION MASTERMADE PAINTS IN	8040 E ALLIANCE PKWY	SSW 0 - 1/8 (0.045 mi.)	2	84

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

A review of the RCRA-CESQG list, as provided by EDR, and dated 03/11/2014 has revealed that there is 1 RCRA-CESQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CFM HOME PRODUCTS	7980 E AMERICAN DR	SW 0 - 1/8 (0.059 mi.)	3	86

Federal institutional controls / engineering controls registries

US ENG CONTROLS: A listing of sites with engineering controls in place.

A review of the US ENG CONTROLS list, as provided by EDR, and dated 03/19/2014 has revealed that there are 2 US ENG CONTROLS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ORONOGO-DUENWEG MINING BELT	***VARIOUS LOCATIONS***	***0 - 1/8 (0.000 mi.)***	***0***	***7***
NEWTON COUNTY MINE TAILINGS	***ENTIRE TOWN OF***	***0 - 1/8 (0.000 mi.)***	***0***	***46***

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

A review of the US INST CONTROL list, as provided by EDR, and dated 03/19/2014 has revealed that there are 2 US INST CONTROL sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ORONOGO-DUENWEG MINING BELT	***VARIOUS LOCATIONS***	***0 - 1/8 (0.000 mi.)***	***0***	***7***
NEWTON COUNTY MINE TAILINGS	***ENTIRE TOWN OF***	***0 - 1/8 (0.000 mi.)***	***0***	***46***

EXECUTIVE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

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

A review of the ROD list, as provided by EDR, and dated 11/25/2013 has revealed that there are 2 ROD sites within approximately 1 mile of the target property.

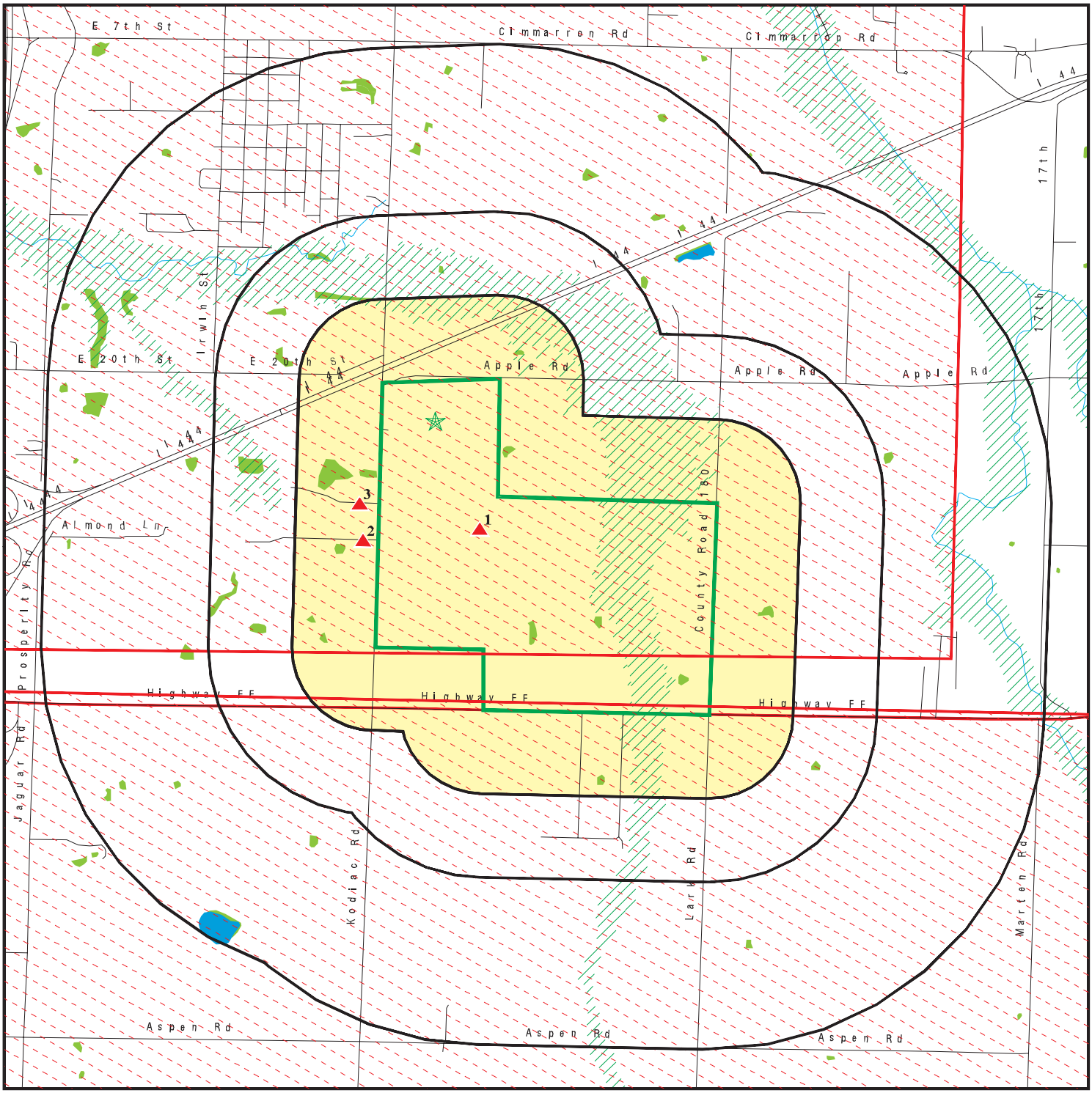
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ORONOGO-DUENWEG MINING BELT	***VARIOUS LOCATIONS***	***0 - 1/8 (0.000 mi.)***	***0***	***7***
NEWTON COUNTY MINE TAILINGS	***ENTIRE TOWN OF***	***0 - 1/8 (0.000 mi.)***	***0***	***46***

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 20 records.

Site Name	Database(s)
JESSE'S TRUCK STOP	SMARS
ORONOGO DUENWEG MINING BELT	SMARS
CENTRAL JASPER COUNTY LEAD	CERCLIS
PCS PHOSPHATE JOPLIN	CERCLIS, RCRA-CESQG, RADINFO, FINDS
INTERNATIONAL PAPER CO - JOPLIN	CERC-NFRAP
GILSTRAP'S, WALT PROPERTY	CERC-NFRAP
JOPLIN SANITARY LANDFILL	CERC-NFRAP
MODOT PROPERTY - FORMER STATION	LUST, UST
HEART OF AMERICA ENTERPRISES	RCRA NonGen / NLR
SITTON MOTOR LINES	RCRA NonGen / NLR
BAKER SEPTIC TANK SVC	RCRA NonGen / NLR
MODOT PROPERTY - FORMER STATION	RCRA NonGen / NLR
TRUCK WORLD TRUCKS BODY SHOP	RCRA NonGen / NLR, FINDS
LUCKEY TRANSFER LLC	RCRA NonGen / NLR
CROSSROADS CHEVROLET	FINDS
CROSSROADS CTR-BUS AND DIST	FINDS
ANCHOR STONE CO.	US MINES
SOUTHWEST REGIONAL SANITARY LANDFI	HIST LF, Financial Assurance
CROSSROADS REALTY BUILDING	NPDES
SITTON MOTOR LINES	Ind. Haz Waste

overview MAP - 4050803.2s



0 1/4 1/2 1 Miles

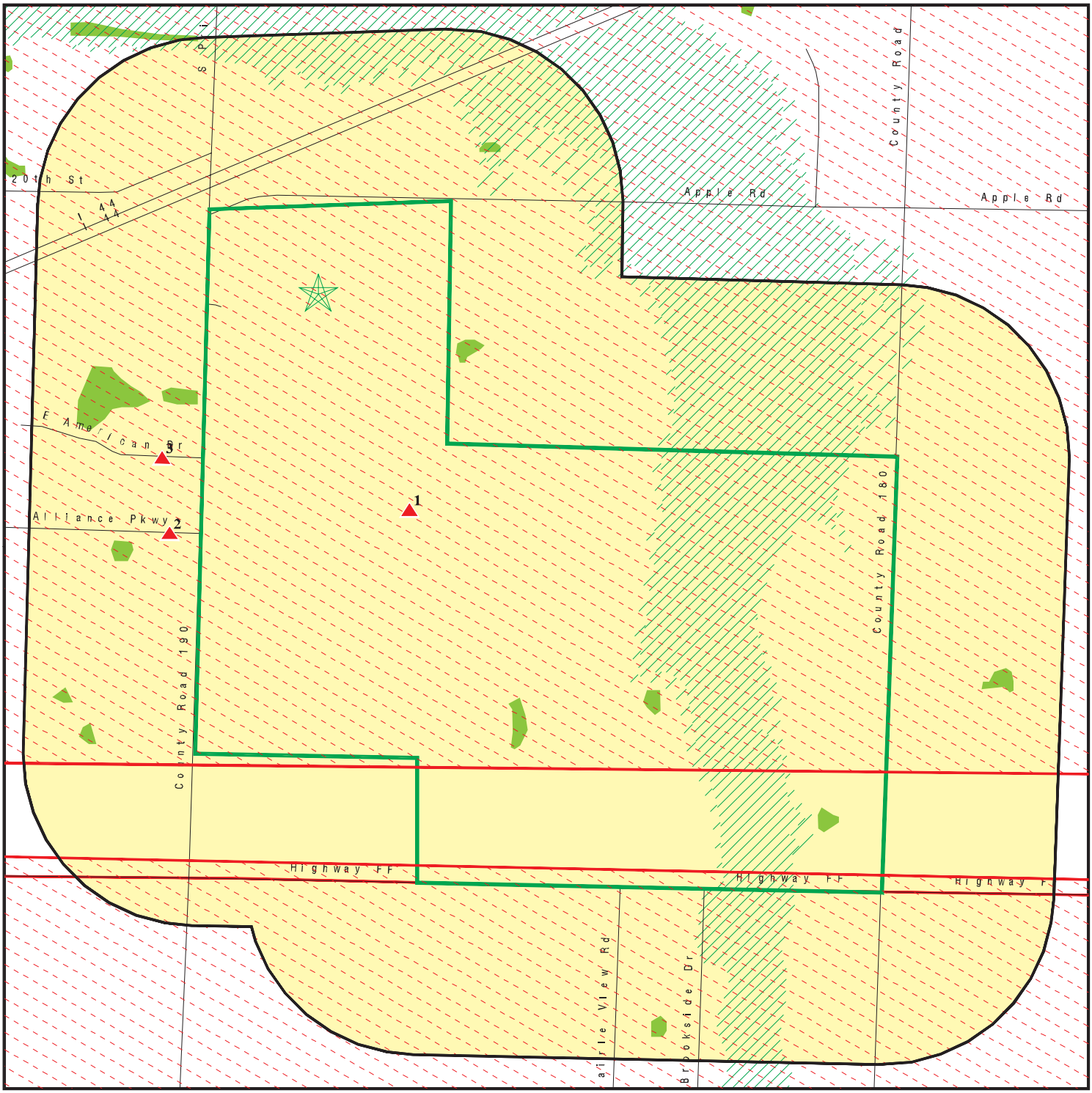
- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- County Boundary
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory

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

SITE NAME: Crossroads CDBG	CLIENT: Palmerton & Parrish Inc.
ADDRESS: Prigmore Road/Apple Road Joplin MO 64804	CONTACT: Donny Nowack
LAT/LONG: 37.0666 / 94.4021	INQUIRY #: 4050803.2s DATE: August 28, 2014 12:34 pm

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detail MAP - 4050803.2s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- County Boundary
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory

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

SITE NAME: Crossroads CDBG	CLIENT: Palmerton & Parrish Inc.
ADDRESS: Prigmore Road/Apple Road Joplin MO 64804	CONTACT: Donny Nowack
LAT/LONG: 37.0666 / 94.4021	INQUIRY #: 4050803.2s DATE: August 28, 2014 12:35 pm

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MAP FINDINGS SUMMARY

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

MAP FINDINGS SUMMARY

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

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
UMTRA	0.500		0	0	0	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
MO RRC	TP		NR	NR	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
SMARS	0.500		0	0	0	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR US Hist Auto Stat	0.250		0	0	NR	NR	NR	0
EDR US Hist Cleaners	0.250		0	0	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA HWS	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
RGA LF	TP		NR	NR	NR	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

NPL **ORONOGO-DUENWEG MINING BELT** **NPL** **1000481398**
Region **VARIOUS LOCATIONS** **CERCLIS** **MOD980686281**
JOPLIN, MO 64801 **US ENG CONTROLS**
< 1/8 **US INST CONTROL**
1 ft. **ROD**
LEAD SMELTERS
PRP

NPL:
EPA ID: MOD980686281
EPA Region: 07
Federal: N
Final Date: 1990-08-30 00:00:00

Category Details:
NPL Status: Currently on the Final NPL
Category Description: Depth To Aquifer-<= 10 Feet
Category Value: 1

NPL Status: Currently on the Final NPL
Category Description: Distance To Nearest Population-> 0 And <= 1/4 Mile
Category Value: 10

Site Details:
Site Name: ORONOGO-DUENWEG MINING BELT
Site Status: Final
Site Zip: 64755
Site City: JOPLIN
Site State: MO
Federal Site: No
Site County: JASPER
EPA Region: 07
Date Proposed: 06/24/88
Date Deleted: Not reported
Date Finalized: 08/30/90

Substance Details:
NPL Status: Currently on the Final NPL
Substance ID: Not reported
Substance: Not reported
CAS #: Not reported
Pathway: Not reported
Scoring: Not reported

NPL Status: Currently on the Final NPL
Substance ID: C247
Substance: ZINC AND COMPOUNDS
CAS #: Not reported
Pathway: NO PATHWAY INDICATED
Scoring: 1

NPL Status: Currently on the Final NPL
Substance ID: D006
Substance: CADMIUM (CD)
CAS #: 7440-43-9
Pathway: NO PATHWAY INDICATED
Scoring: 1

ORONOGO-DUENWEG MINING BELT (Continued) **1000481398**

NPL Status: Currently on the Final NPL
Substance ID: D008
Substance: LEAD (PB)
CAS #: 7439-92-1
Pathway: GROUND WATER PATHWAY
Scoring: 3

NPL Status: Currently on the Final NPL
Substance ID: D008
Substance: LEAD (PB)
CAS #: 7439-92-1
Pathway: SURFACE WATER PATHWAY
Scoring: 3

Summary Details:

Conditions at proposal June 24, 1988): The Oronogo-Duenweg Mining Belt is located in Jasper County, Missouri, and comprises a portion of the Tri-State Mining District of Missouri, Kansas, and Oklahoma. Two other Superfund sites in the district, Cherokee County in Kansas and Tar Creek in Ottawa County, Oklahoma, were placed on the NPL in September 1983. Superfund-financed remedial activities are ongoing at these sites. Lead and inc ores, as well as some cadmium ores, weremined, milled, and smelted throughout Jasper County from 1848 to the late 1960s. Mining efforts were originally performed by small independent companies that were later organi ed into larger mining operations. Abundant mining activities occurred in an area of 2 by 10 miles between Oronogo and Duenweg, northeast of Joplin. The area is honeycombed with underground workings, pits, shafts open, closed, and collapsed), mine tailings, waste piles, and ponds holding tailing waters.The Jasper County portion of the mining district contains many abandoned underground mine workings, and the land surface in many parts of the county is covered with an estimated 10 million tons of mining wastes. The primary sources of contamination at the site are residual metal sulfides in abandoned mine workings and tailing piles that were left uncovered and unstabili ed. Upon exposure to the atmosphere, these sulfides mobili e as dissolved compounds, increasing acidity. Theresulting metal-laden acidic waters, referred to as acid mine drainage, contaminate ground water and fill mine shafts and subsidences; when the waters surface through springs, they combine with metal-laden run-off and contaminate rivers, creeks,and lakes. Studies conducted by the U.S. Geological Survey 1977) concluded that ground water and surface water are contaminated with lead, cadmium, and inc. An estimated 1,500 people obtain drinking water from private wells within 3 miles ofthe site. Status August 30, 1990): EPA plans to conduct a remedial investigation/feasibility study to determine the type and extent of contamination in Jasper County and identify alternatives for remedial action.

Site Status Details:

NPL Status: Final
Proposed Date: 06/24/1988
Final Date: 08/30/1990
Deleted Date: Not reported

Narratives Details:

NPL Name: ORONOGO-DUENWEG MINING BELT
City: JOPLIN
State: MO

ORONOGO-DUENWEG MINING BELT (Continued) **1000481398**

CERCLIS:

Site ID:	0701290
EPA ID:	MOD980686281
Facility County:	JASPER
Short Name:	ORONOGO-DUENWEG MINING BE
Congressional District:	07
IFMS ID:	0736
SMSA Number:	3710
USGC Hydro Unit:	11070207
Federal Facility:	Not a Federal Facility
DMNSN Number:	6400.00000
Site Orphan Flag:	N
RCRA ID:	Not reported
USGS Quadrangle:	Asbury, Carl Junctio
Site Init By Prog:	Not reported
NFRAP Flag:	Not reported
Parent ID:	Not reported
RST Code:	O
EPA Region:	07
Classification:	Mines/Tailings
Site Settings Code:	RU
NPL Status:	Currently on the Final NPL
DMNSN Unit Code:	ACRE
RBRAC Code:	Not reported
RResp Fed Agency Code:	Not reported
Non NPL Status:	Not reported
Non NPL Status Date:	/ /
Site Fips Code:	29097
CC Concurrence Date:	/ /
CC Concurrence FY:	Not reported
Alias EPA ID:	Not reported
Site FUDS Flag:	Not reported

CERCLIS Site Contact Name(s):

Contact ID:	7000126.00000
Contact Name:	DEBBIE KRING
Contact Tel:	(913) 551-7725
Contact Title:	Community Involvement Coordinator
Contact Email:	Not reported
Contact ID:	13003033.00000
Contact Name:	MARK DOOLAN
Contact Tel:	(913) 551-7169
Contact Title:	Remedial Project Manager (RPM)
Contact Email:	Not reported

CERCLIS Site Alias Name(s):

Alias ID:	101
Alias Name:	TAR CREEK-JASPER COUNTY
Alias Address:	Not reported
	MO
Alias ID:	401
Alias Name:	TRI-STATE MINING AREA (FINDS)
Alias Address:	Not reported
	MO
Alias ID:	501

