



13202 West 98th Street Lenexa, Kansas 66215

**PHASE I ENVIRONMENTAL  
SITE ASSESSMENT**

**Joplin Union Depot  
207 North Main Street  
Joplin, Missouri**

**BE&K/Terranext Project No. 17102191**

**Prepared For:**

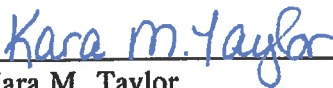
**Missouri Department of Natural Resources  
Historic Preservation Program  
PO Box 176  
Jefferson City, Missouri 65102-0176**

**April 25, 2001**

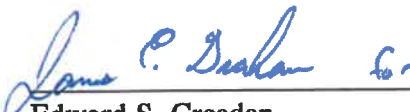
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207 North Main Street  
Joplin, Missouri**

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## EXECUTIVE SUMMARY

BE&K/Terranext was retained by the Missouri Department of Natural Resources - Historic Preservation Program to perform a Phase I Environmental Site Assessment (ESA) of the Joplin Union Depot located at 207 North Main Street in Joplin, Missouri. The Phase I ESA was performed in general conformance with ASTM Practice E 1527-00.

The Phase I ESA has revealed several areas of recognized potential environmental concerns in connection with the subject property. Environmental concerns at the subject property include suspect asbestos-containing materials (ACM) and lead-based paint (LBP).

- BE&K/Terranext visually identified suspect LBP in the former depot building located on the subject property. Suspect LBP includes painted walls and ceilings. All suspect LBP was assessed to be in poor condition at the time of the site inspection.
- BE&K/Terranext visually observed suspect ACM in the former depot building located on the subject property. The suspect ACM includes the plaster veneer that covers interior walls. The suspect ACM was assessed to be in fair condition at the time of the site inspection.
- According to the EDR report, one LUST site (Fastrip #21) was identified within one-quarter mile north of the site that, because of the condition or use, has the potential to adversely impact the environmental condition of the subject property. The LUST facility is to the north and at a lower elevation than the subject property, thereby minimizing the potential for the LUST facility to adversely affect the subject property.