ORONOGO-DUENWEG MINING BELT (Continued) **1000481398**

Alias Name: TRI-STATE MINING DISTRICT-JASPER
Alias Address: Not reported
MO
Alias ID: 601
Alias Name: TRI-STATE MINING AREA (SW) SS#0736
Alias Address: Not reported
MO
Alias ID: 701
Alias Name: JASPER COUNTY SS#077E
Alias Address: Not reported
MO
Alias ID: 901
Alias Name: FARMERS CHEMICAL CO
Alias Address: Not reported
MO
Alias ID: 902
Alias Name: ORONOGO-DUENWEG MINING BELT
Alias Address: VARIOUS LOCATIONS
ORONOGO-DUENWEG, MO 64855
Alias ID: 903
Alias Name: ORONOGO-DUENWEG MINING BELT
Alias Address: VARIOUS LOCATIONS
JASPER COUNTY, MO 64855
Alias Comments: Not reported
Site Description: Mining, milling, and smelting of lead and zinc ore concentrates date back to 1850 and continued in the district until the 1970s. Mining, milling, and smelting activities generated several types of waste materials, including mine wastes (waste rock, development rock, and overburden); mill wastes (chat and fine tailings); and smelter-related materials (slag, clinker, flux, and air emissions). The wastes from the mining/milling and smelter operations contain residual metals, particularly lead, cadmium, and zinc. Approximately ten million tons of mining/milling and smelter wastes remain on the surface at the Site. Additionally, air emissions from historic smelters resulted in contaminated soil surrounding the smelters. The Tri-State district's historic lead and zinc production ranked as one of the highest in the world, with a total ore production of more than 0.5 billion short tons. The Missouri portion of the district accounted for more than 0.2 billion short tons of ore, 80 percent of which was produced in Jasper County. Processing of the ore resulted in approximately 150 million short tons of wastes, of which approximately 9 million short tons remain today. The wastes contain residual metals, particularly lead, cadmium, and zinc. Historically, up to seventeen smelters were located in Jasper County. By the turn of the century, only the Eagle-Picher smelter in northwest Joplin remained in operation. The Environmental Protection Agency (EPA) added the Site to the National Priorities List (NPL) in 1990. In 1991, the EPA began cleanup studies of the Site with some work being conducted by the potentially responsible parties (PRPs) under EPA oversight. The initial Site investigations focused primarily on identifying contamination associated with mining and milling wastes. The most immediate problems identified, with respect to human health risks, are due to homes built on mining and milling or smelter wastes or where people are drinking contaminated groundwater from private water wells. In 1994, the PRPs submitted to the EPA the Residential Yard Assessment Report prepared by Dames & Moore. The report concluded that homes built on or near mining and milling wastes were less likely to exceed target levels (500 ppm) for lead than those built in historic smelter areas. In the fall of 1995, the EPA characterized the extent of the lead contamination around the Eagle-Picher smelter. They determined that the contamination extended predominately in a

ORONOGO-DUENWEG MINING BELT (Continued) **1000481398**

southeasterly direction to a distance of approximately 2.25 miles. The sampling results indicate the highest levels of lead contamination are within a few city blocks of the smelter and decrease with distance. The Missouri Department of Health (MDOH) conducted an exposure study to evaluate health effects on residents at the Site. The study, which was released in May 1994, concluded that 14 percent of children under the age of seven years in the study area had elevated blood-lead concentrations. Additionally, the study concluded that the most significant source of contamination was residential yard soils. Following the release of the health study in 1994, the EPA developed an overall strategy to prioritize cleanup at this Site and the adjacent Cherokee County Superfund site. The EPA issued a "Time Critical Removal Action" decision in January 1995 which commenced cleanup of the identified daycare centers and residential yards that reported having high soil lead concentrations at levels requiring immediate cleanup. The Time-Critical Removal Action included residences where children were observed with high blood-lead concentrations or where soil lead levels exceeded 2,500 parts per million (ppm), and daycare centers with soil lead levels above 500 ppm. The EPA performed cleanup at approximately 303 residential yards and seven daycare centers under this action, which concluded in March 1996. The majority of these cleanup sites were around the Eagle-Picher smelter in Joplin. The initial cleanup activities consisted of excavating and removing soils, replacing the soil with clean backfill, and resodding the yards. The selected remedy will follow-up on the residential yard cleanups that have already been done by cleaning up the remaining yards at the site which have lead and cadmium at levels that present a health threat. The EPA provided the Proposed Plan and supporting documents in the Administrative Record file and encouraged public review and comments on the Proposed Plan during the public comment period. The Oronogo/Duenweg Mining Belt site (commonly know as the Jasper County site) is located in Jasper County, Missouri. The site is part of the Tri-State Mining District which covers approximately 270 square miles in southwestern Missouri, southeastern Kansas, and northeastern Oklahoma. Land use varies from agricultural to urban. Approximately 60,000 people live within the site boundaries, and the Environmental Protection Agency (EPA) has identified at least 650 residential homes that utilize shallow groundwater wells for drinking water supplies within the site. Mining, milling, and smelting of lead and zinc ore date back to 1850 and continued in the district until the 1970s. Processing of the ore resulted in approximately 150 million short tons of wastes. The wastes currently contribute metals contamination to surface soils, surface water, and groundwater. In 1991, EPA signed an Administrative Order of Consent (AOC) with a group of nine potentially responsible parties (PRPs) to conduct a Remedial Investigation/Feasibility Study (RI/FS) at seven of the eleven designated areas (DAs). EPA conducted the investigations at the remaining four DAs. In December 1993, EPA issued a Unilateral Administrative Order (UAO) to the PRPs to supply bottled water to affected homes. In June 1994, EPA issued a second UAO to the PRPs to provide additional bottled water if wells were found to exceed health-based standards. A Record of Decision (ROD) was completed in August 1996 addressing Operable Unit 2 (OU2). A second ROD was completed in July 1998 addressing OU4. The Oronogo-Duenweg Mining Belt site (Site) is located in Jasper County and portions of Newton County, Missouri. The Site is located in and around Joplin in southwest Missouri. Approximately 90,000 people live in the area. The climate is continental with moderate winters and long, hot summers. The annual precipitation is about 40 inches. All watersheds of the Site are within the Spring River drainage basin, a 2,600 square-mile basin in southwest Missouri, southeast Kansas, and northeast Oklahoma. The principal tributaries of the Spring River in the Site are the North Fork of the Spring River, Center Creek, Turkey Creek, Short Creek, and Shoal Creek which are

ORONOGO-DUENWEG MINING BELT (Continued) **1000481398**

typical Ozark streams where base flows are sustained by springs from limestone in the headwater areas. Water quality in the Spring River and its tributaries is influenced by runoff and seepage from mill waste, sediment migration from mining source areas into the streams, runoff from agricultural and urban areas, and wastewater discharge. Surface water chemistry is influenced by groundwater from non-point and point sources, mine shafts, and mine subsidence pits. All of the streams at the Site are impacted from the former mining activity, and exceed federal water quality criteria in many reaches. Site streams and tributaries drain into the Spring River. The Spring River flows southwest into Kansas and continues south into Oklahoma. Metal concentrations exceed Federal aquatic life criteria (ALCs) as they cross the state line into Kansas. Additionally, sediments in the streams down stream of mining impacted areas contain elevated metal concentrations. Two major aquifers underlie the Site, the Mississippian-age Springfield Plateau aquifer and the deeper Ozark aquifer. The two aquifers consist of fractured and karst limestone (upper aquifer) and dolomites (lower aquifer), with the addition of the Gunter Member sandstone in the deep aquifer, and are separated by a sequence of shale and limestone that yields little or no water to wells. This sequence of shale and limestone acts as an impermeable confining layer or semi-confining layer between the two aquifers. The shallow aquifer generally exhibits unconfined or water table conditions except where Pennsylvanian-age shale is present above the limestone. The shallow aquifer hosts the lead-zinc ores. Many private wells tap the shallow aquifer for drinking water and are contaminated with cadmium, lead, and zinc. While most public water supplies are drawn from the deep aquifer, the city of Joplin uses Shoal Creek for a portion of its water supply. Two types of wastes were generated during the past milling activities; coarser grained chat and fine-grained tailings. Chat and tailings from the Site contain various levels of lead, cadmium, and zinc, depending on the designated area (DA). Chat is a waste product from a tabling and jigging gravity separation process. Chat is composed of gravel, sand, and silt-sized siliceous chert and limestone fragments. It is relatively free draining with low moisture content between 3 to 6 percent at depth and lower near the surface, as would be expected from coarse-grained crushed rock. Approximately 5,000,000 cubic yards of chat are located in the Site. Chat in Jasper County is, and has been, an important source of aggregate and is quarried from the piles as an unprocessed, pit-run material; or in some cases, it is washed and screened for sale as a specifically sized aggregate. Most chat is currently used as aggregate in asphalt and in various types of bituminous overlays, slurry seals, and seal coats for roads. Large volumes have been used in the construction of roads and highways, as the primary aggregate or as the basecoarse material. The Site is a concern because of mining wastes on the surface, which constituted a significant source of heavy metals contamination with potential for exposure to people and environmental receptors. Past mining and milling practices resulted in the contamination of surface soil, sediments, surface water, and groundwater in the shallow aquifer. The primary contaminants of concern are lead, cadmium, and zinc. The EPA listed the Site on the National Priorities List (NPL) in 1990. The Site includes the mining wastes in and around 11 former mining areas, or DAs, located within about 270 square miles of Jasper and Newton Counties. The DAs include Snap, Neck/Alba, Thorns, Joplin, Oronogo/Duenweg, Carl Junction, Klondike, Iron Gates, Iron Gates Extension, Belleville, and Waco. The Site is part of the Tri-State Mining District, which encompasses approximately 2,500 square-miles in Missouri, Kansas, and Oklahoma. The district's historic lead and zinc production ranks as one of the highest in the world, with total ore production estimated to have been slightly more than 0.5 billion short tons. The Missouri portion of the district accounted for approximately 0.2 billion short tons of the ore production, of which approximately 80 percent was derived from Jasper County. Mining in the

ORONOGO-DUENWEG MINING BELT (Continued) **1000481398**

Site was conducted from about 1848 to 1968. The majority of the mining was by underground methods where the mined ore was hoisted from the underground workings and was treated at mills on the surface. At the mills, the crude ore was crushed and sized to minus 5/8 inch, and then concentrated using gravity separation processes, or froth-flotation after about 1920. During the early years of mining, lead concentrates were smelted in a large number of crude log furnaces. Advances in smelter technology and increasing specialization by operators led to centralization, and by 1873 there were only 17 lead smelters in the Joplin area. By 1894, the number had decreased to three, and to one by the 1920s. Most zinc concentrates were shipped to smelters located outside the district in areas where fossil fuel was abundant, as the smelting of zinc required considerably more heat than lead. Approximately 160 million short tons of crude ore were mined in the DAs of which approximately 5 percent was recovered as zinc/lead concentrates, leaving an estimated 150 million short tons of discarded mill waste on the surface. Approximately 93 percent of this material has since been removed for various commercial purposes. A Site-wide investigation was conducted from February to September 1993, collecting data primarily on mined materials, soils, surface water, groundwater, terrestrial and aquatic biota, land use and demography, air quality, and human food sources. The Remedial Investigation (RI), with expanded sections on surface water, groundwater, fate, and transport, was completed in 1995. In 1993, the EPA commissioned site investigation and characterization of the Iron Gates, Belleville, and Klondike DAs. In December 1994, a fourth DA, the Iron Gates Extension, was investigated. This DA is located north of Shoal Creek in Jasper and Newton Counties. A Feasibility Study (FS) was completed in 2003. The FS combines the information about the nature and extent of contamination in and around the DAs described in the Site Characterization Reports and the investigations characterizing and evaluating the DAs. The FS developed alternatives for remedial action for the entire Site. Additional studies have been conducted by the EPA, the Missouri Department of Natural Resources (MDNR), and the Potentially Responsible Parties (PRPs) to assist in developing and supporting the alternatives in the FS. The EPA and the PRPs conducted a sub-aqueous disposal pilot study in which approximately 58,000 cubic yards of tailings were disposed in a mine pit near Waco. This study showed an initial release of metals into the groundwater and within a short time later the metals concentrations became stable. In addition, metals were not significantly leached out of the tailings because they were disposed under water and capped. The MDNR performed a similar study near Webb City by filling a mine shaft with bedrock materials. Results from that study were similar to the Waco study. The EPA and the MDNR have performed several studies to assess the effectiveness of biosolids application on mining wastes in the Oronogo and Carterville areas. These studies have shown that biosolids application is effective at reducing metals toxicity and promoting plant growth. Land use in Jasper County is dominated by agriculture, with about 45 percent of the total acreage in row crops or grass pasture. Residential, urban, and commercial/industrial areas combined cover about 30 percent of the DA acreage. Uncultivated land is present along the creeks and river channels that frequently flood, along active and inactive railroad right-of-ways, and in mined areas. Deciduous woodlands generally dominate the uncultivated land. The area around Joplin and the surrounding communities has, for the past several years, been experiencing tremendous growth and expansion. Vacant uncontaminated land, particularly in the Webb City area, is beginning to become scarce. The EPA has worked with four separate developers to ensure adequate steps are taken prior to residential construction to protect human health. The local county officials are reluctant to establish institutional controls (IC) to control development in this rural community. During 2004 alone, the EPA oversaw remedial actions by developers of eight multi-unit apartment buildings and

ORONOGO-DUENWEG MINING BELT (Continued) **1000481398**

about 100 single family homes on mine and mill waste contaminated lands. As uncontaminated properties become more and more scarce, development of mine and mill waste contaminated lands will increase. The local leaders have developed a master plan for some portions of the county. The "Jasper County, Missouri Route 249 Redevelopment Plan" anticipates controlled development in the corridor of the new Highway 249 presently under construction. A Record of Decision (ROD) addressing Operable Unit (OU) 1 was completed in September 2004.

CERCLIS Assessment History:

Action Code:	001
Action:	DISCOVERY
Date Started:	/ /
Date Completed:	11/01/79
Priority Level:	Not reported
Operable Unit:	SITE EVALUATION/DISPOSITION
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	HAZARD RANKING SYSTEM PACKAGE
Date Started:	/ /
Date Completed:	02/07/86
Priority Level:	Not reported
Operable Unit:	SITE EVALUATION/DISPOSITION
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	PRELIMINARY ASSESSMENT
Date Started:	06/25/86
Date Completed:	06/25/86
Priority Level:	Higher priority for further assessment
Operable Unit:	SITE EVALUATION/DISPOSITION
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	SITE INSPECTION
Date Started:	07/20/86
Date Completed:	07/20/86
Priority Level:	Higher priority for further assessment
Operable Unit:	SITE EVALUATION/DISPOSITION
Primary Responsibility:	EPA Fund-Financed

ORONOGO-DUENWEG MINING BELT (Continued) **1000481398**

Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: PROPOSAL TO NATIONAL PRIORITIES LIST
Date Started: / /
Date Completed: 06/24/88
Priority Level: Not reported
Operable Unit: SITE EVALUATION/DISPOSITION
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: REMOVAL ASSESSMENT
Date Started: 08/31/89
Date Completed: 08/31/89
Priority Level: Not reported
Operable Unit: SITE EVALUATION/DISPOSITION
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: AERIAL SURVEY
Date Started: 03/14/89
Date Completed: 09/15/89
Priority Level: Not reported
Operable Unit: SITE EVALUATION/DISPOSITION
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: ISSUE REQUEST LETTERS (104E)
Date Started: / /
Date Completed: 01/15/90
Priority Level: Not reported
Operable Unit: SITE EVALUATION/DISPOSITION
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

ORONOGO-DUENWEG MINING BELT (Continued) **1000481398**

For detailed financial records, contact EDR for a Site Report.:

Action Code:	002
Action:	ISSUE REQUEST LETTERS (104E)
Date Started:	/ /
Date Completed:	03/15/90
Priority Level:	Not reported
Operable Unit:	SITE EVALUATION/DISPOSITION
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	002
Action:	Notice Letters Issued
Date Started:	/ /
Date Completed:	07/09/90
Priority Level:	Not reported
Operable Unit:	MINE AND MILL WASTE
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	Notice Letters Issued
Date Started:	/ /
Date Completed:	07/09/90
Priority Level:	Not reported
Operable Unit:	SITE EVALUATION/DISPOSITION
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	FINAL LISTING ON NATIONAL PRIORITIES LIST
Date Started:	/ /
Date Completed:	08/30/90
Priority Level:	Not reported
Operable Unit:	SITE EVALUATION/DISPOSITION
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

ORONOGO-DUENWEG MINING BELT (Continued) **1000481398**

Action Code: 003
Action: Notice Letters Issued
Date Started: / /
Date Completed: 02/20/91
Priority Level: Not reported
Operable Unit: MINE AND MILL WASTE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: Special Notice Issued
Date Started: / /
Date Completed: 02/25/91
Priority Level: Not reported
Operable Unit: MINE AND MILL WASTE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: REMOVAL ASSESSMENT
Date Started: 03/28/91
Date Completed: 03/29/91
Priority Level: Not reported
Operable Unit: SITE EVALUATION/DISPOSITION
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: NEGOTIATION (GENERIC)
Date Started: 12/08/89
Date Completed: 08/02/91
Priority Level: Not reported
Operable Unit: MINE AND MILL WASTE
Primary Responsibility: Federal Enforcement
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: ADMINISTRATIVE ORDER ON CONSENT
Date Started: / /
Date Completed: 08/02/91

ORONOGO-DUENWEG MINING BELT (Continued) **1000481398**

Priority Level: Not reported
Operable Unit: MINE AND MILL WASTE
Primary Responsibility: Federal Enforcement
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: NATIONAL PRIORITIES LIST RESPONSIBLE PARTY SEARCH
Date Started: 11/15/88
Date Completed: 06/15/92
Priority Level: Search Complete, Viable PRPs
Operable Unit: SITE EVALUATION/DISPOSITION
Primary Responsibility: Federal Enforcement
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: INFORMATION REPOSITORY ESTABLISHED
Date Started: / /
Date Completed: 06/24/92
Priority Level: Not reported
Operable Unit: MINE AND MILL WASTE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003
Action: REMOVAL ASSESSMENT
Date Started: 04/14/93
Date Completed: 04/15/93
Priority Level: Not reported
Operable Unit: SITE EVALUATION/DISPOSITION
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: NEGOTIATION (GENERIC)
Date Started: 12/01/93
Date Completed: 12/16/93
Priority Level: Not reported
Operable Unit: GROUND WATER
Primary Responsibility: Federal Enforcement
Planning Status: Primary

ORONOGO-DUENWEG MINING BELT (Continued) **1000481398**

Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: UNILATERAL ADMIN ORDER
Date Started: / /
Date Completed: 12/16/93
Priority Level: Not reported
Operable Unit: SITE EVALUATION/DISPOSITION
Primary Responsibility: Federal Enforcement
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: HEALTH ASSESSMENT
Date Started: 02/15/91
Date Completed: 05/04/94
Priority Level: Not reported
Operable Unit: SITE EVALUATION/DISPOSITION
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: UNILATERAL ADMIN ORDER
Date Started: / /
Date Completed: 06/24/94
Priority Level: Not reported
Operable Unit: SITE EVALUATION/DISPOSITION
Primary Responsibility: Federal Enforcement
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: ADMINISTRATIVE ORDER ON CONSENT
Date Started: / /
Date Completed: 06/30/94
Priority Level: Not reported
Operable Unit: SITE EVALUATION/DISPOSITION
Primary Responsibility: Federal Enforcement
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

ORONOGO-DUENWEG MINING BELT (Continued) **1000481398**

Action Code: 004
Action: REMOVAL ASSESSMENT
Date Started: 05/02/94
Date Completed: 09/15/94
Priority Level: Not reported
Operable Unit: SITE EVALUATION/DISPOSITION
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: INFORMATION REPOSITORY ESTABLISHED
Date Started: / /
Date Completed: 12/31/94
Priority Level: Not reported
Operable Unit: SITE EVALUATION/DISPOSITION
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: Lodged By DOJ
Date Started: / /
Date Completed: 03/28/95
Priority Level: Not reported
Operable Unit: MINE AND MILL WASTE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: CONSENT AGREEMENT (ADMINISTRATIVE)
Date Started: / /
Date Completed: 06/29/95
Priority Level: Not reported
Operable Unit: SITE EVALUATION/DISPOSITION
Primary Responsibility: Federal Enforcement
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003
Action: INFORMATION REPOSITORY ESTABLISHED
Date Started: / /
Date Completed: 07/10/95

ORONOGO-DUENWEG MINING BELT (Continued) **1000481398**

Priority Level: Not reported
Operable Unit: SITE EVALUATION/DISPOSITION
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: Public Notice Published
Date Started: / /
Date Completed: 08/16/95
Priority Level: Not reported
Operable Unit: SITE EVALUATION/DISPOSITION
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: RISK/HEALTH ASSESSMENT
Date Started: 03/26/91
Date Completed: 11/08/95
Priority Level: Not reported
Operable Unit: MINE AND MILL WASTE
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: CLAIM IN BANKRUPTCY PROCEEDING
Date Started: 06/25/91
Date Completed: 03/06/96
Priority Level: Not reported
Operable Unit: SITE EVALUATION/DISPOSITION
Primary Responsibility: Federal Enforcement
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: CONSENT DECREE
Date Started: / /
Date Completed: 03/06/96
Priority Level: Not reported
Operable Unit: MINE AND MILL WASTE
Primary Responsibility: Federal Enforcement
Planning Status: Primary

ORONOGO-DUENWEG MINING BELT (Continued) **1000481398**

Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: REMOVAL
Date Started: 03/13/95
Date Completed: 03/12/96
Priority Level: Cleaned up
Operable Unit: RESIDENTIAL YARDS
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Time Critical
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 006
Action: NEGOTIATION (GENERIC)
Date Started: 07/09/90
Date Completed: 07/18/96
Priority Level: Not reported
Operable Unit: SITE EVALUATION/DISPOSITION
Primary Responsibility: Federal Enforcement
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: FEASIBILITY STUDY
Date Started: 09/15/95
Date Completed: 08/01/96
Priority Level: Not reported
Operable Unit: RESIDENTIAL YARDS
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Phased Start

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: RECORD OF DECISION
Date Started: / /
Date Completed: 08/01/96
Priority Level: Not reported
Operable Unit: RESIDENTIAL YARDS
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

ORONOGO-DUENWEG MINING BELT (Continued) **1000481398**

Action Code:	002
Action:	Lodged By DOJ
Date Started:	/ /
Date Completed:	10/01/96
Priority Level:	Not reported
Operable Unit:	SITE EVALUATION/DISPOSITION
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	002
Action:	CONSENT AGREEMENT (ADMINISTRATIVE)
Date Started:	/ /
Date Completed:	10/10/96
Priority Level:	Not reported
Operable Unit:	SITE EVALUATION/DISPOSITION
Primary Responsibility:	Federal Enforcement
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	007
Action:	NEGOTIATION (GENERIC)
Date Started:	/ /
Date Completed:	10/10/96
Priority Level:	Not reported
Operable Unit:	SITE EVALUATION/DISPOSITION
Primary Responsibility:	Federal Enforcement
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	004
Action:	CONSENT DECREE
Date Started:	07/18/96
Date Completed:	12/10/96
Priority Level:	Not reported
Operable Unit:	SITE EVALUATION/DISPOSITION
Primary Responsibility:	Federal Enforcement
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	REMEDIAL DESIGN
Date Started:	08/03/96

ORONOGO-DUENWEG MINING BELT (Continued) **1000481398**

Date Completed: 03/20/98
Priority Level: Not reported
Operable Unit: RESIDENTIAL YARDS
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL DESIGN
Date Started: 08/03/96
Date Completed: 03/20/98
Priority Level: Not reported
Operable Unit: MINE WASTE YARD SOILS
Primary Responsibility: Responsible Party
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: ADMINISTRATIVE RECORDS
Date Started: 12/31/94
Date Completed: 07/29/98
Priority Level: Admin Record Compiled for a Removal Event
Operable Unit: SITE EVALUATION/DISPOSITION
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: POTENTIALLY RESPONSIBLE PARTY FEASIBILITY STUDY
Date Started: 08/01/95
Date Completed: 07/29/98
Priority Level: Not reported
Operable Unit: GROUND WATER
Primary Responsibility: Responsible Party
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003
Action: RECORD OF DECISION
Date Started: / /
Date Completed: 07/29/98
Priority Level: Not reported
Operable Unit: GROUND WATER
Primary Responsibility: Federal Enforcement
Planning Status: Primary
Urgency Indicator: Not reported

ORONOGO-DUENWEG MINING BELT (Continued) **1000481398**

Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003
Action: Special Notice Issued
Date Started: / /
Date Completed: 09/28/98
Priority Level: Not reported
Operable Unit: GROUND WATER
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 008
Action: NEGOTIATION (GENERIC)
Date Started: 09/28/98
Date Completed: 01/10/00
Priority Level: Not reported
Operable Unit: GROUND WATER
Primary Responsibility: Federal Enforcement
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: ENGINEERING EVALUATION/COST ANALYSIS
Date Started: 07/24/00
Date Completed: 08/08/00
Priority Level: Not reported
Operable Unit: MINE AND MILL WASTE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 004
Action: Lodged By DOJ
Date Started: / /
Date Completed: 09/26/00
Priority Level: Not reported
Operable Unit: GROUND WATER
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

ORONOGO-DUENWEG MINING BELT (Continued) **1000481398**

Action Code: 001
Action: PREPARATION OF COST DOCUMENT PACKAGE
Date Started: 05/30/00
Date Completed: 01/02/01
Priority Level: Not reported
Operable Unit: SITE EVALUATION/DISPOSITION
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: CONSENT DECREE
Date Started: 04/19/00
Date Completed: 01/19/01
Priority Level: Not reported
Operable Unit: GROUND WATER
Primary Responsibility: Federal Enforcement
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: REMEDIAL INVESTIGATION
Date Started: 04/24/90
Date Completed: 02/13/01
Priority Level: Not reported
Operable Unit: MINE AND MILL WASTE
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: REMEDIAL DESIGN
Date Started: 02/15/00
Date Completed: 06/18/01
Priority Level: Not reported
Operable Unit: GROUND WATER
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: REMEDIAL ACTION
Date Started: 08/02/96
Date Completed: 04/05/02
Priority Level: Final RA Report
Operable Unit: RESIDENTIAL YARDS

ORONOGO-DUENWEG MINING BELT (Continued) **1000481398**

Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Early Action
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: REMEDIAL ACTION
Date Started: 04/01/97
Date Completed: 04/05/02
Priority Level: Final RA Report
Operable Unit: MINE WASTE YARD SOILS
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 009
Action: NEGOTIATION (GENERIC)
Date Started: 06/08/01
Date Completed: 05/03/02
Priority Level: Not reported
Operable Unit: SITE EVALUATION/DISPOSITION
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003
Action: CONSENT AGREEMENT (ADMINISTRATIVE)
Date Started: / /
Date Completed: 05/03/02
Priority Level: Not reported
Operable Unit: SITE EVALUATION/DISPOSITION
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: FIVE-YEAR REVIEW
Date Started: 01/15/01
Date Completed: 09/27/02
Priority Level: Not reported
Operable Unit: SITE EVALUATION/DISPOSITION
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

ORONOGO-DUENWEG MINING BELT (Continued) **1000481398**

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	POTENTIALLY RESPONSIBLE PARTY REMOVAL
Date Started:	12/22/93
Date Completed:	09/30/02
Priority Level:	Cleaned up
Operable Unit:	GROUND WATER
Primary Responsibility:	Responsible Party
Planning Status:	Primary
Urgency Indicator:	Time Critical
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	002
Action:	HEALTH ASSESSMENT
Date Started:	08/11/99
Date Completed:	09/30/02
Priority Level:	Not reported
Operable Unit:	SITE EVALUATION/DISPOSITION
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	005
Action:	INFORMATION REPOSITORY ESTABLISHED
Date Started:	/ /
Date Completed:	07/19/04
Priority Level:	Not reported
Operable Unit:	SITE EVALUATION/DISPOSITION
Primary Responsibility:	EPA In-House
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	004
Action:	INFORMATION REPOSITORY ESTABLISHED
Date Started:	/ /
Date Completed:	07/20/04
Priority Level:	Not reported
Operable Unit:	SITE EVALUATION/DISPOSITION
Primary Responsibility:	EPA In-House
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

ORONOGO-DUENWEG MINING BELT (Continued) **1000481398**

Action Code:	006
Action:	INFORMATION REPOSITORY ESTABLISHED
Date Started:	/ /
Date Completed:	07/29/04
Priority Level:	Not reported
Operable Unit:	SITE EVALUATION/DISPOSITION
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	STATE SUPPORT AGENCY COOPERATIVE AGREEMENT
Date Started:	06/16/89
Date Completed:	09/30/04
Priority Level:	Not reported
Operable Unit:	SITE EVALUATION/DISPOSITION
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	POTENTIALLY RESPONSIBLE PARTY REMEDIAL INVESTIGATION/FEASIBILITY STUDY
Date Started:	08/02/91
Date Completed:	09/30/04
Priority Level:	Not reported
Operable Unit:	MINE AND MILL WASTE
Primary Responsibility:	Responsible Party
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	ADMINISTRATIVE RECORDS
Date Started:	06/24/92
Date Completed:	09/30/04
Priority Level:	Admin Record Compiled for a Removal Event
Operable Unit:	MINE AND MILL WASTE
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	002
Action:	RECORD OF DECISION
Date Started:	/ /
Date Completed:	09/30/04
Priority Level:	Not reported

ORONOGO-DUENWEG MINING BELT (Continued) **1000481398**

Operable Unit: MINE AND MILL WASTE
Primary Responsibility: Federal Enforcement
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: REMOVAL
Date Started: 11/08/94
Date Completed: 09/09/05
Priority Level: Cleaned up
Operable Unit: GROUND WATER
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Time Critical
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: Special Notice Issued
Date Started: / /
Date Completed: 09/28/05
Priority Level: Not reported
Operable Unit: MINE AND MILL WASTE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: TECHNICAL ASSISTANCE GRANT
Date Started: 03/31/94
Date Completed: 08/15/06
Priority Level: Not reported
Operable Unit: SITE EVALUATION/DISPOSITION
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: FORWARD PLANNING ACTIVITY/MANAGEMENT ASSISTANCE
Date Started: 10/01/00
Date Completed: 09/30/06
Priority Level: Not reported
Operable Unit: MINE AND MILL WASTE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

ORONOGO-DUENWEG MINING BELT (Continued) **1000481398**

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: TREATABILITY STUDY
Date Started: 04/01/96
Date Completed: 12/01/06
Priority Level: Not reported
Operable Unit: RESIDENTIAL YARDS
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: FIVE-YEAR REVIEW
Date Started: 12/08/06
Date Completed: 08/27/07
Priority Level: Not reported
Operable Unit: SITE EVALUATION/DISPOSITION
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003
Action: REMEDIAL ACTION
Date Started: 06/18/01
Date Completed: 09/18/07
Priority Level: Final RA Report
Operable Unit: GROUND WATER
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: COMMUNITY INVOLVEMENT
Date Started: 07/29/98
Date Completed: 09/20/07
Priority Level: Not reported
Operable Unit: GROUND WATER
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: JUDICIAL/CIVIL JUDGMENT
Date Started: / /
Date Completed: 02/04/08

ORONOGO-DUENWEG MINING BELT (Continued) **1000481398**

Priority Level: Not reported
Operable Unit: SITE EVALUATION/DISPOSITION
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003
Action: UNILATERAL ADMIN ORDER
Date Started: / /
Date Completed: 07/02/08
Priority Level: Not reported
Operable Unit: MINE AND MILL WASTE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 005
Action: NEGOTIATION (GENERIC)
Date Started: 09/28/05
Date Completed: 09/02/08
Priority Level: Not reported
Operable Unit: MINE AND MILL WASTE
Primary Responsibility: Federal Enforcement
Planning Status: Alternate
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: Notice of Intent by All Parties
Date Started: / /
Date Completed: 09/04/08
Priority Level: Not reported
Operable Unit: MINE AND MILL WASTE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003
Action: REMOVAL
Date Started: 08/26/01
Date Completed: 09/19/08
Priority Level: Cleaned up
Operable Unit: MINE AND MILL WASTE
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary

ORONOGO-DUENWEG MINING BELT (Continued) **1000481398**

Urgency Indicator: Non-Time Critical
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: NON-NATIONAL PRIORITIES LIST POTENTIALLY RESPONSIBLE PARTY SEARCH
Date Started: 06/26/97
Date Completed: 09/30/08
Priority Level: Search Complete, Viable PRPs
Operable Unit: SITE EVALUATION/DISPOSITION
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 006
Action: Lodged By DOJ
Date Started: / /
Date Completed: 11/10/08
Priority Level: Not reported
Operable Unit: MINE AND MILL WASTE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 005
Action: Lodged By DOJ
Date Started: / /
Date Completed: 11/10/08
Priority Level: Not reported
Operable Unit: MINE AND MILL WASTE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 004
Action: UNILATERAL ADMIN ORDER
Date Started: / /
Date Completed: 11/25/08
Priority Level: Not reported
Operable Unit: MINE AND MILL WASTE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

ORONOGO-DUENWEG MINING BELT (Continued) **1000481398**

Action Code:	005
Action:	CONSENT DECREE
Date Started:	09/02/08
Date Completed:	03/26/09
Priority Level:	Not reported
Operable Unit:	MINE AND MILL WASTE
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	006
Action:	CONSENT DECREE
Date Started:	09/30/08
Date Completed:	03/26/09
Priority Level:	Not reported
Operable Unit:	MINE AND MILL WASTE
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	002
Action:	Notice of Intent by All Parties
Date Started:	/ /
Date Completed:	03/26/09
Priority Level:	Not reported
Operable Unit:	MINE AND MILL WASTE
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	004
Action:	REMOVAL
Date Started:	12/10/08
Date Completed:	04/24/09
Priority Level:	Cleaned up
Operable Unit:	MINE AND MILL WASTE
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Approved
Urgency Indicator:	Time Critical
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	010
Action:	NEGOTIATION (GENERIC)
Date Started:	01/26/09
Date Completed:	07/15/09

ORONOGO-DUENWEG MINING BELT (Continued) **1000481398**

Priority Level: Not reported
Operable Unit: MINE AND MILL WASTE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 011
Action: NEGOTIATION (GENERIC)
Date Started: 01/26/09
Date Completed: 07/15/09
Priority Level: Not reported
Operable Unit: GROUND WATER
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 007
Action: Lodged By DOJ
Date Started: / /
Date Completed: 08/20/09
Priority Level: Not reported
Operable Unit: MINE AND MILL WASTE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 008
Action: Lodged By DOJ
Date Started: / /
Date Completed: 08/20/09
Priority Level: Not reported
Operable Unit: GROUND WATER
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 007
Action: CONSENT DECREE
Date Started: 07/15/09
Date Completed: 09/28/09
Priority Level: Not reported
Operable Unit: MINE AND MILL WASTE
Primary Responsibility: Federal Enforcement

ORONOGO-DUENWEG MINING BELT (Continued) **1000481398**

Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 008
Action: CONSENT DECREE
Date Started: 07/15/09
Date Completed: 09/28/09
Priority Level: Not reported
Operable Unit: GROUND WATER
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003
Action: FIVE-YEAR REVIEW
Date Started: 09/21/11
Date Completed: 08/29/12
Priority Level: Not reported
Operable Unit: SITE EVALUATION/DISPOSITION
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: RECORD OF DECISION AMENDMENT
Date Started: / /
Date Completed: 09/27/13
Priority Level: Not reported
Operable Unit: MINE AND MILL WASTE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: TECHNICAL ASSISTANCE
Date Started: 05/10/04
Date Completed: / /
Priority Level: Not reported
Operable Unit: RESIDENTIAL YARDS
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

ORONOGO-DUENWEG MINING BELT (Continued) **1000481398**

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: REMEDIAL INVESTIGATION
Date Started: 08/19/05
Date Completed: / /
Priority Level: Not reported
Operable Unit: SPRING RIVER BASIN
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003
Action: REMEDIAL DESIGN
Date Started: 02/07/07
Date Completed: / /
Priority Level: Not reported
Operable Unit: MINE AND MILL WASTE
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 004
Action: REMEDIAL ACTION
Date Started: 07/02/07
Date Completed: / /
Priority Level: Not reported
Operable Unit: MINE AND MILL WASTE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL DESIGN
Date Started: 09/02/08
Date Completed: / /
Priority Level: Not reported
Operable Unit: MINE AND MILL WASTE
Primary Responsibility: Responsible Party
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Federal Register Details:
Fed Register Date: 08/30/90
Fed Register Volume: 55
Page Number: 35502

ORONOGO-DUENWEG MINING BELT (Continued) **1000481398**

Fed Register Date: 06/24/88
Fed Register Volume: 53
Page Number: 23988

Click this hyperlink while viewing on your computer to access
3981 additional US CERCLIS Financial: record(s) in the EDR Site Report.

US ENG CONTROLS:
EPA ID: MOD980686281
Site ID: 0701290
Name: ORONOGO-DUENWEG MINING BELT
Address: VARIOUS LOCATIONS
JOPLIN, MO 64801
EPA Region: 07
County: JASPER
Event Code: Not reported
Actual Date: 09/30/2004

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 08/01/1996
Operable Unit: 02
Contaminated Media : Soil
Engineering Control: Disposal

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 08/01/1996
Operable Unit: 02
Contaminated Media : Soil
Engineering Control: Excavation

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 08/01/1996
Operable Unit: 02
Contaminated Media : Soil
Engineering Control: Other, (N.O.S.)

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 08/01/1996
Operable Unit: 02
Contaminated Media : Soil
Engineering Control: Solidification/Stabilization (In-Situ)

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 09/30/2004
Operable Unit: 01
Contaminated Media : Sediment
Engineering Control: Cap

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 09/30/2004

ORONOGO-DUENWEG MINING BELT (Continued) **1000481398**

Operable Unit: 01
Contaminated Media : Sediment
Engineering Control: Disposal

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 09/30/2004
Operable Unit: 01
Contaminated Media : Sediment
Engineering Control: Engineering Control, (N.O.S.)

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 09/30/2004
Operable Unit: 01
Contaminated Media : Sediment
Engineering Control: Excavation

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 09/30/2004
Operable Unit: 01
Contaminated Media : Sediment
Engineering Control: Hot Water or Steam Flushing/Stripping

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 09/30/2004
Operable Unit: 01
Contaminated Media : Sediment
Engineering Control: Monitoring

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 09/30/2004
Operable Unit: 01
Contaminated Media : Sediment
Engineering Control: Operations & Maintenance (O&M)

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 09/30/2004
Operable Unit: 01
Contaminated Media : Sediment
Engineering Control: Revegetation

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 09/30/2004
Operable Unit: 01
Contaminated Media : Soil
Engineering Control: Cap

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 09/30/2004
Operable Unit: 01

ORONOGO-DUENWEG MINING BELT (Continued) **1000481398**

Contaminated Media : Soil
Engineering Control: Composting

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 09/30/2004
Operable Unit: 01
Contaminated Media : Soil
Engineering Control: Engineering Control, (N.O.S.)

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 09/30/2004
Operable Unit: 01
Contaminated Media : Soil
Engineering Control: Revegetation

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 09/30/2004
Operable Unit: 01
Contaminated Media : Soil
Engineering Control: Tilling

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 09/30/2004
Operable Unit: 01
Contaminated Media : Solid Waste
Engineering Control: Cap

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 09/30/2004
Operable Unit: 01
Contaminated Media : Solid Waste
Engineering Control: Composting

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 09/30/2004
Operable Unit: 01
Contaminated Media : Solid Waste
Engineering Control: Disposal

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 09/30/2004
Operable Unit: 01
Contaminated Media : Solid Waste
Engineering Control: Engineering Control, (N.O.S.)