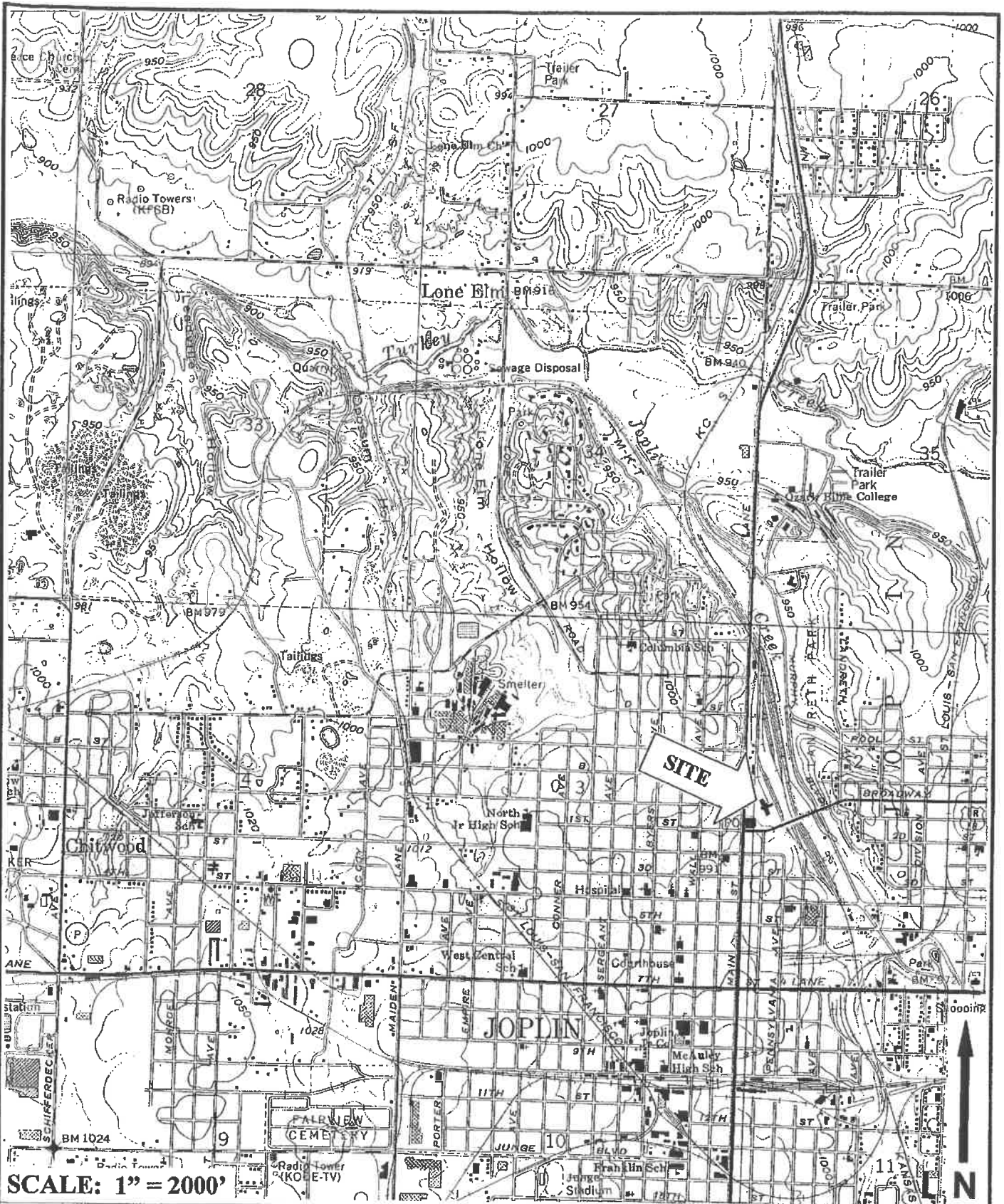
## 1.0 INTRODUCTION

The Missouri Department of Natural Resources - Historic Preservation Program (MDNR-HPP) retained BE&K/Terranext to perform a Phase I Environmental Site Assessment (ESA) of the Joplin Union Depot located at 207 North Main Street in Joplin, Missouri (Figure 1 - Site Location Map). The purpose of this Phase I ESA is to make appropriate inquiry into the environmental condition of the subject property and evaluate potential environmental issues at the subject property.

### 1.1 Scope of Work

BE&K/Terranext performed the Phase I ESA of the subject property in general accordance with the American Society for Testing and Materials (ASTM) *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*, ASTM Designation E1527-00 (ASTM Practice E 1527 or the ASTM Practice). BE&K/Terranext performed the following tasks for this Phase I ESA project:

- A review of information provided by the client, owner, or tenant of the subject property concerning previous environmental assessment reports, known environmental conditions, and environmental liens associated with the subject property.
- A site inspection consisting of a visual survey of the subject property and adjoining properties, as accessible, for indications of potential environmental liabilities such as areas of chemical storage/handling, surface staining, suspected disposal areas, aboveground and underground storage tanks (ASTs and USTs), sumps and pits, and electrical equipment that may contain polychlorinated biphenyls (PCBs). Site photographs were taken to document the present condition of the subject property and surrounding properties and are presented in Appendix A.
- An investigation of historical activities at the site, including interviews with individuals, as readily available, who are knowledgeable of previous site uses.
- A visual survey and document review to identify suspect asbestos-containing material (ACM) and lead-based paint (LBP) that were readily accessible during the site inspection.



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FIGURE 1  
 SITE LOCATION MAP  
 PHASE I ENVIRONMENTAL SITE ASSESSMENT  
 JOPLIN UNION DEPOT  
 207 NORTH MAIN STREET  
 JOPLIN, MISSOURI

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- A review of standard historical sources, as readily available, provided by a commercial service in order to develop a history of the previous uses or occupancies of the subject property and adjoining areas.
- A review of a database search report provided by a commercial service summarizing records published by federal, state, and local governmental agencies to determine the presence of adverse environmental conditions indicated on the subject property or surrounding properties.
- A review of additional state and local records and information concerning the subject property and surrounding properties provided by health departments, fire departments, electrical utility companies, and other readily available sources.
- Preparation of this report, which incorporates information and observations gathered while performing the tasks referenced above and draws conclusions from that information.

### 1.2 Deviations From the ASTM Standard

Additions to, or deletions or deviations from, the ASTM Practice exercised during the performance of this Phase I ESA, if any, are disclosed in the section of this Phase I ESA report where the deletion, addition, or deviation occurs.

### 1.3 BE&K/Terranext Employee Credentials

Mr. Edward S. Creaden, BE&K/Terranext Manager, Midwest Operations, conducted the Phase I ESA field investigation and historical research. Mr. Creaden has more than 11 years experience in the environmental consulting industry. He has performed greater than 100 Phase I ESAs involving agricultural, commercial, industrial, residential and sites under development throughout the midwest.

Mrs. Kara M. Taylor, BE&K/Terranext Geologist, reviewed the findings of the Phase I ESA field investigation and historical research, and prepared the Phase I ESA report. Mrs. Taylor has more than four years experience in the environmental consulting industry. She has performed numerous environmental assessments, including Phase I ESAs and NEPA investigations, involving agricultural tracts, commercial and residential properties, and sites under development throughout Missouri and Kansas. In addition, Mrs. Taylor has completed



the AHERA Inspector Training Course and the AHERA Inspector Refresher Training in accordance with USEPA 40 CFR 61 and 763 and OSHA 29 CFR 1910.1101 and 1910.134, and is certified under the State of Missouri for Asbestos Related Occupations. Mrs. Taylor has also completed the EPA Model Lead Inspector Initial Course in accordance with USEPA 40 CFR 745 and OSHA 29 CFR 1926.62 and 1910.1025, and is licensed under the State of Missouri for Lead Occupations.