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 09/30/2004
Operable Unit: 01
Contaminated Media : Solid Waste

ORONOGO-DUENWEG MINING BELT (Continued) **1000481398**

Engineering Control: Excavation

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 09/30/2004
Operable Unit: 01
Contaminated Media : Solid Waste
Engineering Control: Operations & Maintenance (O&M)

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 09/30/2004
Operable Unit: 01
Contaminated Media : Solid Waste
Engineering Control: Revegetation

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 09/30/2004
Operable Unit: 01
Contaminated Media : Solid Waste
Engineering Control: Tilling

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 09/30/2004
Operable Unit: 01
Contaminated Media : Surface Water
Engineering Control: Monitoring

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 09/30/2004
Operable Unit: 01
Contaminated Media : Surface Water
Engineering Control: Surface Water Control

Action ID: 003
Action Name: RECORD OF DECISION
Action Completion date: 07/29/1998
Operable Unit: 04
Contaminated Media : Groundwater
Engineering Control: Alternate Drinking Water, (N.O.S.)

Action ID: 003
Action Name: RECORD OF DECISION
Action Completion date: 07/29/1998
Operable Unit: 04
Contaminated Media : Groundwater
Engineering Control: Alternate Drinking Water, Temporary Replacement

Action ID: 003
Action Name: RECORD OF DECISION
Action Completion date: 07/29/1998
Operable Unit: 04
Contaminated Media : Groundwater
Engineering Control: Flocculation

ORONOGO-DUENWEG MINING BELT (Continued) **1000481398**

Action ID: 003
Action Name: RECORD OF DECISION
Action Completion date: 07/29/1998
Operable Unit: 04
Contaminated Media : Groundwater
Engineering Control: Monitoring

Action ID: 003
Action Name: RECORD OF DECISION
Action Completion date: 07/29/1998
Operable Unit: 04
Contaminated Media : Groundwater
Engineering Control: Operations & Maintenance (O&M)

Action ID: 003
Action Name: RECORD OF DECISION
Action Completion date: 07/29/1998
Operable Unit: 04
Contaminated Media : Groundwater
Engineering Control: Treatment, (N.O.S.)

US INST CONTROL:
EPA ID: MOD980686281
Site ID: 0701290
Name: ORONOGO-DUENWEG MINING BELT
Action Name: RECORD OF DECISION
Address: VARIOUS LOCATIONS
JOPLIN, MO 64801
EPA Region: 07
County: JASPER
Event Code: Not reported
Inst. Control: Institutional Controls, (N.O.S.)
Actual Date: 06/30/1996
Complet. Date: 08/01/1996
Operable Unit: 02
Contaminated Media : Soil

EPA ID: MOD980686281
Site ID: 0701290
Name: ORONOGO-DUENWEG MINING BELT
Action Name: RECORD OF DECISION
Address: VARIOUS LOCATIONS
JOPLIN, MO 64801
EPA Region: 07
County: JASPER
Event Code: Not reported
Inst. Control: Building, demolition, or excavation regulation
Actual Date: 09/30/2004
Complet. Date: 09/30/2004
Operable Unit: 01
Contaminated Media : Soil

EPA ID: MOD980686281
Site ID: 0701290
Name: ORONOGO-DUENWEG MINING BELT
Action Name: RECORD OF DECISION

ORONOGO-DUENWEG MINING BELT (Continued) **1000481398**

Address: VARIOUS LOCATIONS
JOPLIN, MO 64801
EPA Region: 07
County: JASPER
Event Code: Not reported
Inst. Control: Covenant
Actual Date: 09/30/2004
Complet. Date: 09/30/2004
Operable Unit: 01
Contaminated Media : Soil

EPA ID: MOD980686281
Site ID: 0701290
Name: ORONOGO-DUENWEG MINING BELT
Action Name: RECORD OF DECISION
Address: VARIOUS LOCATIONS
JOPLIN, MO 64801
EPA Region: 07
County: JASPER
Event Code: Not reported
Inst. Control: Easement
Actual Date: 09/30/2004
Complet. Date: 09/30/2004
Operable Unit: 01
Contaminated Media : Soil

EPA ID: MOD980686281
Site ID: 0701290
Name: ORONOGO-DUENWEG MINING BELT
Action Name: RECORD OF DECISION
Address: VARIOUS LOCATIONS
JOPLIN, MO 64801
EPA Region: 07
County: JASPER
Event Code: Not reported
Inst. Control: Health Advisory
Actual Date: 09/30/2004
Complet. Date: 09/30/2004
Operable Unit: 01
Contaminated Media : Soil

EPA ID: MOD980686281
Site ID: 0701290
Name: ORONOGO-DUENWEG MINING BELT
Action Name: RECORD OF DECISION
Address: VARIOUS LOCATIONS
JOPLIN, MO 64801
EPA Region: 07
County: JASPER
Event Code: Not reported
Inst. Control: Zoning regulation
Actual Date: 09/30/2004
Complet. Date: 09/30/2004
Operable Unit: 01
Contaminated Media : Soil

EPA ID: MOD980686281

ORONOGO-DUENWEG MINING BELT (Continued) **1000481398**

Site ID: 0701290
Name: ORONOGO-DUENWEG MINING BELT
Action Name: RECORD OF DECISION
Address: VARIOUS LOCATIONS
JOPLIN, MO 64801
EPA Region: 07
County: JASPER
Event Code: Not reported
Inst. Control: Building, demolition, or excavation regulation
Actual Date: 09/30/2004
Complet. Date: 09/30/2004
Operable Unit: 01
Contaminated Media : Solid Waste

EPA ID: MOD980686281
Site ID: 0701290
Name: ORONOGO-DUENWEG MINING BELT
Action Name: RECORD OF DECISION
Address: VARIOUS LOCATIONS
JOPLIN, MO 64801
EPA Region: 07
County: JASPER
Event Code: Not reported
Inst. Control: Covenant
Actual Date: 09/30/2004
Complet. Date: 09/30/2004
Operable Unit: 01
Contaminated Media : Solid Waste

EPA ID: MOD980686281
Site ID: 0701290
Name: ORONOGO-DUENWEG MINING BELT
Action Name: RECORD OF DECISION
Address: VARIOUS LOCATIONS
JOPLIN, MO 64801
EPA Region: 07
County: JASPER
Event Code: Not reported
Inst. Control: Easement
Actual Date: 09/30/2004
Complet. Date: 09/30/2004
Operable Unit: 01
Contaminated Media : Solid Waste

EPA ID: MOD980686281
Site ID: 0701290
Name: ORONOGO-DUENWEG MINING BELT
Action Name: RECORD OF DECISION
Address: VARIOUS LOCATIONS
JOPLIN, MO 64801
EPA Region: 07
County: JASPER
Event Code: Not reported
Inst. Control: Zoning regulation
Actual Date: 09/30/2004
Complet. Date: 09/30/2004
Operable Unit: 01

ORONOGO-DUENWEG MINING BELT (Continued) **1000481398**

Contaminated Media : Solid Waste

EPA ID: MOD980686281
Site ID: 0701290
Name: ORONOGO-DUENWEG MINING BELT
Action Name: RECORD OF DECISION
Address: VARIOUS LOCATIONS
JOPLIN, MO 64801
EPA Region: 07
County: JASPER
Event Code: Not reported
Inst. Control: Water Supply Use Restriction
Actual Date: 06/30/1998
Complet. Date: 07/29/1998
Operable Unit: 04
Contaminated Media : Groundwater

ROD:
Full-text of USEPA Record of Decision(s) is available from EDR.

Lead Smelter Sites:
Site ID: 0701290
Facility region ID: 07

Site ID: 0701290
Facility region ID: 07

Site ID: 0701290
Facility region ID: 07

Site ID: 0701290
Facility region ID: 07

Site ID: 0701290
Facility region ID: 07

Site ID: 0701290
Facility region ID: 07

Site ID: 0701290
Facility region ID: 07

PRP:
PRP name: ACME LAND COMPANY
ACME LAND COMPANY
ACME LAND COMPANY
AMAX ENVIRONMENTAL SERVICES, INC.
AMAX, INC.
ASARCO, INC.
ASARCO, INC.
ASARCO, INC.
ASARCO, INC. -
ASARCO, INC. - NJ
BLUE TEE CORP.
BLUE TEE CORP.
BLUE TEE CORP.

ORONOGO-DUENWEG MINING BELT (Continued) **1000481398**

BLUE TEE CORP.
BROWN AND ROOT, INC.
BROWN AND ROOT, INC.
CHILDRESS ROYALTY COMPANY
CHILDRESS ROYALTY COMPANY
CHILDRESS ROYALTY COMPANY
CONNER INVESTMENT CO.
CONNER INVESTMENT CO.
CYPRUS AMAX MINERALS COMPANY
DOE RUN CO.
DOE RUN CO.
DOE RUN CO.
E. I. DU PONT DE NEMOURS AND COMPANY
E. I. DU PONT DE NEMOURS AND COMPANY
EAGLE-PICHER INDUSTRIES, INC.
EAGLE-PICHER INDUSTRIES, INC.
ELJER MANUFACTURING, INC.
ELJER MANUFACTURING, INC.
FENIX & SCISSON, INC.
FSN, INC.
GOLD FIELDS AMERICAN CORP. NY
GOLD FIELDS AMERICAN CORPORATION
GOLD FIELDS MINING CORP. DE
GOLD FIELDS MINING CORPORATION
GOLD FIELDS MINING CORPORATION
GULF & WESTERN, INC.
HALLIBURTON CO.
HALLIBURTON CO.
NL INDUSTRIES, INC
NL INDUSTRIES, INC.
NL INDUSTRIES, INC. - NY
PARAMOUNT COMMUNICATIONS, INC.
ST. JOE MINERALS CORP.
ST. JOE MINERALS CORPORATION
SUN CO., INC. - PHILADELPHIA, PA
SUN COMPANY, INC.
U.S. STEEL CORP.
U.S. STEEL CORP.
USX CORP.

NPL **NEWTON COUNTY MINE TAILINGS** **NPL** **1000139728**
Region **ENTIRE TOWN OF** **CERCLIS** **MOD981507585**
GRANBY, MO 64844 **US ENG CONTROLS**
< 1/8 **US INST CONTROL**
1 ft. **ROD**
ICIS
PRP

NPL:
EPA ID: MOD981507585
EPA Region: 07
Federal: N
Final Date: 2003-09-29 00:00:00

Site Details:
Site Name: NEWTON COUNTY MINE TAILINGS
Site Status: Final

NEWTON COUNTY MINE TAILINGS (Continued) **1000139728**

Site Zip: 64844
Site City: GRANBY
Site State: MO
Federal Site: No
Site County: NEWTON
EPA Region: 07
Date Proposed: 04/30/03
Date Deleted: Not reported
Date Finalized: 09/29/03

Substance Details:

NPL Status: Currently on the Final NPL
Substance ID: Not reported
Substance: Not reported
CAS #: Not reported
Pathway: Not reported
Scoring: Not reported

NPL Status: Currently on the Final NPL
Substance ID: D006
Substance: CADMIUM (CD)
CAS #: 7440-43-9
Pathway: GROUND WATER PATHWAY
Scoring: 4

NPL Status: Currently on the Final NPL
Substance ID: D008
Substance: LEAD (PB)
CAS #: 7439-92-1
Pathway: GROUND WATER PATHWAY
Scoring: 4

Summary Details:

Conditions at Proposal April 30, 2003): The Newton County Mine Tailings site is located in southwest Missouri in the Tri-State Mining District. The site is being proposed to the NPL because of the presence of lead and cadmium contamination in residential drinking water wells significantly above the current health based drinking water limits. Based on current sampling information, the contaminated ground water encompasses approximately 160 square miles. In 1999, EPA provided bottled water to county residents as an immediate, temporary response to the known health threat associated with the consumption of lead and cadmium contaminated water. Currently, 350 residential properties in Newton County receive bottled water from EPA and have no alternative safe drinking water supply. From approximately 1850 to 1950, lead, cadmium, and inc mining were major industries in Newton County and the land is marked by numerous open mine shafts, tailings piles, and underground mine workings. In addition, the extensive mining activity has resulted in unique underground channels and faults with exposed lead, cadmium, and inc ores. The mines were located below the water table and during periods of operations were kept dry by pumping ground water from the shafts. Following abandonment of the mines, pumping ceased, the water table returned to its natural levels, and the ground water came in contact with abandoned underground mines and exposed ore. Lead, cadmium, and inc ground water contamination resulted when the oxygenated water leached metals from the exposed ores in the abandoned mines. Further contamination resulted from lead, cadmium, and inc leaching from surface waste piles into the ground water through naturally

NEWTON COUNTY MINE TAILINGS (Continued) **1000139728**

occurring faults and the numerous constructed mine shafts throughout the county. Following reports of elevated blood lead levels in children in surrounding counties with similar mining histories, EPA conducted limited sampling around the city ofGranby in 1995, followed by more extensive ground water and soil sampling throughout Newton County in 1998 and 2000. The upper aquifer is the sole source of drinking water for private residential wells throughout Newton County. Based on the 2000 sampling data, at least 200 residential wells are contaminated with lead or cadmium above health based benchmarks of 15 ppm of lead and 5 ppm of cadmium. In addition, the 1998 soil sampling indicated surface soil lead contamination as highas 33,500 milligrams per kilogram mg/kg) in the city of Granby. In addition to the ground water contamination, several hundred properties have elevated levels of lead and cadmium in the surface soil. A removal action conducted in 1999-2000 included excavation of contaminated soils from a number of properties. The criteria for removal included properties with soil samples collected outside the roof drip line) containing lead concentrations equal to or greater than 400 mg/kg. Currently, removals have occurred at 221 properties. No further soil remedial action at these properties is anticipated based on information currently available. Soil removal at additional residential properties is ongoing. Status September 2003):EPA is considering various alternatives for this site. The description of the site release) is based on information available at the time the site was evaluated with the HRS. The description may change as additional information is gatheredon the sources and extent of contamination. See 56 FR 5600, February 11, 1991, or subsequent FR notices. For more information about the ha ardous substances identified in this narrative summary, including general information regarding the effects of exposure to these substances on human health, please see the Agency for Toxic Substances and Disease Registry ATSDR) ToxFAQs. ATSDR ToxFAQs can be found on the Internet at http://www.atsdr.cdc.gov/toxfaq.html or by telephone at 1-888-42-ATSDR or 1-888-422-8737.

Site Status Details:

NPL Status:	Proposed
Proposed Date:	04/30/2003
Final Date:	Not reported
Deleted Date:	Not reported

Narratives Details:

NPL Name:	NEWTON COUNTY MINE TAILINGS
City:	GRANBY
State:	MO

CERCLIS:

Site ID:	0701651
EPA ID:	MOD981507585
Facility County:	NEWTON
Short Name:	NEWTON COUNTY MINE TAILIN
Congressional District:	07
IFMS ID:	07RZ
SMSA Number:	3710
USGC Hydro Unit:	11070207
Federal Facility:	Not a Federal Facility
DMNSN Number:	0.00000
Site Orphan Flag:	N
RCRA ID:	Not reported
USGS Quadrangle:	Not reported

NEWTON COUNTY MINE TAILINGS (Continued) **1000139728**

Site Init By Prog:	Not reported
NFRAP Flag:	Not reported
Parent ID:	Not reported
RST Code:	Not reported
EPA Region:	07
Classification:	Mines/Tailings
Site Settings Code:	Not reported
NPL Status:	Currently on the Final NPL
DMNSN Unit Code:	Not reported
RBRAC Code:	Not reported
RResp Fed Agency Code:	Not reported
Non NPL Status:	Not reported
Non NPL Status Date:	/ /
Site Fips Code:	29145
CC Concurrence Date:	/ /
CC Concurrence FY:	Not reported
Alias EPA ID:	Not reported
Site FUDS Flag:	Not reported

CERCLIS Site Contact Name(s):

Contact ID:	7000126.00000
Contact Name:	DEBBIE KRING
Contact Tel:	(913) 551-7725
Contact Title:	Community Involvement Coordinator
Contact Email:	Not reported

Contact ID:	13003037.00000
Contact Name:	STEVE AUCHTERLONIE
Contact Tel:	(913) 551-7778
Contact Title:	Remedial Project Manager (RPM)
Contact Email:	Not reported

CERCLIS Site Alias Name(s):

Alias ID:	101
Alias Name:	TRI STATE MINING - GRANBY
Alias Address:	Not reported MO
Alias ID:	102
Alias Name:	NEWTON COUNTY MINE TAILINGS
Alias Address:	NORTHERN SECTION OF NEWTON COUNTY GRANBY, MO 64844
Alias Comments:	Not reported

Site Description: The Site is located in the northern portion of Newton County in southwest Missouri. Approximately 50,000 people live in the area. The climate is continental with moderate winters and long, hot summers. The annual precipitation is about 40 inches. All watersheds of the Site are within the Spring River drainage basin, a 2,600 square-mile basin in southwest Missouri, southeast Kansas, and northeast Oklahoma, and that drains to the Grand Lake ofthe Cherokees. The principal tributaries of the Spring River in the Site are Shoal Creek, which flows through the central portion of the Site, and Lost Creek, which flows through the southwestern portion of the Site. These two streams are typical Ozark streams where base flows are sustained by springs from limestone in the headwater areas. The streams that flow through the Site contain a variety of temperate species and are characterized by alternating pools and riffles, and mixed sand, gravel, and boulder bottoms. Water quality in the Spring River and its tributaries is influenced by runoff

NEWTON COUNTY MINE TAILINGS (Continued) **1000139728**

and seepage from milling wastes, sediment migration from mining source areas into the streams, runoff from agricultural and urban areas, and wastewater discharge. Water quality in the Spring River and its tributaries is regulated by the state of Missouri for various designated uses: (1) livestock watering, (2) irrigation, (3) protection of aquatic life, (4) drinking water supply, (5) whole body contact, (6) boating, and (7) industrial water supply. Two major aquifers underlie the Site: a shallow Mississippian aquifer and a deep Ozark aquifer. The two aquifers consist offractured and karst limestone in the shallow aquifer and the Roubidoux sandstone in the deep aquifer. The two aquifers are separated by a 400-foot-thick sequence of shale and limestone that yields little or no water to wells. This sequence of shale and limestone acts as an impermeable confining layer or semi-confining layer between the two aquifers. The shallow aquifer generally exhibits unconfined or water-table conditions except where the Pennsylvanian shale is present above the limestone. The shallow aquifer hosts the lead-zinc ores. Many private wells tap the shallow aquifer for drinking water and are contaminated with cadmium, lead, and zinc. Public water supplies are drawn from the deep aquifer and from Shoal Creek. Approximately 2.8 million cubic yards of mining and milling wastes are located within the Site on approximately 260 acres. The Granby Subdistrict contains approximately 1.5 million cubic yards of waste on 128 acres. The Spring City/Spurgeon Subdistrict contains approximately 1.2 million cubic yards of waste on 126 acres. The Stark City Subdistrict contains approximately 37,000 cubic yards of waste on 3.3 acres. The Wentworth Subdistrict contains approximately 8,000 cubic yards of waste on 1.3 acres. The Diamond Subdistrict contains approximately 1,000 cubic yards of waste on 3 acres. Land use in Newton County is currently dominated by agriculture. The landscape consists of several types of terrestrial communities that include woodlands, grasslands, pastures, old fields, and mine-related areas. Residential, urban, and commercial/industrial areas combined cover about 30 percent of the area. Several of the mine and mill waste piles are located in close proximity to residential housing areas, which have the potential for future development and expansion onto the waste areas. The Site part of the Tri-State Mining District which encompasses approximately 2,500 square miles of Missouri, Kansas, and Oklahoma. The Tri-State Mining District's historic lead and zinc production formerly ranked as one of the highest in the world with total ore production estimated to have been slightly more than 500 million short tons. The Missouri portion of the district accounted for approximately 200 million short tons of the ore production. Mining at the Site was conducted from around 1850 to 1970. The majority ofthe mining was conducted by underground methods where the mined ore was hoisted from the underground workings and treated at mills on the surface. At the mills, the crude ore was crushed and sized to less than 5/8 inch, and then concentrated using gravity-separation processes, or froth-flotation after about 1920. The wastes, produced from milling ofthe ore, primarily consisted of two types of material depending on the milling process used. Chat is sand- and gravel-sized particles produced by dry gravity separation processes. Tailings are sand- and silt-sized particles produced by froth flotation which were slurried to diked impoundments. After 150 years of mining activities, the presence of chat piles, tailing impoundments, and waste mine rock piles, are common features of the landscape in Newton County. Over the past few decades much of the total volume of surface mine wastes has been removed and reused. However, there are still hundreds of acres of mining and milling wastes that remain. Much of the wastes are contaminated with residual heavy metals and have the potential to contaminate surface soils, groundwater, surface water, and stream sediments. EPA placed the Newton County portion ofthe Tri-State Mining District on the National Priorities List (NPL) on September 29, 2003. The NPL is a national list of Superfund sites that prioritizes cleanups in order of the most serious contamination problems and