## 2.0 LIMITATIONS

This report is prepared for the exclusive use of the MDNR-HPP, and/or their assignees to aid in the environmental assessment of the Joplin Union Depot located at 207 North Main Street in Joplin, Missouri. In preparing this report, BE&K/Terranext made appropriate inquiry into the environmental condition of the subject property in a manner consistent with good commercial or customary practices as exercised by members of the environmental assessment profession. This includes, but is not limited to, physically inspecting the subject property, investigating the present and previous uses of the property, acquiring reasonably ascertainable information from public sources, evaluating findings, and preparing this environmental assessment report. All statements of environmental condition regarding the subject property represent the professional opinions of the BE&K/Terranext personnel involved with the project and should not be considered a legal interpretation of existing environmental regulations.

This environmental assessment is strictly limited to identifying potential environmental liabilities associated with the subject property and does not extend to evaluating the structural condition of any structures on the property of concern. Not identifying environmental liabilities associated with the subject property should not be interpreted as a guarantee that such liabilities do not exist. It is a statement indicating that the probability of environmental liabilities should be minimal due to the factors investigated and evaluated.

Results of this environmental assessment are based upon owner/occupant information collected by BE&K/Terranext personnel during the site inspection, information from interviews with knowledgeable persons regarding the property history, and information provided by commercial services and contacted regulatory and governmental agencies. The information is believed to be from reliable sources, but no responsibility is assumed for its accuracy since BE&K/Terranext was not retained to verify publicly available information. BE&K/Terranext assumes no responsibility or liability for errors in the public data utilized, statements from sources outside of BE&K/Terranext, or developments resulting from situations outside the scope of this project.

This environmental assessment may be used by MDNR-HPP and/or their assignees in the possible future preparation of an "innocent landowner" or "third party" statutory defense from liability for site cleanup in the event of preexisting contamination at the subject property. This environmental assessment is prepared to be responsive to the requirements of the Comprehensive Environmental Response, Compensation, and Liability Act and the Superfund Amendments and Reauthorization Act. No warranties, expressed or implied, are made except as stated within the body of this environmental assessment report and in accordance with the scope of work presented therein.

### 3.0 PHYSICAL SETTING

The subject property is known as the former Joplin Union Depot, located at 207 North Main Street in Joplin, Missouri. The subject property is located within the city limits of Joplin, Missouri and consists of approximately 3.58 acres of land developed with one primary building (former depot). The former depot is surrounded by a chain-link fence. An asphalt driveway and parking lot is located adjacent to the north end of the building. A small shed (approximately 50 square feet in size) and a radio tower are located adjacent to the northeast corner of the former depot building, and are enclosed within a chain-linked fence. The southern portion of the property is undeveloped and wooded adjacent to the building, and is generally clear of vegetation along the former railroad tracks extending south of the building. The remaining portions of the property are generally covered by grass and weeds. Figure 2, Site Plan, depicts the major features of the site and surrounding area.

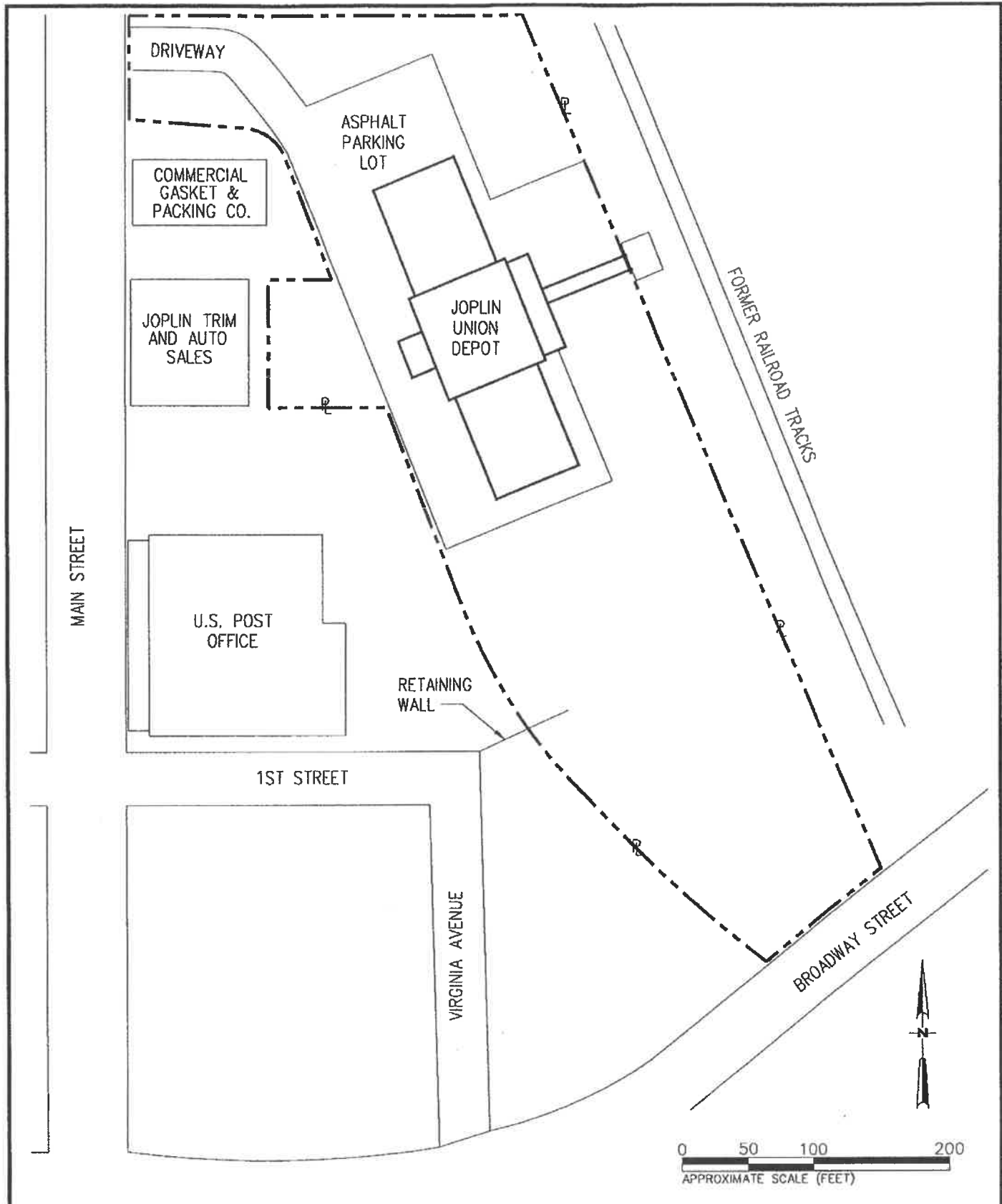
#### 3.1 Topography

Review of the U.S. Geological Survey (USGS) Joplin West, Missouri Quadrangle and visual observations reveal that local topography in the region of the subject property consists of gently rolling hills, with flat terrain in the immediate vicinity of the subject property. The subject property gently slopes to the north and northeast, toward Joplin Creek. According to the topographic map, the subject property lies approximately 950 feet above mean sea level (MSL) and is located within the West 1/2 of Section 2, Township 27 North, and Range 33 West. Refer to Figure 1 for the topographic map of the subject property and surrounding area.

#### 3.2 Hydrology

The subject property is not located in a designated wetlands area or flood zone according to the environmental records search performed by Environmental Data Resources, Inc., Southport Connecticut (EDR), and the topographic map. Based upon visual observations, storm water runoff generally flows away from the subject property to the north and northeast;

however, the basement of the facility is flooded due to rain and storm water entering the building via broken windows.



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FIGURE 2  
 SITE PLAN  
 PHASE 1 ENVIRONMENTAL SITE ASSESSMENT  
 JOPLIN UNION DEPOT  
 207 NORTH MAIN STREET  
 JOPLIN, MISSOURI

### 3.3 Geology

Soil survey books are not in print for Jasper County, Missouri. According to the EDR report, the soils in the vicinity of the site consist of Clarksville cherty-silt loam. The Clarksville series consists of deep, moderate to well-drained soils with high hydraulic conductivity and low water capacity. Based upon information presented in the 1979 Geologic Map of Missouri and *The Stratigraphic Succession in Missouri, Missouri Department of Natural Resources, Revised 1995*, the soils in the vicinity of the subject property are underlain by the Warsaw, Salem, and St. Louis Limestone Formations of the Mississippian System, which are medium- to coarsely-crystalline limestone formations.

### 3.4 Hydrogeology

The general surface topographic gradient in the vicinity of the subject property is to the north and northeast. Accordingly, the surface topographic gradient is the expected (i.e., theoretical) direction of localized, shallow ground water flow. However, surface topography is not always the best indicator of shallow ground water flow direction. The actual shallow ground water flow direction may vary due to subsurface geologic and hydrogeologic factors, such as the numerous karst systems that are present throughout Missouri.

The closest federally-registered water well is located within one-half mile northwest of the subject property. The EDR report identifies one other federally-registered water well within one mile east of the subject property. The closest public water supply well is located within one mile south of the subject property. This public water supply well serves the Four Seasons Sports Complex. Violations (regular monitoring for various contaminants) have been reported at this water supply system according to the EDR report.