NEWTON COUNTY MINE TAILINGS (Continued) **1000139728**

greatest threats to human health and the environment. The Site includes wastes in and around 14 mining camps located within approximately 300 square miles of Newton County. These locations have been grouped into the following five subdistricts: -Spring City/Spurgeon Subdistrict -Diamond Subdistrict -Granby Subdistrict -Stark City Subdistrict -Wentworth Subdistrict A preliminary assessment was conducted in the Granby area in 1986 revealing elevated levels of cadmium, lead, and zinc significantly above background concentrations in soil and groundwater. In 1989, the Missouri Department of Natural Resources (MDNR) reconfirmed elevated lead levels in surface water and soil. An expanded site assessment was conducted by EPA in 1995 around Granby, Wentworth, and Stark City that focused on determining heavy metals concentrations in mining and milling wastes, surface soils, ssrface water, and stream sediments. The discovery of an elevated blood-lead level in a child living in the Spring City area in 1995 resulted in further assessment activities of residential yardd soil and private drinking water wells in and around Spring City. As a result of these assessments, EPA expanded its investigations of private water wells and residential yard soil in known mining areas throughout the county. Due to the large number of private residential drinking water wells identified with high levels of lead and cadmium throughout the Site, EPA began providing bottled water to homes in 1998. This action served as a tempormy response action while public water supply systems were designed and constructed as part of the CERCLA removal action to replace the contaminated wells. EPA began construction of the public water supplies in 2003 which are expected to be completed this year. In total, over 100 miles of new public water supply mains will be installed throughout the Site to serve areas with contaminated residential wells. Additionally, approximately 100 individual deep-aquifer drinking water wells have been installed for homes where it was not feasible to install public water supply mains. In 1999, EPA began a removal action for lead-contaminated residential yard soil in approximately 100 properties in the Operable Unit 2 (OU2) portion of the Site. Meanwhile, the Responsible Parties removed lead-contaminated residential yard soil at approximately 300 properties in the OU 1 portion of the Site, mostly in the city of Granby, under an Administrative Order on Consent (AOC). The removal actions for contaminated residential yard soil and the installation of public water supplies to replace the private residential water wells have been completed and, therefore, the immediate health risks to people will have been addressed. The remaining risks to the environment and potential human exposure at the Site result from the presence ofthe mining andmilling wastes located throughout the county. In 2008, EPA conducted a Remedial Investigation (RI), which focused on these wastes and associated soil. After completion ofthe RI, EPA conducted a Feasibility Study (FS), which was completed in September 2009. The FS assessed the information about the nature and extent of contamination in the subdistricts and developed alternatives for the remedial action for the entire Site. The remedial alternatives developed and evaluated in the FS form the basis of this Record of Decision (ROD). A ROD addressing OU1 of the Newton County Mine Tailings Superfund Site was completed in June, 2010. A ROD addressing OU2 of the Newton County Mine Tailings Superfund Site was completed in June, 2010.

CERCLIS Assessment History:

Action Code:	001
Action:	DISCOVERY
Date Started:	/ /
Date Completed:	03/26/86
Priority Level:	Not reported
Operable Unit:	SITE EVALUATION/DISPOSITION
Primary Responsibility:	EPA Fund-Financed

NEWTON COUNTY MINE TAILINGS (Continued) **1000139728**

Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: PRELIMINARY ASSESSMENT
Date Started: 06/25/86
Date Completed: 07/23/87
Priority Level: Low priority for further assessment
Operable Unit: SITE EVALUATION/DISPOSITION
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: SITE INSPECTION
Date Started: 01/24/89
Date Completed: 12/28/89
Priority Level: Higher priority for further assessment
Operable Unit: SITE EVALUATION/DISPOSITION
Primary Responsibility: State, Fund Financed
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: EXPANDED SITE INSPECTION
Date Started: 04/06/95
Date Completed: 07/28/95
Priority Level: Recommended for HRS Scoring
Operable Unit: SITE EVALUATION/DISPOSITION
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: REMOVAL ASSESSMENT
Date Started: 03/13/96
Date Completed: 05/29/96
Priority Level: Not reported
Operable Unit: DIAMOND/SPRING CITY/GRANBY
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

NEWTON COUNTY MINE TAILINGS (Continued) **1000139728**

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: UNILATERAL ADMIN ORDER
Date Started: / /
Date Completed: 07/09/96
Priority Level: Not reported
Operable Unit: SITE EVALUATION/DISPOSITION
Primary Responsibility: Federal Enforcement
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: NEGOTIATION (GENERIC)
Date Started: 03/15/96
Date Completed: 06/20/97
Priority Level: Not reported
Operable Unit: DIAMOND/SPRING CITY/GRANBY
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: ADMINISTRATIVE ORDER ON CONSENT
Date Started: / /
Date Completed: 06/20/97
Priority Level: Not reported
Operable Unit: DIAMOND/SPRING CITY/GRANBY
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: REMOVAL COMMUNITY RELATIONS
Date Started: 05/16/98
Date Completed: 08/29/98
Priority Level: Not reported
Operable Unit: REMAINDER OF NEWTON COUNTY
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003

NEWTON COUNTY MINE TAILINGS (Continued) **1000139728**

Action:	REMOVAL
Date Started:	07/07/99
Date Completed:	10/14/99
Priority Level:	Cleaned up
Operable Unit:	REMAINDER OF NEWTON COUNTY
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Primary
Urgency Indicator:	Time Critical
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	002
Action:	POTENTIALLY RESPONSIBLE PARTY REMOVAL
Date Started:	07/07/99
Date Completed:	10/14/99
Priority Level:	Cleaned up
Operable Unit:	DIAMOND/SPRING CITY/GRANBY
Primary Responsibility:	Responsible Party
Planning Status:	Primary
Urgency Indicator:	Time Critical
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	003
Action:	REMOVAL ASSESSMENT
Date Started:	06/17/97
Date Completed:	07/09/01
Priority Level:	Not reported
Operable Unit:	DIAMOND/SPRING CITY/GRANBY
Primary Responsibility:	Responsible Party
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	ENGINEERING EVALUATION/COST ANALYSIS
Date Started:	06/20/97
Date Completed:	08/15/01
Priority Level:	Not reported
Operable Unit:	DIAMOND/SPRING CITY/GRANBY
Primary Responsibility:	Responsible Party
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	003
Action:	ENGINEERING EVALUATION/COST ANALYSIS
Date Started:	04/01/01
Date Completed:	09/26/01
Priority Level:	Not reported
Operable Unit:	REMAINDER OF NEWTON COUNTY
Primary Responsibility:	EPA Fund-Financed

NEWTON COUNTY MINE TAILINGS (Continued) **1000139728**

Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 005
Action: REMOVAL
Date Started: 10/29/01
Date Completed: 03/23/02
Priority Level: Cleaned up
Operable Unit: REMAINDER OF NEWTON COUNTY
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Non-Time Critical
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: NEGOTIATION (GENERIC)
Date Started: 01/16/02
Date Completed: 04/15/02
Priority Level: Not reported
Operable Unit: DIAMOND/SPRING CITY/GRANBY
Primary Responsibility: Federal Enforcement
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: UNILATERAL ADMIN ORDER
Date Started: / /
Date Completed: 04/15/02
Priority Level: Not reported
Operable Unit: DIAMOND/SPRING CITY/GRANBY
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: Notice of Intent by All Parties
Date Started: / /
Date Completed: 04/23/02
Priority Level: Not reported
Operable Unit: DIAMOND/SPRING CITY/GRANBY
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

NEWTON COUNTY MINE TAILINGS (Continued) **1000139728**

Action Code:	003
Action:	NEGOTIATION (GENERIC)
Date Started:	05/03/01
Date Completed:	06/12/02
Priority Level:	Not reported
Operable Unit:	SITE EVALUATION/DISPOSITION
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	007
Action:	REMOVAL
Date Started:	04/01/02
Date Completed:	06/15/02
Priority Level:	Cleaned up
Operable Unit:	DIAMOND/SPRING CITY/GRANBY
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Primary
Urgency Indicator:	Non-Time Critical
Action Anomaly:	Original Action Take Over

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	Lodged By DOJ
Date Started:	/ /
Date Completed:	04/10/03
Priority Level:	Not reported
Operable Unit:	SITE EVALUATION/DISPOSITION
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	003
Action:	POTENTIALLY RESPONSIBLE PARTY REMOVAL
Date Started:	06/15/02
Date Completed:	04/25/03
Priority Level:	Cleaned up
Operable Unit:	DIAMOND/SPRING CITY/GRANBY
Primary Responsibility:	Responsible Party
Planning Status:	Primary
Urgency Indicator:	Non-Time Critical
Action Anomaly:	New Action Resulting from Take Over

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	PROPOSAL TO NATIONAL PRIORITIES LIST
Date Started:	/ /
Date Completed:	04/30/03
Priority Level:	Not reported

NEWTON COUNTY MINE TAILINGS (Continued) **1000139728**

Operable Unit: SITE EVALUATION/DISPOSITION
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: CONSENT DECREE
Date Started: 06/12/02
Date Completed: 07/07/03
Priority Level: Not reported
Operable Unit: SITE EVALUATION/DISPOSITION
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: REMOVAL ASSESSMENT
Date Started: 05/01/98
Date Completed: 09/25/03
Priority Level: Not reported
Operable Unit: REMAINDER OF NEWTON COUNTY
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: ENGINEERING EVALUATION/COST ANALYSIS
Date Started: 03/01/01
Date Completed: 09/25/03
Priority Level: Not reported
Operable Unit: REMAINDER OF NEWTON COUNTY
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: HAZARD RANKING SYSTEM PACKAGE
Date Started: 06/20/01
Date Completed: 09/29/03
Priority Level: Being considered for proposal to the NPL
Operable Unit: SITE EVALUATION/DISPOSITION
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

NEWTON COUNTY MINE TAILINGS (Continued) **1000139728**

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	FINAL LISTING ON NATIONAL PRIORITIES LIST
Date Started:	/ /
Date Completed:	09/29/03
Priority Level:	Not reported
Operable Unit:	SITE EVALUATION/DISPOSITION
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	004
Action:	NEGOTIATION (GENERIC)
Date Started:	03/09/05
Date Completed:	11/22/06
Priority Level:	Not reported
Operable Unit:	DIAMOND/SPRING CITY/GRANBY
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	002
Action:	Lodged By DOJ
Date Started:	/ /
Date Completed:	12/12/06
Priority Level:	Not reported
Operable Unit:	DIAMOND/SPRING CITY/GRANBY
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	002
Action:	CONSENT DECREE
Date Started:	11/22/06
Date Completed:	02/12/07
Priority Level:	Not reported
Operable Unit:	DIAMOND/SPRING CITY/GRANBY
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

NEWTON COUNTY MINE TAILINGS (Continued) **1000139728**

Action Code: 001
Action: JUDICIAL/CIVIL JUDGMENT
Date Started: / /
Date Completed: 02/04/08
Priority Level: Not reported
Operable Unit: SITE EVALUATION/DISPOSITION
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: TECHNICAL ASSISTANCE
Date Started: 08/09/05
Date Completed: 07/17/08
Priority Level: Not reported
Operable Unit: DIAMOND/SPRING CITY/GRANBY
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: STATE SUPPORT AGENCY COOPERATIVE AGREEMENT
Date Started: / /
Date Completed: 04/01/09
Priority Level: Not reported
Operable Unit: DIAMOND/SPRING CITY/GRANBY
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: POTENTIALLY RESPONSIBLE PARTY REMOVAL
Date Started: 06/21/96
Date Completed: 08/18/09
Priority Level: Cleaned up
Operable Unit: DIAMOND/SPRING CITY/GRANBY
Primary Responsibility: Responsible Party
Planning Status: Alternate
Urgency Indicator: Time Critical
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: REMOVAL
Date Started: 04/13/98
Date Completed: 08/18/09
Priority Level: Cleaned up
Operable Unit: DIAMOND/SPRING CITY/GRANBY

NEWTON COUNTY MINE TAILINGS (Continued) **1000139728**

Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Time Critical
Action Anomaly: Other Completion Anomaly

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: NON-NATIONAL PRIORITIES LIST POTENTIALLY RESPONSIBLE PARTY SEARCH
Date Started: 06/29/98
Date Completed: 09/28/09
Priority Level: Search Complete, Viable PRPs
Operable Unit: SITE EVALUATION/DISPOSITION
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: COMBINED REMEDIAL INVESTIGATION/FEASIBILITY STUDY
Date Started: 09/29/06
Date Completed: 06/21/10
Priority Level: Not reported
Operable Unit: REMAINDER OF NEWTON COUNTY
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003
Action: RECORD OF DECISION
Date Started: / /
Date Completed: 06/21/10
Priority Level: Not reported
Operable Unit: DIAMOND/SPRING CITY/GRANBY
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Other Completion Anomaly

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003
Action: COMBINED REMEDIAL INVESTIGATION/FEASIBILITY STUDY
Date Started: / /
Date Completed: 06/21/10
Priority Level: Not reported
Operable Unit: DIAMOND/SPRING CITY/GRANBY
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Other Start and Completion Anomaly

For detailed financial records, contact EDR for a Site Report.:

NEWTON COUNTY MINE TAILINGS (Continued) **1000139728**

Action Code:	001
Action:	RECORD OF DECISION
Date Started:	/ /
Date Completed:	06/21/10
Priority Level:	Not reported
Operable Unit:	REMAINDER OF NEWTON COUNTY
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	006
Action:	NEGOTIATION (GENERIC)
Date Started:	/ /
Date Completed:	06/24/10
Priority Level:	Not reported
Operable Unit:	DIAMOND/SPRING CITY/GRANBY
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	003
Action:	Lodged By DOJ
Date Started:	/ /
Date Completed:	07/14/10
Priority Level:	Not reported
Operable Unit:	DIAMOND/SPRING CITY/GRANBY
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	004
Action:	CONSENT DECREE
Date Started:	06/24/10
Date Completed:	09/21/10
Priority Level:	Not reported
Operable Unit:	DIAMOND/SPRING CITY/GRANBY
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	007
Action:	NEGOTIATION (GENERIC)
Date Started:	12/20/10

NEWTON COUNTY MINE TAILINGS (Continued) **1000139728**

Date Completed: 01/31/11
Priority Level: Not reported
Operable Unit: SITE EVALUATION/DISPOSITION
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: CONSENT AGREEMENT (ADMINISTRATIVE)
Date Started: / /
Date Completed: 01/31/11
Priority Level: Not reported
Operable Unit: SITE EVALUATION/DISPOSITION
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 005
Action: NEGOTIATION (GENERIC)
Date Started: 12/20/10
Date Completed: 09/07/11
Priority Level: Not reported
Operable Unit: DIAMOND/SPRING CITY/GRANBY
Primary Responsibility: Federal Enforcement
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 004
Action: Lodged By DOJ
Date Started: / /
Date Completed: 10/18/11
Priority Level: Not reported
Operable Unit: DIAMOND/SPRING CITY/GRANBY
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003
Action: CONSENT DECREE
Date Started: 09/07/11
Date Completed: 02/22/12
Priority Level: Not reported
Operable Unit: DIAMOND/SPRING CITY/GRANBY

NEWTON COUNTY MINE TAILINGS (Continued) **1000139728**

Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: REMOVAL
Date Started: 06/08/98
Date Completed: 04/17/12
Priority Level: Cleaned up
Operable Unit: REMAINDER OF NEWTON COUNTY
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Time Critical
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 004
Action: REMOVAL
Date Started: 09/26/03
Date Completed: 04/17/12
Priority Level: Cleaned up
Operable Unit: REMAINDER OF NEWTON COUNTY
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Non-Time Critical
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: REMEDIAL DESIGN
Date Started: 09/24/10
Date Completed: 08/10/12
Priority Level: Not reported
Operable Unit: REMAINDER OF NEWTON COUNTY
Primary Responsibility: EPA Fund-Financed
Planning Status: Alternate
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: CLAIM IN BANKRUPTCY PROCEEDING
Date Started: 10/07/05
Date Completed: 08/13/12
Priority Level: Not reported
Operable Unit: SITE EVALUATION/DISPOSITION
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

NEWTON COUNTY MINE TAILINGS (Continued) **1000139728**

Action Code:	004
Action:	POTENTIALLY RESPONSIBLE PARTY REMOVAL
Date Started:	12/01/06
Date Completed:	/ /
Priority Level:	Stabilized
Operable Unit:	DIAMOND/SPRING CITY/GRANBY
Primary Responsibility:	Responsible Party
Planning Status:	Approved
Urgency Indicator:	Non-Time Critical
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Federal Register Details:

Fed Register Date:	09/29/03
Fed Register Volume:	68
Page Number:	55875

Fed Register Date:	04/30/03
Fed Register Volume:	68
Page Number:	23094

Click this hyperlink while viewing on your computer to access
2820 additional US CERCLIS Financial: record(s) in the EDR Site Report.