### 3.5 Surrounding Area Land Use

The subject property is located within a residential and commercial area of Joplin, Missouri, consisting of private residences, gas stations, and various commercial properties and light industrial. The following properties are immediately adjacent to the site:

- North: railroad tracks, a vacant building, and vacant property.
- South: undeveloped property with an electrical substation to the south of the Broadway Bridge. A United States Post Office facility and parking lot are located adjacent to the southwest portion of the subject property.
- East: active railroad tracks and vacant property.
- West: An automobile body shop (*Joplin Trim and Auto Sales*), a gasket manufacturing company (*Commercial Gasket and Packing Company*), and Main Street. Main Street is a major commercial corridor for Joplin. A former automobile sales lot is located across Main Street, to the west of the drive entrance to the depot.



#### 4.0 EXISTING SITE CONDITIONS

BE&K/Terranext employee, Mr. Ed Creaden, conducted the site inspection at the subject property on April 13, 2001. The site inspection was conducted on foot and included a visual survey of the subject property for indications of past or present activities of environmental concern. All functional areas of the former depot building and outside areas of the property were visually inspected. Due to the presence of approximately 2 feet of standing water in the basement of the depot, a limited inspection of the basement was made from the base of the stairway. Not all areas of the basement were visible from this vantage point.

##### 4.1 Current Property Occupants and Operations

The property is currently vacant, owned by the State of Missouri, and is on the National Register of Historic Places.

##### 4.2 Property Description

The site is located within the northern portion of Joplin, Missouri in the West 1/2 of Section 2, Township 27 North, and Range 33 West in Jasper County, Missouri, and consists of approximately 3.58 acres. The site is located northeast of the intersection of Main Street and Broadway Street. One primary building (former depot) occupies the site, along with an asphalt driveway and parking area. A small shed associated with a radio tower is also located on the site, and is enclosed within a chain-linked fence. This shed was not accessible for inspection.

###### 4.2.1 Property Grounds

The property is accessed from Main Street, via an asphalt driveway that leads to an asphalt parking lot surrounding the north and west ends of the former depot building. An asphalt driveway and parking lot is located adjacent to the north end of the building. The southern portion of the property is undeveloped and wooded adjacent to the south end of the building, and is generally clear of vegetation along the former railroad tracks extending south of the

building. The remaining portions of the property are generally covered by grass and weeds. BE&K/Terranext did not observe significant motor oil stains in the parking lot.

BE&K/Terranext did not identify any foul or unusual odors, pits, wells, or surface impoundments, at the subject property. BE&K/Terranext did not identify any dumping or disposal activities at the subject property. A densely-vegetated pile of soil (approximately 100 square feet in area and 6 feet high) is located north of the building. The source of the soil mound was not evident; however, no indications of buried materials within the mound were observed.

#### 4.2.2 Property Buildings

The former depot building present on the subject property is vacant. The walls, ceiling, and floor of the building consist primarily of reinforced concrete. Some interior walls appear to consist of brick covered with plaster, and ceramic tile along the lower three feet of the walls. In addition, wood ceiling materials are still present on the ceiling in the east/central room of the building (apparent former ticket office).

The small shed associated with the radio tower located on the site was not accessible for inspection. The building and radio tower are enclosed within a chain-linked fence.

#### 4.3 Electrical Equipment Evaluation

Electrical light fixtures were not operational in the building at the time of the site inspection. Approximately five pole-mounted transformers were observed on the subject property during the site inspection. BE&K/Terranext did not observe any spills, leaks, or stains associated with the transformers, nor were any tags, signs, or stickers identified indicating whether the transformers contain PCB-based dielectric fluid. Transformers manufactured prior to 1980 are assumed to be PCB-containing unless marked as not containing PCB dielectric fluid or until tested otherwise.

If the PCB concentration of electrical equipment is not known, either by analytical testing or certification by the equipment manufacturer, U.S. Environmental Protection Agency (EPA) regulations require that the equipment be classified as "PCB contaminated" (i.e., 50 to 499 parts per million PCBs). In the event the equipment fails spontaneously or is taken out of service by the owner of the equipment, the legal and financial responsibility for the disposition of the dielectric fluid and equipment lies with the equipment owner. If the property owner and/or a third party causes the equipment to fail, the equipment owner must contain and clean up any spilled dielectric fluids, dispose of the material properly and replace the equipment. However, the financial and legal responsibility for the disposition of the equipment, its contents, and any spill cleanup materials lies with the property owner and/or third party.

#### 4.4 Paints and Solvents

Storage of paints and solvents were not observed on the property during the site inspection.

#### 4.5 Chemical and Hazardous Waste Management

No indications of hazardous waste storage, generation, or disposal on the property were observed by BE&K/Terranext during the site inspection, as the facility has not been occupied or used for over 30 years.

#### 4.6 Non-hazardous Waste Management

BE&K/Terranext did not identify domestic solid wastes (e.g., paper products, plastic, and other non-hazardous municipal waste) or domestic waste containers at the subject property.

#### 4.7 Underground Storage Tanks

BE&K/Terranext did not identify any USTs on the property during the site inspection.

#### 4.8 Aboveground Storage Tanks

BE&K/Terranext did not identify any ASTs on the property during the site inspection.