US ENG CONTROLS:

EPA ID:	MOD981507585
Site ID:	0701651
Name:	NEWTON COUNTY MINE TAILINGS
Address:	ENTIRE TOWN OF GRANBY, MO 64844
EPA Region:	07
County:	NEWTON
Event Code:	Not reported
Actual Date:	06/30/2010

Action ID:	001
Action Name:	RECORD OF DECISION
Action Completion date:	06/21/2010
Operable Unit:	02
Contaminated Media :	Sediment
Engineering Control:	Cap

Action ID:	001
Action Name:	RECORD OF DECISION
Action Completion date:	06/21/2010
Operable Unit:	02
Contaminated Media :	Sediment
Engineering Control:	Consolidate

Action ID:	001
Action Name:	RECORD OF DECISION
Action Completion date:	06/21/2010
Operable Unit:	02
Contaminated Media :	Sediment
Engineering Control:	Disposal

NEWTON COUNTY MINE TAILINGS (Continued) **1000139728**

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 06/21/2010
Operable Unit: 02
Contaminated Media : Sediment
Engineering Control: Excavation

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 06/21/2010
Operable Unit: 02
Contaminated Media : Sediment
Engineering Control: Inland Containment Cell

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 06/21/2010
Operable Unit: 02
Contaminated Media : Sediment
Engineering Control: Revegetation

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 06/21/2010
Operable Unit: 02
Contaminated Media : Sediment
Engineering Control: Surface Drainage Control

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 06/21/2010
Operable Unit: 02
Contaminated Media : Soil
Engineering Control: Cap

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 06/21/2010
Operable Unit: 02
Contaminated Media : Soil
Engineering Control: Consolidate

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 06/21/2010
Operable Unit: 02
Contaminated Media : Soil
Engineering Control: Disposal

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 06/21/2010
Operable Unit: 02
Contaminated Media : Soil
Engineering Control: Excavation

Action ID: 001

NEWTON COUNTY MINE TAILINGS (Continued) **1000139728**

Action Name: RECORD OF DECISION
Action Completion date: 06/21/2010
Operable Unit: 02
Contaminated Media : Soil
Engineering Control: Revegetation

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 06/21/2010
Operable Unit: 02
Contaminated Media : Soil
Engineering Control: Surface Drainage Control

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 06/21/2010
Operable Unit: 02
Contaminated Media : Solid Waste
Engineering Control: Cap

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 06/21/2010
Operable Unit: 02
Contaminated Media : Solid Waste
Engineering Control: Consolidate

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 06/21/2010
Operable Unit: 02
Contaminated Media : Solid Waste
Engineering Control: Disposal

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 06/21/2010
Operable Unit: 02
Contaminated Media : Solid Waste
Engineering Control: Excavation

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 06/21/2010
Operable Unit: 02
Contaminated Media : Solid Waste
Engineering Control: Revegetation

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 06/21/2010
Operable Unit: 02
Contaminated Media : Solid Waste
Engineering Control: Soil Amendments (for Ecological Revitalization)

Action ID: 001
Action Name: RECORD OF DECISION

NEWTON COUNTY MINE TAILINGS (Continued) **1000139728**

Action Completion date: 06/21/2010
Operable Unit: 02
Contaminated Media : Solid Waste
Engineering Control: Surface Drainage Control

Action ID: 003
Action Name: RECORD OF DECISION
Action Completion date: 06/21/2010
Operable Unit: 01
Contaminated Media : Sediment
Engineering Control: Cap

Action ID: 003
Action Name: RECORD OF DECISION
Action Completion date: 06/21/2010
Operable Unit: 01
Contaminated Media : Sediment
Engineering Control: Consolidate

Action ID: 003
Action Name: RECORD OF DECISION
Action Completion date: 06/21/2010
Operable Unit: 01
Contaminated Media : Sediment
Engineering Control: Disposal

Action ID: 003
Action Name: RECORD OF DECISION
Action Completion date: 06/21/2010
Operable Unit: 01
Contaminated Media : Sediment
Engineering Control: Excavation

Action ID: 003
Action Name: RECORD OF DECISION
Action Completion date: 06/21/2010
Operable Unit: 01
Contaminated Media : Sediment
Engineering Control: Inland Containment Cell

Action ID: 003
Action Name: RECORD OF DECISION
Action Completion date: 06/21/2010
Operable Unit: 01
Contaminated Media : Sediment
Engineering Control: Revegetation

Action ID: 003
Action Name: RECORD OF DECISION
Action Completion date: 06/21/2010
Operable Unit: 01
Contaminated Media : Sediment
Engineering Control: Surface Drainage Control

Action ID: 003
Action Name: RECORD OF DECISION
Action Completion date: 06/21/2010

NEWTON COUNTY MINE TAILINGS (Continued) **1000139728**

Operable Unit: 01
Contaminated Media : Soil
Engineering Control: Cap

Action ID: 003
Action Name: RECORD OF DECISION
Action Completion date: 06/21/2010
Operable Unit: 01
Contaminated Media : Soil
Engineering Control: Consolidate

Action ID: 003
Action Name: RECORD OF DECISION
Action Completion date: 06/21/2010
Operable Unit: 01
Contaminated Media : Soil
Engineering Control: Disposal

Action ID: 003
Action Name: RECORD OF DECISION
Action Completion date: 06/21/2010
Operable Unit: 01
Contaminated Media : Soil
Engineering Control: Excavation

Action ID: 003
Action Name: RECORD OF DECISION
Action Completion date: 06/21/2010
Operable Unit: 01
Contaminated Media : Soil
Engineering Control: Revegetation

Action ID: 003
Action Name: RECORD OF DECISION
Action Completion date: 06/21/2010
Operable Unit: 01
Contaminated Media : Soil
Engineering Control: Surface Drainage Control

Action ID: 003
Action Name: RECORD OF DECISION
Action Completion date: 06/21/2010
Operable Unit: 01
Contaminated Media : Solid Waste
Engineering Control: Cap

Action ID: 003
Action Name: RECORD OF DECISION
Action Completion date: 06/21/2010
Operable Unit: 01
Contaminated Media : Solid Waste
Engineering Control: Consolidate

Action ID: 003
Action Name: RECORD OF DECISION
Action Completion date: 06/21/2010
Operable Unit: 01

NEWTON COUNTY MINE TAILINGS (Continued) **1000139728**

Contaminated Media : Solid Waste
Engineering Control: Disposal

Action ID: 003
Action Name: RECORD OF DECISION
Action Completion date: 06/21/2010
Operable Unit: 01
Contaminated Media : Solid Waste
Engineering Control: Excavation

Action ID: 003
Action Name: RECORD OF DECISION
Action Completion date: 06/21/2010
Operable Unit: 01
Contaminated Media : Solid Waste
Engineering Control: Revegetation

Action ID: 003
Action Name: RECORD OF DECISION
Action Completion date: 06/21/2010
Operable Unit: 01
Contaminated Media : Solid Waste
Engineering Control: Soil Amendments (for Ecological Revitalization)

Action ID: 003
Action Name: RECORD OF DECISION
Action Completion date: 06/21/2010
Operable Unit: 01
Contaminated Media : Solid Waste
Engineering Control: Surface Drainage Control

US INST CONTROL:
EPA ID: MOD981507585
Site ID: 0701651
Name: NEWTON COUNTY MINE TAILINGS
Action Name: RECORD OF DECISION
Address: ENTIRE TOWN OF
GRANBY, MO 64844
EPA Region: 07
County: NEWTON
Event Code: Not reported
Inst. Control: Covenant
Actual Date: 06/30/2010
Complet. Date: 06/21/2010
Operable Unit: 02
Contaminated Media : Sediment

EPA ID: MOD981507585
Site ID: 0701651
Name: NEWTON COUNTY MINE TAILINGS
Action Name: RECORD OF DECISION
Address: ENTIRE TOWN OF
GRANBY, MO 64844
EPA Region: 07
County: NEWTON
Event Code: Not reported

NEWTON COUNTY MINE TAILINGS (Continued) **1000139728**

Inst. Control: Deed Restriction
Actual Date: 06/30/2010
Complet. Date: 06/21/2010
Operable Unit: 02
Contaminated Media : Sediment

EPA ID: MOD981507585
Site ID: 0701651
Name: NEWTON COUNTY MINE TAILINGS
Action Name: RECORD OF DECISION
Address: ENTIRE TOWN OF
GRANBY, MO 64844
EPA Region: 07
County: NEWTON
Event Code: Not reported
Inst. Control: Covenant
Actual Date: 06/30/2010
Complet. Date: 06/21/2010
Operable Unit: 02
Contaminated Media : Soil

EPA ID: MOD981507585
Site ID: 0701651
Name: NEWTON COUNTY MINE TAILINGS
Action Name: RECORD OF DECISION
Address: ENTIRE TOWN OF
GRANBY, MO 64844
EPA Region: 07
County: NEWTON
Event Code: Not reported
Inst. Control: Deed Restriction
Actual Date: 06/30/2010
Complet. Date: 06/21/2010
Operable Unit: 02
Contaminated Media : Soil

EPA ID: MOD981507585
Site ID: 0701651
Name: NEWTON COUNTY MINE TAILINGS
Action Name: RECORD OF DECISION
Address: ENTIRE TOWN OF
GRANBY, MO 64844
EPA Region: 07
County: NEWTON
Event Code: Not reported
Inst. Control: Covenant
Actual Date: 06/30/2010
Complet. Date: 06/21/2010
Operable Unit: 02
Contaminated Media : Solid Waste

EPA ID: MOD981507585
Site ID: 0701651
Name: NEWTON COUNTY MINE TAILINGS
Action Name: RECORD OF DECISION
Address: ENTIRE TOWN OF
GRANBY, MO 64844

NEWTON COUNTY MINE TAILINGS (Continued) **1000139728**

EPA Region: 07
County: NEWTON
Event Code: Not reported
Inst. Control: Deed Restriction
Actual Date: 06/30/2010
Complet. Date: 06/21/2010
Operable Unit: 02
Contaminated Media : Solid Waste

EPA ID: MOD981507585
Site ID: 0701651
Name: NEWTON COUNTY MINE TAILINGS
Action Name: RECORD OF DECISION
Address: ENTIRE TOWN OF
GRANBY, MO 64844
EPA Region: 07
County: NEWTON
Event Code: Not reported
Inst. Control: Covenant
Actual Date: Not reported
Complet. Date: 06/21/2010
Operable Unit: 01
Contaminated Media : Sediment

EPA ID: MOD981507585
Site ID: 0701651
Name: NEWTON COUNTY MINE TAILINGS
Action Name: RECORD OF DECISION
Address: ENTIRE TOWN OF
GRANBY, MO 64844
EPA Region: 07
County: NEWTON
Event Code: Not reported
Inst. Control: Deed Restriction
Actual Date: Not reported
Complet. Date: 06/21/2010
Operable Unit: 01
Contaminated Media : Sediment

EPA ID: MOD981507585
Site ID: 0701651
Name: NEWTON COUNTY MINE TAILINGS
Action Name: RECORD OF DECISION
Address: ENTIRE TOWN OF
GRANBY, MO 64844
EPA Region: 07
County: NEWTON
Event Code: Not reported
Inst. Control: Covenant
Actual Date: Not reported
Complet. Date: 06/21/2010
Operable Unit: 01
Contaminated Media : Soil

EPA ID: MOD981507585
Site ID: 0701651
Name: NEWTON COUNTY MINE TAILINGS

NEWTON COUNTY MINE TAILINGS (Continued) **1000139728**

Action Name:	RECORD OF DECISION
Address:	ENTIRE TOWN OF
	GRANBY, MO 64844
EPA Region:	07
County:	NEWTON
Event Code:	Not reported
Inst. Control:	Deed Restriction
Actual Date:	Not reported
Complet. Date:	06/21/2010
Operable Unit:	01
Contaminated Media :	Soil

EPA ID:	MOD981507585
Site ID:	0701651
Name:	NEWTON COUNTY MINE TAILINGS
Action Name:	RECORD OF DECISION
Address:	ENTIRE TOWN OF
	GRANBY, MO 64844
EPA Region:	07
County:	NEWTON
Event Code:	Not reported
Inst. Control:	Drilling Restriction
Actual Date:	Not reported
Complet. Date:	06/21/2010
Operable Unit:	01
Contaminated Media :	Soil

EPA ID:	MOD981507585
Site ID:	0701651
Name:	NEWTON COUNTY MINE TAILINGS
Action Name:	RECORD OF DECISION
Address:	ENTIRE TOWN OF
	GRANBY, MO 64844
EPA Region:	07
County:	NEWTON
Event Code:	Not reported
Inst. Control:	Covenant
Actual Date:	Not reported
Complet. Date:	06/21/2010
Operable Unit:	01
Contaminated Media :	Solid Waste

EPA ID:	MOD981507585
Site ID:	0701651
Name:	NEWTON COUNTY MINE TAILINGS
Action Name:	RECORD OF DECISION
Address:	ENTIRE TOWN OF
	GRANBY, MO 64844
EPA Region:	07
County:	NEWTON
Event Code:	Not reported
Inst. Control:	Deed Restriction
Actual Date:	Not reported
Complet. Date:	06/21/2010
Operable Unit:	01
Contaminated Media :	Solid Waste

NEWTON COUNTY MINE TAILINGS (Continued) **1000139728**

ROD:

Full-text of USEPA Record of Decision(s) is available from EDR.

ICIS:

Enforcement Action ID:	07-2011-0163
FRS ID:	110009339554
Program ID:	FRS 110009339554
Action Name:	NEWTON COUNTY MINE TAILINGS SUPERFUND SITE; GOLDFIELD CORPORATION
Full Address:	ENTIRE TOWN OF ENTIRE TOWN OF GRANBY MO 64844
State:	Missouri
Facility Name:	NEWTON COUNTY MINE TAILINGS
Facility Address:	ENTIRE TOWN OF GRANBY, MO 64844
Enforcement Action Type:	CERCLA 122h Agrmt For Cost Recovery
Facility County:	NEWTON
EPA Region #:	7

Enforcement Action ID:	07-2011-0163
FRS ID:	110009339554
Program ID:	CERCLIS MOD981507585
Action Name:	NEWTON COUNTY MINE TAILINGS SUPERFUND SITE; GOLDFIELD CORPORATION
Full Address:	ENTIRE TOWN OF ENTIRE TOWN OF GRANBY MO 64844
State:	Missouri
Facility Name:	NEWTON COUNTY MINE TAILINGS
Facility Address:	ENTIRE TOWN OF GRANBY, MO 64844
Enforcement Action Type:	CERCLA 122h Agrmt For Cost Recovery
Facility County:	NEWTON
EPA Region #:	7

Enforcement Action ID:	07-2011-0163
FRS ID:	110009339554
Program ID:	MO-DNR 21103
Action Name:	NEWTON COUNTY MINE TAILINGS SUPERFUND SITE; GOLDFIELD CORPORATION
Full Address:	ENTIRE TOWN OF ENTIRE TOWN OF GRANBY MO 64844
State:	Missouri
Facility Name:	NEWTON COUNTY MINE TAILINGS
Facility Address:	ENTIRE TOWN OF GRANBY, MO 64844
Enforcement Action Type:	CERCLA 122h Agrmt For Cost Recovery
Facility County:	NEWTON
EPA Region #:	7

Enforcement Action ID:	07-2011-0151
FRS ID:	110009339554
Program ID:	CERCLIS MOD981507585
Action Name:	NEWTON COUNTY MINE TAILINGS SUPERFUND SITE
Full Address:	ENTIRE TOWN OF ENTIRE TOWN OF GRANBY MO 64844
State:	Missouri
Facility Name:	NEWTON COUNTY MINE TAILINGS
Facility Address:	ENTIRE TOWN OF GRANBY, MO 64844
Enforcement Action Type:	Civil Judicial Action
Facility County:	NEWTON
EPA Region #:	7

NEWTON COUNTY MINE TAILINGS (Continued) **1000139728**

Enforcement Action ID: 07-2011-0151
FRS ID: 110009339554
Program ID: FRS 110009339554
Action Name: NEWTON COUNTY MINE TAILINGS SUPERFUND SITE
Full Address: ENTIRE TOWN OF ENTIRE TOWN OF GRANBY MO 64844
State: Missouri
Facility Name: NEWTON COUNTY MINE TAILINGS
Facility Address: ENTIRE TOWN OF
GRANBY, MO 64844
Enforcement Action Type: Civil Judicial Action
Facility County: NEWTON
EPA Region #: 7

Enforcement Action ID: 07-2011-0151
FRS ID: 110009339554
Program ID: MO-DNR 21103
Action Name: NEWTON COUNTY MINE TAILINGS SUPERFUND SITE
Full Address: ENTIRE TOWN OF ENTIRE TOWN OF GRANBY MO 64844
State: Missouri
Facility Name: NEWTON COUNTY MINE TAILINGS
Facility Address: ENTIRE TOWN OF
GRANBY, MO 64844
Enforcement Action Type: Civil Judicial Action
Facility County: NEWTON
EPA Region #: 7

Enforcement Action ID: 07-2009-0150
FRS ID: 110009339554
Program ID: FRS 110009339554
Action Name: ASARCO, LLC (NATIONAL CASE)
Full Address: ENTIRE TOWN OF ENTIRE TOWN OF GRANBY MO 64844
State: Missouri
Facility Name: NEWTON COUNTY MINE TAILINGS
Facility Address: ENTIRE TOWN OF
GRANBY, MO 64844
Enforcement Action Type: Bankruptcy
Facility County: NEWTON
EPA Region #: 7

Enforcement Action ID: 07-2009-0150
FRS ID: 110009339554
Program ID: CERCLIS MOD981507585
Action Name: ASARCO, LLC (NATIONAL CASE)
Full Address: ENTIRE TOWN OF ENTIRE TOWN OF GRANBY MO 64844
State: Missouri
Facility Name: NEWTON COUNTY MINE TAILINGS
Facility Address: ENTIRE TOWN OF
GRANBY, MO 64844
Enforcement Action Type: Bankruptcy
Facility County: NEWTON
EPA Region #: 7

Enforcement Action ID: 07-2009-0150
FRS ID: 110009339554
Program ID: MO-DNR 21103
Action Name: ASARCO, LLC (NATIONAL CASE)
Full Address: ENTIRE TOWN OF ENTIRE TOWN OF GRANBY MO 64844

NEWTON COUNTY MINE TAILINGS (Continued) **1000139728**

State: Missouri
Facility Name: NEWTON COUNTY MINE TAILINGS
Facility Address: ENTIRE TOWN OF
GRANBY, MO 64844
Enforcement Action Type: Bankruptcy
Facility County: NEWTON
EPA Region #: 7

Enforcement Action ID: 07-2007-0055
FRS ID: 110009339554
Program ID: CERCLIS MOD981507585
Action Name: NEWTON COUNTY MINE TAILINGS SUPERFUND SITE OU1 GRANDBY SUBDISTRICT
Full Address: ENTIRE TOWN OF ENTIRE TOWN OF GRANBY MO 64844
State: Missouri
Facility Name: NEWTON COUNTY MINE TAILINGS
Facility Address: ENTIRE TOWN OF
GRANBY, MO 64844
Enforcement Action Type: Civil Judicial Action
Facility County: NEWTON
EPA Region #: 7

Enforcement Action ID: 07-2007-0055
FRS ID: 110009339554
Program ID: FRS 110009339554
Action Name: NEWTON COUNTY MINE TAILINGS SUPERFUND SITE OU1 GRANDBY SUBDISTRICT
Full Address: ENTIRE TOWN OF ENTIRE TOWN OF GRANBY MO 64844
State: Missouri
Facility Name: NEWTON COUNTY MINE TAILINGS
Facility Address: ENTIRE TOWN OF
GRANBY, MO 64844
Enforcement Action Type: Civil Judicial Action
Facility County: NEWTON
EPA Region #: 7

Enforcement Action ID: 07-2007-0055
FRS ID: 110009339554
Program ID: MO-DNR 21103
Action Name: NEWTON COUNTY MINE TAILINGS SUPERFUND SITE OU1 GRANDBY SUBDISTRICT
Full Address: ENTIRE TOWN OF ENTIRE TOWN OF GRANBY MO 64844
State: Missouri
Facility Name: NEWTON COUNTY MINE TAILINGS
Facility Address: ENTIRE TOWN OF
GRANBY, MO 64844
Enforcement Action Type: Civil Judicial Action
Facility County: NEWTON
EPA Region #: 7