## 5.0 HISTORICAL USE INFORMATION

BE&K/Terranext reviewed aerial photographs of the subject property obtained from the Joplin Planning and Community Development Department in Joplin, Missouri. Additionally, BE&K/Terranext conducted a historical property use search of the subject property. The search included a search for street directories published by various companies and Sanborn Fire Insurance Maps. The information obtained is summarized in the following subsections of this report.

### 5.1 Historical Property Ownership

Information about historical property ownership was obtained from the Joplin Public Library. Newspaper articles indicated the subject property was first used for passenger rail services on June 30, 1911 and the last train left the station on November 3, 1969. The station was most utilized during World War I and throughout the 1920's when it served as the terminal for the Kansas City Southern Railroad, the Missouri, Kansas, and Texas Railroad, the Santa Fe Railroad, and the Northern Arkansas Railroad. The subject property was placed on the National Register of Historic Places in 1973.

### 5.2 Historical and Aerial Photograph Interpretation

Three historical photographs (1968, 1986, and 1999) of the subject property were readily accessible to BE&K/Terranext. Aerial photographs were reviewed at the Joplin Planning and Community Development Department. The site is located within the northern portion of Joplin, Missouri in the West 1/2 of Section 2, Township 27 North, and Range 33 West in Jasper County, Missouri.

#### 1968 Aerial Photograph (Scale: Unknown)

The 1968 photograph shows the facility in operation, with a train stopped at the depot. Private residences and commercial businesses are present in the immediate vicinity of the site; however, most of the property to the east and northeast is undeveloped.

**1986 Aerial Photograph - (Scale: 1" = 200')**

The 1986 photograph shows the facility after operations ceased. More private residences are present to the northeast of the subject property and more commercial properties are located along Main Street than were observed in the 1968 photograph.

**1999 Aerial Photograph - (Scale: 1" = 200')**

The 1999 photograph shows the facility and surrounding properties similar to those in the 1986 photograph.

**5.3 Sanborn Fire Insurance Maps**

No Fire Insurance Map Abstracts were identified for the subject property.

**5.4 Historical City Directories**

The Joplin public library does not contain historical city directory information.

**5.5 Interviews With Persons Knowledgeable About Site History**

BE&K/Terranext conducted interviews with Mr. Mark Miles of the MDNR-HPP, Mr. John Gillighan and Mr. Richard Largent of the Joplin Planning and Community Development Department, and Chief Bob Morris of the Joplin Fire Department.

Mr. Miles, Mr. Gillighan, Mr. Largent, and Chief Morris all indicated that they were unaware of environmental incidents or issues related to the site. Mr. Miles stated that the site was placed on the National Register of Historic Places. Mr. Gillighan and Mr. Largent stated that the site is currently zoned "Industrial" and that two small renovation permits were issued for the site in the 1960's. Chief Morris stated that he has worked for the Fire Department for over 20 years and is unaware of any environmental or hazardous materials incidents occurring at or near the site. He stated that the Fire Department has occasionally been called to the site to respond to small 'keep warm' fires started in the building by transients.

## 6.0 RECORDS REVIEW

The purpose of an environmental records review is to evaluate the potential for documented environmental conditions within the radius of study to have adverse environmental impacts upon the subject property. This is accomplished by reviewing various studies, databases, and records available through local, state, and federal agencies to identify documented conditions of environmental concern within the applicable radius of study recommended in the ASTM Practice. BE&K/Terranext retained EDR to conduct the environmental records search. The results of the search are provided in the EDR report included as Appendix B - Environmental Database Report. The EDR report includes the names of the database searched, the radius of study of each database, the database release date, and the sites identified within the database that meet the search parameters.

The EDR report may list sites as "unmappable" because of incomplete information within the searched database. Sites are primarily unmappable because of incomplete addresses for the identified sites. According to the search parameters used (e.g., ZIP code, county name, city name), these sites could be anywhere within the administrative/civil boundary that the search parameters encompass and may be beyond the radius of study.

BE&K/Terranext evaluated the mappable and unmappable information provided within the EDR report, reviewed the USGS topographic map of the surrounding area, and contacted the local fire department/emergency response authority. A summary and discussion of the environmental records report and supplemental work are provided below.

### 6.1 CERCLIS and NPL Site Review

The Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), or "Superfund" legislation, was designed to finance and provide enforcement authority for the cleanup of pre-existing contamination that could substantially impact human health and/or the environment. The Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) is the database of sites identified under CERCLA.

CERCLIS contains data on potentially hazardous waste sites that have been reported to the EPA by states, municipalities, private companies, and private persons, pursuant to Section 103 of CERCLA. CERCLIS contains sites that are either proposed to be or are on the National Priorities List (NPL) and sites that are in the screening and assessment phase for possible inclusion on the NPL. The NPL, a subset of CERCLIS, identifies over 1,200 sites for priority cleanup under the Superfund Program. The EPA administers both the CERCLIS database and the NPL database. The EDR report did not indicate any NPL sites within a 1.125 mile radius of the site; however, two CERCLIS sites were identified within a 1 mile radius of the subject property.