Enforcement Action ID: 07-2002-0135
FRS ID: 110009339554
Program ID: CERCLIS MOD981507585
Action Name: NEWTON COUNTY MINE TAILINGS SITE, GRANBY SUBDISTRICT
Full Address: ENTIRE TOWN OF ENTIRE TOWN OF GRANBY MO 64844
State: Missouri
Facility Name: NEWTON COUNTY MINE TAILINGS
Facility Address: ENTIRE TOWN OF
GRANBY, MO 64844
Enforcement Action Type: CERCLA 106 AO For Resp Action/Imm Haz

NEWTON COUNTY MINE TAILINGS (Continued) **1000139728**

Facility County:	NEWTON
EPA Region #:	7
Enforcement Action ID:	07-2002-0135
FRS ID:	110009339554
Program ID:	FRS 110009339554
Action Name:	NEWTON COUNTY MINE TAILINGS SITE, GRANBY SUBDISTRICT
Full Address:	ENTIRE TOWN OF ENTIRE TOWN OF GRANBY MO 64844
State:	Missouri
Facility Name:	NEWTON COUNTY MINE TAILINGS
Facility Address:	ENTIRE TOWN OF GRANBY, MO 64844
Enforcement Action Type:	CERCLA 106 AO For Resp Action/Imm Haz
Facility County:	NEWTON
EPA Region #:	7
Enforcement Action ID:	07-2002-0135
FRS ID:	110009339554
Program ID:	MO-DNR 21103
Action Name:	NEWTON COUNTY MINE TAILINGS SITE, GRANBY SUBDISTRICT
Full Address:	ENTIRE TOWN OF ENTIRE TOWN OF GRANBY MO 64844
State:	Missouri
Facility Name:	NEWTON COUNTY MINE TAILINGS
Facility Address:	ENTIRE TOWN OF GRANBY, MO 64844
Enforcement Action Type:	CERCLA 106 AO For Resp Action/Imm Haz
Facility County:	NEWTON
EPA Region #:	7
Enforcement Action ID:	07-1996-0158
FRS ID:	110009339554
Program ID:	CERCLIS MOD981507585
Action Name:	NEWTON COUNTY, MO
Full Address:	ENTIRE TOWN OF ENTIRE TOWN OF GRANBY MO 64844
State:	Missouri
Facility Name:	NEWTON COUNTY MINE TAILINGS
Facility Address:	ENTIRE TOWN OF GRANBY, MO 64844
Enforcement Action Type:	CERCLA 106 AO For Resp Action/Imm Haz
Facility County:	NEWTON
EPA Region #:	7
Enforcement Action ID:	07-1996-0158
FRS ID:	110009339554
Program ID:	FRS 110009339554
Action Name:	NEWTON COUNTY, MO
Full Address:	ENTIRE TOWN OF ENTIRE TOWN OF GRANBY MO 64844
State:	Missouri
Facility Name:	NEWTON COUNTY MINE TAILINGS
Facility Address:	ENTIRE TOWN OF GRANBY, MO 64844
Enforcement Action Type:	CERCLA 106 AO For Resp Action/Imm Haz
Facility County:	NEWTON
EPA Region #:	7
Enforcement Action ID:	07-1996-0158
FRS ID:	110009339554

NEWTON COUNTY MINE TAILINGS (Continued) **1000139728**

Program ID:	MO-DNR 21103
Action Name:	NEWTON COUNTY, MO
Full Address:	ENTIRE TOWN OF ENTIRE TOWN OF GRANBY MO 64844
State:	Missouri
Facility Name:	NEWTON COUNTY MINE TAILINGS
Facility Address:	ENTIRE TOWN OF GRANBY, MO 64844
Enforcement Action Type:	CERCLA 106 AO For Resp Action/Imm Haz
Facility County:	NEWTON
EPA Region #:	7

Program ID:	CERCLIS MOD981507585
Facility Name:	NEWTON COUNTY MINE TAILINGS
Address:	ENTIRE TOWN OF
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported

Program ID:	FRS 110009339554
Facility Name:	NEWTON COUNTY MINE TAILINGS
Address:	ENTIRE TOWN OF
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported

Program ID:	MO-DNR 21103
Facility Name:	NEWTON COUNTY MINE TAILINGS
Address:	ENTIRE TOWN OF
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported

Program ID:	CERCLIS MOD981507585
Facility Name:	NEWTON COUNTY MINE TAILINGS
Address:	ENTIRE TOWN OF
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported

Program ID:	FRS 110009339554
Facility Name:	NEWTON COUNTY MINE TAILINGS
Address:	ENTIRE TOWN OF
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported

Program ID:	MO-DNR 21103
Facility Name:	NEWTON COUNTY MINE TAILINGS
Address:	ENTIRE TOWN OF
Tribal Indicator:	N
Fed Facility:	No

NEWTON COUNTY MINE TAILINGS (Continued) **1000139728**

NAIC Code: Not reported
SIC Code: Not reported

Program ID: CERCLIS MOD981507585
Facility Name: NEWTON COUNTY MINE TAILINGS
Address: ENTIRE TOWN OF
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Program ID: FRS 110009339554
Facility Name: NEWTON COUNTY MINE TAILINGS
Address: ENTIRE TOWN OF
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Program ID: MO-DNR 21103
Facility Name: NEWTON COUNTY MINE TAILINGS
Address: ENTIRE TOWN OF
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Program ID: CERCLIS MOD981507585
Facility Name: NEWTON COUNTY MINE TAILINGS
Address: ENTIRE TOWN OF
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Program ID: FRS 110009339554
Facility Name: NEWTON COUNTY MINE TAILINGS
Address: ENTIRE TOWN OF
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Program ID: MO-DNR 21103
Facility Name: NEWTON COUNTY MINE TAILINGS
Address: ENTIRE TOWN OF
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Program ID: CERCLIS MOD981507585
Facility Name: NEWTON COUNTY MINE TAILINGS
Address: ENTIRE TOWN OF
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported

NEWTON COUNTY MINE TAILINGS (Continued) **1000139728**

SIC Code: Not reported

Program ID: FRS 110009339554
Facility Name: NEWTON COUNTY MINE TAILINGS
Address: ENTIRE TOWN OF
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Program ID: MO-DNR 21103
Facility Name: NEWTON COUNTY MINE TAILINGS
Address: ENTIRE TOWN OF
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Program ID: CERCLIS MOD981507585
Facility Name: NEWTON COUNTY MINE TAILINGS
Address: ENTIRE TOWN OF
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Program ID: FRS 110009339554
Facility Name: NEWTON COUNTY MINE TAILINGS
Address: ENTIRE TOWN OF
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Program ID: MO-DNR 21103
Facility Name: NEWTON COUNTY MINE TAILINGS
Address: ENTIRE TOWN OF
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

PRP name: ASARCO, INC. - NY
ASARCO, INC. - NY
BLUE TEE CORPORATION
BLUE TEE CORPORATION
BLUE TEE CORPORATION
BLUE TEE CORPORATION
BLUE TEE CORPORATION
GOLDFIELD CORPORATION
NEWTON COUNTY, MISSOURI

1
< 1/8
1 ft.

EAGLEPICHER TECHNOLOGIES LITHIUM ION FACILITY
8035 E 26TH ST
JOPLIN, MO 64804

RCRA-LQG

1010322890
MOR000526046

Relative:
Higher

Actual:
1090 ft.

RCRA-LQG:

Date form received by agency:	03/29/2012
Facility name:	EAGLEPICHER TECHNOLOGIES LITHIUM ION FACILITY
Facility address:	8035 E 26TH ST JOPLIN, MO 64804
EPA ID:	MOR000526046
Mailing address:	E 26TH ST JOPLIN, MO 64804
Contact:	TIM P BENTZ
Contact address:	WEST C ST C & PORTER STREETS JOPLIN, MO 64801
Contact country:	US
Contact telephone:	(417) 623-8000
Telephone ext.:	461
Contact email:	TIM.BENTZ@EAGLEPICHER.COM
EPA Region:	07
Land type:	Private
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	EAGLEPICHER
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	02/01/2010
Owner/Op end date:	Not reported

Owner/operator name:	EAGLEPICHER CORP
Owner/operator address:	JOHN DALY RD INKSTER, MI 48141
Owner/operator country:	US
Owner/operator telephone:	(313) 278-5956
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	03/30/2007
Owner/Op end date:	Not reported

Owner/operator name:	OM GROUP
Owner/operator address:	PUBLIC SQUARE 1500 KEY

EAGLEPICHER TECHNOLOGIES LITHIUM ION FACILITY (Continued) **1010322890**

CLEVELAND, OH 44114
Owner/operator country: US
Owner/operator telephone: (800) 519-0083
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 02/01/2010
Owner/Op end date: Not reported

Owner/operator name: EAGLEPICHER CORP
Owner/operator address: JOHN DALY RD
INKSTER, MI 48141
Owner/operator country: US
Owner/operator telephone: (313) 278-5956
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 03/30/2007
Owner/Op end date: Not reported

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

Universal Waste Summary:
Waste type: Batteries
Accumulated waste on-site: Yes
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: Yes
Generated waste on-site: No

Historical Generators:
Date form received by agency: 07/13/2010
Site name: EAGLEPICHER TECHNOLOGIES LLC CROSSROADS FACILITY
Classification: Large Quantity Generator

Date form received by agency: 09/05/2008
Site name: EAGLEPICHER TECHNOLOGIES LLC
Classification: Small Quantity Generator

Date form received by agency: 03/30/2007
Site name: EAGLEPICHER TECHNOLOGIES LLC
Classification: Large Quantity Generator

EAGLEPICHER TECHNOLOGIES LITHIUM ION FACILITY (Continued) **1010322890**

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

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

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D003
Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

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

EAGLEPICHER TECHNOLOGIES LITHIUM ION FACILITY (Continued) **1010322890**

MIXTURES.

Biennial Reports:

Last Biennial Reporting Year: 2013

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 12631

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 12631

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: State Statute or Regulation
Date violation determined: 06/15/2010
Date achieved compliance: 06/15/2010
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 06/15/2010
Date achieved compliance: 07/13/2010
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported

EAGLEPICHER TECHNOLOGIES LITHIUM ION FACILITY (Continued) **1010322890**

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

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 06/15/2010
Date achieved compliance: 06/15/2010
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 06/15/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: State Statute or Regulation
Date achieved compliance: 06/15/2010
Evaluation lead agency: State

Evaluation date: 06/15/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 07/13/2010
Evaluation lead agency: State

Evaluation date: 06/15/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 06/15/2010
Evaluation lead agency: State

2
SSW
< 1/8
0.045 mi.
240 ft.

PRECISION MASTERMADE PAINTS INC **RCRA-SQG** **1007570771**
8040 E ALLIANCE PKWY **MOR000518977**
JOPLIN, MO 64804

Relative:
Higher

Actual:
1096 ft.

RCRA-SQG:
Date form received by agency: 02/05/2013
Facility name: PRECISION MASTERMADE PAINTS INC
Facility address: 8040 E ALLIANCE PKWY
JOPLIN, MO 64804-7961
EPA ID: MOR000518977
Contact: CELESTE CHALIGOJ
Contact address: 8040 E ALLIANCE PKWY
JOPLIN, MO 64804
Contact country: US
Contact telephone: (417) 659-8900
Contact email: CELESTE@PMI-INDUSTRIALCOATINGS.COM
EPA Region: 07
Land type: Private
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous

PRECISION MASTERMADE PAINTS INC (Continued) **1007570771**

waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	JERRY THEIL
Owner/operator address:	8040 E ALLIANCE PKWY JOPLIN, MO 64804
Owner/operator country:	US
Owner/operator telephone:	(417) 659-8900
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	02/05/2013
Owner/Op end date:	Not reported

Owner/operator name:	JERRY THEIL
Owner/operator address:	8040 E ALLIANCE PKWY JOPLIN, MO 64804
Owner/operator country:	US
Owner/operator telephone:	(417) 659-8900
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	02/05/2013
Owner/Op end date:	Not reported

Handler Activities Summary:

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

Historical Generators:

Date form received by agency:	09/02/2004
Site name:	PRECISION MASTER MADE PAINTS INC
Classification:	Small Quantity Generator

Hazardous Waste Summary:

Waste code:	D001
Waste name:	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE

PRECISION MASTERMADE PAINTS INC (Continued) **1007570771**

MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

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

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 04/28/2011
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/08/2008
Evaluation: COMPLIANCE ASSISTANCE VISIT
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

3
SW
< 1/8
0.059 mi.
312 ft.

CFM HOME PRODUCTS **RCRA-CESQG** **1010322654**
7980 E AMERICAN DR **MOR000519504**
JOPLIN, MO 64804

Relative:
Higher

Actual:
1092 ft.

RCRA-CESQG:
Date form received by agency: 12/09/2004
Facility name: CFM HOME PRODUCTS
Facility address: 7980 E AMERICAN DR
JOPLIN, MO 64804
EPA ID: MOR000519504
Mailing address: E AMERICAN DR
JOPLIN, MO 64804
Contact: WILLIAM MCCANN
Contact address: 7980 E AMERICAN DR
JOPLIN, MO 64804
Contact country: US
Contact telephone: (260) 356-0916
Contact email: Not reported
EPA Region: 07
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any

CFM HOME PRODUCTS (Continued) **1010322654**

land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	CFM CORP
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	12/09/2004
Owner/Op end date:	Not reported

Owner/operator name:	CFM CORP
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	12/09/2004
Owner/Op end date:	Not reported

Handler Activities Summary:

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

Hazardous Waste Summary:

Waste code:	D001
Waste name:	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

CFM HOME PRODUCTS (Continued) **1010322654**

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Violation Status: No violations found

Count: 20 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
DUENWEG	1000471355	HEART OF AMERICA ENTERPRISES	7TH ST & COUNTY RD	64801	RCRA NonGen / NLR
JASPER COUNTY	M300000525	ANCHOR STONE CO.	JASPER COUNTY QUARRY		US MINES
JASPER COUNTY	S106614831	SOUTHWEST REGIONAL SANITARY LANDFI	TWELVE MILES NE OF JOPLIN, N O		HIST LF, Financial Assurance
JOPLIN	1015734772	INTERNATIONAL PAPER CO - JOPLIN	20TH ST & RANGE LINE RD	64801	CERC-NFRAP
JOPLIN	1014757835	CROSSROADS CHEVROLET	EAST 32ND ST		FINDS
JOPLIN	S112443058	JESSE'S TRUCK STOP	HWY 43 & I-44	64801	SMARS
JOPLIN	S106872719	SITTON MOTOR LINES	4586 HIGHWAY 43 # 4586	64804	Ind. Haz Waste
JOPLIN	1003876732	GILSTRAP'S, WALT PROPERTY	RT 5	64801	CERC-NFRAP
JOPLIN	1000868590	SITTON MOTOR LINES	RT 5 BOX 702	64804	RCRA NonGen / NLR
JOPLIN	1000211362	BAKER SEPTIC TANK SVC	RTE 6	64801	RCRA NonGen / NLR
JOPLIN	1007109343	MODOT PROPERTY - FORMER STATION	HWY 86 & NN (NW CORNER OF INTE	64801	RCRA NonGen / NLR
JOPLIN	S116689971	CROSSROADS REALTY BUILDING	NE CORNER PRIGMOR AVE. AND E.	64804	NPDES
JOPLIN	1005826971	CROSSROADS CTR-BUS AND DIST	HWY FF/COUNTY ROAD 190		FINDS
JOPLIN	1012210001	CENTRAL JASPER COUNTY LEAD	HWY HH AND SPLIT RAIL DR	64801	CERCLIS
JOPLIN	1004740404	TRUCK WORLD TRUCKS BODY SHOP	4 MI S OF JOPLIN ON HWY 71	64804	RCRA NonGen / NLR, FINDS
JOPLIN	1015731373	PCS PHOSPHATE JOPLIN	301 NORTH STATE LINE AVENUE		CERCLIS, RCRA-CESQG, RADINFO, FINDS
JOPLIN	1003876357	JOPLIN SANITARY LANDFILL	STATE RD P	64801	CERC-NFRAP
JOPLIN	S114556634	ORONOGO DUENWEG MINING BELT	THROUGHOUT JASPER COUNTY	64801	SMARS
JOPLIN	1014472638	LUCKEY TRANSFER LLC	I-44 WB SHOULDER AT MM 10	64801	RCRA NonGen / NLR
REDINGS MILL	U003831903	MODOT PROPERTY - FORMER STATION	HWY 86 & NN	64801	LUST, UST

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

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

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 01/28/2014
Number of Days to Update: 78

Source: EPA
Telephone: N/A
Last EDR Contact: 07/08/2014
Next Scheduled EDR Contact: 10/20/2014
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

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

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

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

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 01/28/2014
Number of Days to Update: 78

Source: EPA
Telephone: N/A
Last EDR Contact: 07/08/2014
Next Scheduled EDR Contact: 10/20/2014
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

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

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

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

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 01/28/2014
Number of Days to Update: 78

Source: EPA
Telephone: N/A
Last EDR Contact: 07/08/2014
Next Scheduled EDR Contact: 10/20/2014
Data Release Frequency: Quarterly

Federal CERCLIS list

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

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

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 02/13/2014
Number of Days to Update: 94

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 05/29/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

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

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 07/08/2014
Date Made Active in Reports: 08/22/2014
Number of Days to Update: 45

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 07/08/2014
Next Scheduled EDR Contact: 10/20/2014
Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

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

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 02/13/2014
Number of Days to Update: 94

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 05/29/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/11/2014
Date Data Arrived at EDR: 03/13/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 27

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 07/02/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

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

Date of Government Version: 03/11/2014
Date Data Arrived at EDR: 03/13/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 913-551-7003
Last EDR Contact: 07/02/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 03/11/2014
Date Data Arrived at EDR: 03/13/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 913-551-7003
Last EDR Contact: 07/02/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 03/11/2014
Date Data Arrived at EDR: 03/13/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 913-551-7003
Last EDR Contact: 07/02/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

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

Date of Government Version: 03/11/2014
Date Data Arrived at EDR: 03/13/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 913-551-7003
Last EDR Contact: 07/02/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

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

Date of Government Version: 03/19/2014
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 07/15/2014
Number of Days to Update: 116

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 06/05/2014
Next Scheduled EDR Contact: 09/22/2014
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

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

Date of Government Version: 03/19/2014
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 07/15/2014
Number of Days to Update: 116

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 06/05/2014
Next Scheduled EDR Contact: 09/22/2014
Data Release Frequency: Varies

LUCIS: Land Use Control Information System

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

Date of Government Version: 05/28/2014
Date Data Arrived at EDR: 05/30/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 18

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 08/14/2014
Next Scheduled EDR Contact: 12/01/2014
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

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

Date of Government Version: 09/30/2013
Date Data Arrived at EDR: 10/01/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 66

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 07/03/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

HWS DETAIL: Registry Annual Report

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

Date of Government Version: 06/30/2013
Date Data Arrived at EDR: 06/17/2014
Date Made Active in Reports: 07/16/2014
Number of Days to Update: 29

Source: Department of Natural Resources
Telephone: 573-751-3176
Last EDR Contact: 06/02/2014
Next Scheduled EDR Contact: 07/02/5007
Data Release Frequency: Annually

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

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

Date of Government Version: 06/23/2014
Date Data Arrived at EDR: 06/25/2014
Date Made Active in Reports: 07/16/2014
Number of Days to Update: 21

Source: Department of Natural Resources
Telephone: 573-751-1990
Last EDR Contact: 06/16/2014
Next Scheduled EDR Contact: 09/15/2014
Data Release Frequency: Quarterly

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

SWF/LF: Solid Waste Facility List

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

Date of Government Version: 06/18/2014
Date Data Arrived at EDR: 06/20/2014
Date Made Active in Reports: 07/17/2014
Number of Days to Update: 27

Source: Department of Natural Resources
Telephone: 573-751-5401
Last EDR Contact: 08/15/2014
Next Scheduled EDR Contact: 12/01/2014
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tanks

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

Date of Government Version: 06/03/2014
Date Data Arrived at EDR: 06/17/2014
Date Made Active in Reports: 07/16/2014
Number of Days to Update: 29

Source: Department of Natural Resources
Telephone: 573-751-0135
Last EDR Contact: 06/17/2014
Next Scheduled EDR Contact: 09/29/2014
Data Release Frequency: Semi-Annually

LAST: Leaking Aboveground Storage Tanks

A listing of leaking aboveground storage tanks.