#### CERC-NFRAP (No Further Remedial Action Planned)

- Joplin FMGP; 2<sup>nd</sup> Street & Kentucky Avenue (< 1/4 mile SE of site)  
Preliminary Assessment completed in 1993.
- Eagle-Pitcher Industries; C Street & Porter Street (< 1 mile W of site)  
Preliminary Assessment completed in 1988.

#### 6.2 RCRIS and TSD Facilities Review

The Resource Conservation and Recovery Act (RCRA) is designed to control hazardous waste by imposing management requirements at active facilities that generate or transport hazardous wastes and upon treatment, storage, and disposal (TSD) facilities. The Resource Conservation and Recovery Information System (RCRIS) is a database that identifies facilities in terms of the quantity of hazardous waste generated per month and as sites which are TSD facilities. The listing also contains information regarding enforcement actions that may have been taken at the listed facilities. The EDR report identified six small-quantity or large-quantity generator facilities within a 1 mile radius of the subject property. The EDR report also identified one RCRA TSD facility within a 1 mile radius of the subject property.

#### RCRIS-SOG

- Sugar Creek Designs, Inc.; 202 Joplin Street (< 1/4 mile SSW of site)  
Several violations exist for this site with no date of compliance listed.

- Joplin Printing Company; 202 West 2<sup>nd</sup> Street (< 1/4 mile SSW of site)  
No violations found.
- Joplin Globe Publishing Company; 117 East 4<sup>th</sup> Street (< 1/2 mile S of site)  
No violations found.
- Tamko Roofing Products, Inc.; 220 West 4<sup>th</sup> Street (< 1/2 mile SSW of site)  
No violations found.

#### RCRIS-LOG

- City of Joplin; 303 East 3<sup>rd</sup> Street (< 1/4 mile SSE of site)  
No violations found.
- Eagle-Pitcher Industries; C Street & Porter Street (< 1 mile W of site)  
Several violations exist, most of which, have been addressed.

#### RCRIS-TSD

- Eagle-Pitcher Industries; C Street & Porter Street (< 1 mile W of site)  
Several violations exist, most of which, have been addressed.

### 6.3 Emergency Response Notification System Reports

In an effort to centralize information from reporting requirements in CERCLA, SARA Title III, the Clean Water Act, and other regulations, the EPA developed the Emergency Response Notification System (ERNS) for reporting spills or releases of hazardous substances in amounts equal to or greater than the reportable quantity established for that substance under CERCLA. The EDR report indicated that the site was not an ERNS facility.

### 6.4 Underground Storage Tank Database Review

In 1984, the Hazardous and Solid Waste Amendments (HSWA) to RCRA required the EPA to develop a regulatory system for USTs because of the potential environmental impact USTs can have on subsurface soil and ground water. The system adopted by the EPA established standards for new tanks and upgrading existing tanks, operation and maintenance requirements for tanks in use, and tank registration requirements. To be granted authority to administer the UST program by the EPA, each state was to either adopt the EPA regulations or develop more



stringent regulations. The EDR report uses a database provided by the MDNR and identified six UST facilities within a 0.50 mile radius of the site.

### USTs

- John & Daves; 101 Virginia (< 1/8 mile SE of site)  
3 USTs - all removed
- Jefferson-Greyhound Bus Terminal; 219 W. 2<sup>nd</sup> Street (< 1/4 mile SSW of site)  
1 UST - removed
- Fastrip #21; 403 North Main (< 1/4 mile N of site)  
8 USTs - 4 removed, **4 active**
- Municipal Building; 303 East 3<sup>rd</sup> Street (< 1/4 mile SSE of site)  
1 UST - removed
- Hertz Rent-A-Car; 401 Virginia Avenue (< 1/2 mile S of site)  
2 USTs - both permanently closed in place
- Buy-N-Fly, Inc.; 419 West 4<sup>th</sup> Street (< 1/2 mile SW of site)  
4 USTs - 2 removed, **2 active**

### 6.5 Leaking Underground Storage Tank Review

Leaking Underground Storage Tank (LUST) records, maintained by MDNR, contain an inventory of reported LUST incidents. The EDR report identified three LUST facilities within a 0.50 mile radius of the site.

### LUSTs

- Jefferson-Greyhound Bus Terminal; 219 W. 2<sup>nd</sup> Street (< 1/4 mile SSW of site)  
1 LUST - inactive, spill cleanup completed in 1992; R003103
- Fastrip #21; 403 North Main (< 1/4 mile N of site)  
1 LUST - active, start of spill cleanup not reported; R006388
- Howard's E-Z Stop; 640 Joplin Street (< 1/2 mile S of site)  
1 LUST - inactive, spill cleanup completed in 1997; R003883

## 6.6 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 are identified along with sites where cleanup will be paid for by potentially responsible parties. The MDNR maintains the state hazardous waste site database for the State of Missouri. The EDR report did not identify any sites on the state hazardous waste sites database within a 1.125 mile radius of the subject property.