Date of Government Version: 06/03/2014
Date Data Arrived at EDR: 06/17/2014
Date Made Active in Reports: 07/16/2014
Number of Days to Update: 29

Source: Department of Natural Resources
Telephone: 573-751-6822
Last EDR Contact: 06/17/2014
Next Scheduled EDR Contact: 09/29/2014
Data Release Frequency: Quarterly

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 08/04/2014
Date Data Arrived at EDR: 08/05/2014
Date Made Active in Reports: 08/22/2014
Number of Days to Update: 17

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 03/01/2013
Date Data Arrived at EDR: 03/01/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 42

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 05/20/2014
Date Data Arrived at EDR: 06/10/2014
Date Made Active in Reports: 08/22/2014
Number of Days to Update: 73

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Quarterly

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/13/2014
Date Data Arrived at EDR: 08/15/2014
Date Made Active in Reports: 08/22/2014
Number of Days to Update: 7

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Quarterly

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

Date of Government Version: 02/01/2013
Date Data Arrived at EDR: 05/01/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 184

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 08/01/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

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

Date of Government Version: 07/30/2014
Date Data Arrived at EDR: 08/12/2014
Date Made Active in Reports: 08/22/2014
Number of Days to Update: 10

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 04/22/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Semi-Annually

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 05/14/2014
Date Data Arrived at EDR: 05/15/2014
Date Made Active in Reports: 07/15/2014
Number of Days to Update: 61

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/20/2014
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/28/2014
Date Data Arrived at EDR: 05/01/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 47

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

State and tribal registered storage tank lists

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST: Petroleum Storage Tanks

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

Date of Government Version: 06/03/2014
Date Data Arrived at EDR: 06/17/2014
Date Made Active in Reports: 07/16/2014
Number of Days to Update: 29

Source: Department of Natural Resources
Telephone: 573-751-0135
Last EDR Contact: 06/17/2014
Next Scheduled EDR Contact: 09/29/2014
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tanks

Registered Aboveground Storage Tanks.

Date of Government Version: 04/18/2014
Date Data Arrived at EDR: 04/22/2014
Date Made Active in Reports: 05/06/2014
Number of Days to Update: 14

Source: Department of Agriculture
Telephone: 573-751-7062
Last EDR Contact: 08/26/2014
Next Scheduled EDR Contact: 12/08/2014
Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land

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

Date of Government Version: 02/01/2013
Date Data Arrived at EDR: 05/01/2013
Date Made Active in Reports: 01/27/2014
Number of Days to Update: 271

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 08/01/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

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

Date of Government Version: 07/30/2014
Date Data Arrived at EDR: 08/12/2014
Date Made Active in Reports: 08/22/2014
Number of Days to Update: 10

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 04/22/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

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

Date of Government Version: 08/04/2014
Date Data Arrived at EDR: 08/05/2014
Date Made Active in Reports: 08/22/2014
Number of Days to Update: 17

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

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

Date of Government Version: 07/25/2014
Date Data Arrived at EDR: 07/28/2014
Date Made Active in Reports: 08/22/2014
Number of Days to Update: 25

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land

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

Date of Government Version: 05/28/2014
Date Data Arrived at EDR: 05/01/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 47

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

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

Date of Government Version: 08/13/2014
Date Data Arrived at EDR: 08/15/2014
Date Made Active in Reports: 08/22/2014
Number of Days to Update: 7

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

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

Date of Government Version: 08/14/2014
Date Data Arrived at EDR: 08/15/2014
Date Made Active in Reports: 08/22/2014
Number of Days to Update: 7

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

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

Date of Government Version: 05/20/2014
Date Data Arrived at EDR: 06/10/2014
Date Made Active in Reports: 08/15/2014
Number of Days to Update: 66

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Quarterly

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 07/08/2014
Next Scheduled EDR Contact: 10/27/2014
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

AUL: Sites with Controls

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

Date of Government Version: 04/04/2014
Date Data Arrived at EDR: 05/21/2014
Date Made Active in Reports: 06/09/2014
Number of Days to Update: 19

Source: Department of Natural Resources
Telephone: 573-751-3176
Last EDR Contact: 08/22/2014
Next Scheduled EDR Contact: 12/01/2014
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 05/30/2014
Date Data Arrived at EDR: 07/01/2014
Date Made Active in Reports: 08/15/2014
Number of Days to Update: 45
Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 07/01/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

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

VCP: Sites Participating in the Voluntary Cleanup Program
Sites participating in the Voluntary Cleanup Program.

Date of Government Version: 04/04/2014
Date Data Arrived at EDR: 05/21/2014
Date Made Active in Reports: 06/09/2014
Number of Days to Update: 19
Source: Department of Natural Resources
Telephone: 573-526-8913
Last EDR Contact: 08/22/2014
Next Scheduled EDR Contact: 12/01/2014
Data Release Frequency: Semi-Annually

State and tribal Brownfields sites

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

Date of Government Version: 04/04/2014
Date Data Arrived at EDR: 05/21/2014
Date Made Active in Reports: 06/09/2014
Number of Days to Update: 19
Source: Department of Natural Resources
Telephone: 573-526-8913
Last EDR Contact: 08/22/2014
Next Scheduled EDR Contact: 12/01/2014
Data Release Frequency: Semi-Annually

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 07/03/2014
Date Made Active in Reports: 07/28/2014
Number of Days to Update: 25
Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 07/03/2014
Next Scheduled EDR Contact: 10/06/2014
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137
Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/25/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: No Update Planned

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

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

SWRCY: Solid Waste Recycling Facilities
A listing of recycling center locations.

Date of Government Version: 11/05/2009
Date Data Arrived at EDR: 12/23/2009
Date Made Active in Reports: 01/21/2010
Number of Days to Update: 29
Source: Department of Natural Resources
Telephone: 573-526-3944
Last EDR Contact: 08/07/2014
Next Scheduled EDR Contact: 09/15/2014
Data Release Frequency: Varies

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

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

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52
Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 08/01/2014
Next Scheduled EDR Contact: 11/17/2014
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

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

Date of Government Version: 05/28/2014
Date Data Arrived at EDR: 06/20/2014
Date Made Active in Reports: 07/15/2014
Number of Days to Update: 25
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 06/04/2014
Next Scheduled EDR Contact: 09/15/2014
Data Release Frequency: Quarterly

DEL SHWS: Registry Sites Withdrawn or Deleted
A list of sites that were removed from the Registry or for which Registry action was suspended due to cleanup.

Date of Government Version: 06/23/2014
Date Data Arrived at EDR: 06/25/2014
Date Made Active in Reports: 07/16/2014
Number of Days to Update: 21
Source: Department of Natural Resources
Telephone: 573-522-3710
Last EDR Contact: 06/16/2014
Next Scheduled EDR Contact: 09/15/2014
Data Release Frequency: Annually

CDL: Environmental Emergency Response System
Incidents reported to the Department of Natural Resources where drug lab materials were involved.

Date of Government Version: 05/29/2014
Date Data Arrived at EDR: 06/17/2014
Date Made Active in Reports: 07/16/2014
Number of Days to Update: 29
Source: Department of Natural Resources
Telephone: 573-751-3443
Last EDR Contact: 06/17/2014
Next Scheduled EDR Contact: 09/29/2014
Data Release Frequency: Varies

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

Date of Government Version: 05/28/2014
Date Data Arrived at EDR: 06/20/2014
Date Made Active in Reports: 07/15/2014
Number of Days to Update: 25
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 06/04/2014
Next Scheduled EDR Contact: 09/15/2014
Data Release Frequency: No Update Planned

Local Land Records

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/18/2014
Date Data Arrived at EDR: 03/18/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 37
Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

Records of Emergency Release Reports

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

Date of Government Version: 03/31/2014
Date Data Arrived at EDR: 04/01/2014
Date Made Active in Reports: 07/15/2014
Number of Days to Update: 105
Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 07/01/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Annually

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

Date of Government Version: 05/29/2014
Date Data Arrived at EDR: 06/17/2014
Date Made Active in Reports: 07/16/2014
Number of Days to Update: 29

Source: Department of Natural Resources
Telephone: 573-526-3349
Last EDR Contact: 06/17/2014
Next Scheduled EDR Contact: 09/29/2014
Data Release Frequency: Semi-Annually

SPILLS 90: SPILLS90 data from FirstSearch

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

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

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

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators

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

Date of Government Version: 03/11/2014
Date Data Arrived at EDR: 03/13/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 913-551-7003
Last EDR Contact: 07/02/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

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

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

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 08/06/2014
Next Scheduled EDR Contact: 11/17/2014
Data Release Frequency: Varies

DOD: Department of Defense Sites

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

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/18/2014
Next Scheduled EDR Contact: 10/27/2014
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

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

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 02/28/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 55

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 06/04/2014
Next Scheduled EDR Contact: 09/22/2014
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CONSENT: Superfund (CERCLA) Consent Decrees

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

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 01/24/2014
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 31

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 06/30/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Varies

ROD: Records Of Decision

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

Date of Government Version: 11/25/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 74

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 06/10/2014
Next Scheduled EDR Contact: 09/22/2014
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

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

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 08/20/2014
Next Scheduled EDR Contact: 12/08/2014
Data Release Frequency: Varies

US MINES: Mines Master Index File

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

Date of Government Version: 01/30/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 07/15/2014
Number of Days to Update: 132

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 06/06/2014
Next Scheduled EDR Contact: 09/15/2014
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

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

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/31/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 44

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/30/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 64

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/25/2014
Next Scheduled EDR Contact: 10/06/2014
Data Release Frequency: Every 4 Years

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/19/2014
Next Scheduled EDR Contact: 12/08/2014
Data Release Frequency: Quarterly

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

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/19/2014
Next Scheduled EDR Contact: 12/08/2014
Data Release Frequency: Quarterly

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

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

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

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

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

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77
Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

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

Date of Government Version: 05/06/2014
Date Data Arrived at EDR: 05/16/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 10/09/2014
Next Scheduled EDR Contact: 10/27/2014
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

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

Date of Government Version: 06/01/2013
Date Data Arrived at EDR: 07/17/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 107

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/18/2014
Next Scheduled EDR Contact: 10/27/2014
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

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

Date of Government Version: 07/22/2013
Date Data Arrived at EDR: 08/02/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 91

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 06/05/2014
Next Scheduled EDR Contact: 09/22/2014
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

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

Date of Government Version: 07/07/2014
Date Data Arrived at EDR: 07/10/2014
Date Made Active in Reports: 07/28/2014
Number of Days to Update: 18

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 07/10/2014
Next Scheduled EDR Contact: 10/20/2014
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

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

Date of Government Version: 11/18/2013
Date Data Arrived at EDR: 02/27/2014
Date Made Active in Reports: 03/12/2014
Number of Days to Update: 13

Source: EPA
Telephone: (913) 551-7003
Last EDR Contact: 06/13/2014
Next Scheduled EDR Contact: 09/22/2014
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

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

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

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

RMP: Risk Management Plans

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

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 05/23/2014
Date Made Active in Reports: 07/28/2014
Number of Days to Update: 66

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

BRS: Biennial Reporting System

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

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 04/19/2013
Number of Days to Update: 52

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 05/30/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Biennially

UIC: Underground Injection Wells Database

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

Date of Government Version: 01/09/2014
Date Data Arrived at EDR: 01/10/2014
Date Made Active in Reports: 01/14/2014
Number of Days to Update: 4

Source: Department of Natural Resources
Telephone: 573-368-2183
Last EDR Contact: 08/27/2014
Next Scheduled EDR Contact: 12/08/2014
Data Release Frequency: Varies

DRYCLEANERS: Drycleaners in Missouri Listing

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

Date of Government Version: 06/16/2014
Date Data Arrived at EDR: 06/16/2014
Date Made Active in Reports: 07/16/2014
Number of Days to Update: 30

Source: Department of Natural Resources
Telephone: 573-526-8913
Last EDR Contact: 06/16/2014
Next Scheduled EDR Contact: 09/29/2014
Data Release Frequency: Varies

RRC: Certified Hazardous Waste Resource Recovery Facilities

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

Date of Government Version: 06/11/2014
Date Data Arrived at EDR: 06/20/2014
Date Made Active in Reports: 07/17/2014
Number of Days to Update: 27

Source: Department of Natural Resources
Telephone: 573-751-3176
Last EDR Contact: 06/16/2014
Next Scheduled EDR Contact: 09/29/2014
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NPDES: Permitted Facility Listing
A listing of permitted facilities from the Water Pollution Branch.

Date of Government Version: 07/07/2014
Date Data Arrived at EDR: 07/07/2014
Date Made Active in Reports: 07/21/2014
Number of Days to Update: 14

Source: Department of Natural Resources
Telephone: 573-751-7023
Last EDR Contact: 07/02/2014
Next Scheduled EDR Contact: 10/20/2014
Data Release Frequency: Varies

AIRS: Permit Facility Listing
A listing of Air Pollution Control Program permits.

Date of Government Version: 06/19/2014
Date Data Arrived at EDR: 06/20/2014
Date Made Active in Reports: 07/16/2014
Number of Days to Update: 26

Source: Department of Natural Resources
Telephone: 573-751-4817
Last EDR Contact: 06/16/2014
Next Scheduled EDR Contact: 09/29/2014
Data Release Frequency: Varies

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

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/18/2014
Next Scheduled EDR Contact: 10/27/2014
Data Release Frequency: Semi-Annually

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

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 07/25/2014
Next Scheduled EDR Contact: 11/03/2014
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites
A listing of former lead smelter site locations.

Date of Government Version: 06/04/2014
Date Data Arrived at EDR: 06/12/2014
Date Made Active in Reports: 07/28/2014
Number of Days to Update: 46

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 07/01/2014
Next Scheduled EDR Contact: 10/20/2014
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites
A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

2020 COR ACTION: 2020 Corrective Action Program List

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

Date of Government Version: 11/11/2011
Date Data Arrived at EDR: 05/18/2012
Date Made Active in Reports: 05/25/2012
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 08/15/2014
Next Scheduled EDR Contact: 11/24/2014
Data Release Frequency: Varies

SMARS: Site Management and Reporting System

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

Date of Government Version: 04/04/2014
Date Data Arrived at EDR: 05/09/2014
Date Made Active in Reports: 06/09/2014
Number of Days to Update: 31

Source: Department of Natural Resources
Telephone: 573-751-3043
Last EDR Contact: 08/05/2014
Next Scheduled EDR Contact: 11/17/2014
Data Release Frequency: Varies

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 04/15/2013
Date Data Arrived at EDR: 07/03/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 72

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 07/01/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Quarterly

FEDLAND: Federal and Indian Lands

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

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/18/2014
Next Scheduled EDR Contact: 10/27/2014
Data Release Frequency: N/A

MINES: Industrial Mineral Mines Database

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

Date of Government Version: 10/24/2008
Date Data Arrived at EDR: 12/17/2012
Date Made Active in Reports: 12/21/2012
Number of Days to Update: 4

Source: Department of Natural Resources
Telephone: 573-751-4041
Last EDR Contact: 07/25/2014
Next Scheduled EDR Contact: 11/03/2014
Data Release Frequency: Varies

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

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

Date of Government Version: 10/23/2013
Date Data Arrived at EDR: 11/06/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 30

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/25/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 10/23/2013
Date Data Arrived at EDR: 11/06/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 30

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/25/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Annually

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

Date of Government Version: 06/19/2014
Date Data Arrived at EDR: 06/20/2014
Date Made Active in Reports: 07/28/2014
Number of Days to Update: 38

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 08/14/2014
Next Scheduled EDR Contact: 12/01/2014
Data Release Frequency: Quarterly

Financial Assurance 2: Financial Assurance Information Listing
Financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay

Date of Government Version: 06/10/2014
Date Data Arrived at EDR: 06/12/2014
Date Made Active in Reports: 07/14/2014
Number of Days to Update: 32

Source: Department of Natural Resources
Telephone: 573-751-5401
Last EDR Contact: 06/12/2014
Next Scheduled EDR Contact: 09/22/2014
Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Sites
A listing of power plants with coal ash ponds.

Date of Government Version: 07/08/2014
Date Data Arrived at EDR: 07/10/2014
Date Made Active in Reports: 08/05/2014
Number of Days to Update: 26

Source: Department of Natural Resources
Telephone: 573-526-1825
Last EDR Contact: 07/02/2014
Next Scheduled EDR Contact: 10/20/2014
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 03/14/2014
Date Data Arrived at EDR: 06/11/2014
Date Made Active in Reports: 07/28/2014
Number of Days to Update: 47

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 06/11/2014
Next Scheduled EDR Contact: 09/22/2014
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 08/01/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 07/18/2014
Next Scheduled EDR Contact: 10/27/2014
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information.

Date of Government Version: 06/09/2014
Date Data Arrived at EDR: 06/13/2014
Date Made Active in Reports: 07/14/2014
Number of Days to Update: 31
Source: Department of Natural Resources
Telephone: 573-751-3553
Last EDR Contact: 06/09/2014
Next Scheduled EDR Contact: 09/22/2014
Data Release Frequency: Varies

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

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88
Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 08/15/2014
Next Scheduled EDR Contact: 11/24/2014
Data Release Frequency: Quarterly

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

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

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

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

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

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners

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

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

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

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

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/03/2014
Number of Days to Update: 186

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

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

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/03/2014
Number of Days to Update: 186

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

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

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/15/2014
Number of Days to Update: 198

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

OTHER DATABASE(S)

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

CT MANIFEST: Hazardous Waste Manifest Data

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

Date of Government Version: 07/30/2013
Date Data Arrived at EDR: 08/19/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/19/2014
Next Scheduled EDR Contact: 12/01/2014
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

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

Date of Government Version: 05/01/2014
Date Data Arrived at EDR: 05/07/2014
Date Made Active in Reports: 06/10/2014
Number of Days to Update: 34

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 08/07/2014
Next Scheduled EDR Contact: 11/17/2014
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 07/21/2014
Date Made Active in Reports: 08/25/2014
Number of Days to Update: 35

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/18/2014
Next Scheduled EDR Contact: 11/03/2014
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 07/15/2014
Date Made Active in Reports: 08/13/2014
Number of Days to Update: 29

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/26/2014
Next Scheduled EDR Contact: 12/08/2014
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 06/20/2014
Date Made Active in Reports: 08/07/2014
Number of Days to Update: 48

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/16/2014
Next Scheduled EDR Contact: 09/29/2014
Data Release Frequency: Annually

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

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: Licensed Child Care Facilities
Source: Department of Health & Senior Services
Telephone: 573-751-2450

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

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

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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