## 6.7 Solid Waste Landfills

Solid waste landfills (SWLFs) are a source of environmental concern for two reasons: the potential for leachate generated within a landfill to impact soils and ground water, and potential methane gas generation and subsequent migration to surrounding properties. Information regarding historical and operational landfills was compiled from local, county, and state databases. The records review did not identify any SWLFs within a 1.125 mile radius of the subject property.

## 6.8 Local Fire Department

Chief Morris stated that he has worked for the Fire Department for over 20 years and is unaware of any environmental or hazardous materials incidents occurring at or near the site. He stated that the Fire Department has occasionally been called to the site to respond to small 'keep warm' fires started in the building by transients.

## 7.0 ADDITIONAL ISSUES

The following items are not required by the scope of ASTM E 1527-00. BE&K/Terranext included this information as additional field investigation services or as information readily available to BE&K/Terranext through completion of the records review. These non-scope considerations are not intended to be all-inclusive.

### 7.1 Suspect Asbestos-Containing Materials

BE&K/Terranext conducted a visual inspection at the subject property for the presence of suspect asbestos-containing materials (ACM). The inspection was a preliminary asbestos survey of potential and confirmed ACM and is interpreted to be a preliminary comprehensive asbestos assessment. BE&K/Terranext does not warrant that all materials in the buildings that may contain asbestos have been identified. The limited survey was not intended, and should not be used, to ensure compliance with applicable regulations governing the demolition or renovation of any part of the building. Suspect ACM identified at the site includes the plaster veneer that covers interior concrete and brick walls of the former depot, which was observed to be non-friable and in fair condition.

### 7.2 Suspect Lead-Based Paint

BE&K/Terranext identified suspect lead-based paint (LBP) on the majority of the interior surfaces of the former depot building. At the time of the site inspection, the paint appeared to be in poor condition. All paint in the former depot building is considered suspect LBP until tested or encapsulated.

### 7.3 Radon

Radon is a colorless, odorless, radioactive gas released from the natural decay of uranium that is found in nearly all soils. According to information received in the EDR report, the area in the vicinity of the subject property has an average reading of 1.120 picocuries per liter (pCi/l) in the 1<sup>st</sup> floor living area and 3.150 pCi/l in the basement. Based on the subsurface geologic

formations and stratigraphy underlying the subject property, it is unlikely that radon levels greater than 4.0 pCi/l will accumulate at the subject property. However, radon gas measurements can vary significantly within a short distance depending upon subsurface geologic conditions. The EPA recommends abatement of radon gas at levels above 4.0 pCi/l. Radon gas levels at the subject property have not been measured as part of this Phase I ESA project.

## 8.0 FINDINGS AND CONCLUSIONS

BE&K/Terranext was retained by the Missouri Department of Natural Resources - Historic Preservation Program to perform a Phase I Environmental Site Assessment (ESA) of the Joplin Union Depot located at 207 North Main Street in Joplin, Missouri. The Phase I ESA was performed in general conformance with ASTM Practice E 1527-00.

In the professional opinion of BE&K/Terranext, all appropriate inquiry has been made into the previous ownership and uses of the property consistent with good commercial or customary practice in an effort to minimize liability. No evidence or indication of recognized environmental conditions has been revealed at the subject property with the exception of the following items:

- BE&K/Terranext visually identified suspect LBP in the building located on the subject property. Suspect LBP includes painted walls and ceilings. All suspect LBP was assessed to be in poor condition at the time of the site inspection.
- BE&K/Terranext visually observed suspect ACM in the building located on the subject property. The suspect ACM includes the plaster veneer that covers interior walls. The suspect ACM was assessed to be in fair condition at the time of the site inspection.
- According to the EDR report, one LUST site (Fastrip #21) was identified within one-quarter mile north of the site that, because of the condition or use, has the potential to adversely impact the environmental condition of the subject property. The LUST facility is to the north and at a lower elevation than the subject property, thereby minimizing the potential for the LUST facility to adversely affect the subject property.

## 9.0 RECOMMENDATIONS

Based on the findings and conclusions of this Phase I ESA report, BE&K/Terranext recommends the following further action at the subject property to address potential environmental issues:

- Prior to major renovation of the building, BE&K/Terranext recommends sampling each type of suspect LBP and suspect ACM to verify the composition of these materials. Major renovation activities that would result in the mass removal of LBP and/or ACM are likely to require special handling and disposal methods. Any transformers present on-site that do not have a blue "NON-PCB" sticker attached to it should also be tested by the local electric utility for PCB dielectric fluid content and labeled.
- The EDR report does not indicate the status of cleanup activities at the LUST facility located within one-quarter mile of the subject property (Fastrip #21). It is not possible to determine the potential environmental impact to the site that may be attributable to the LUST facility without conducting a subsurface soil and/or ground water investigation. However, based upon the distance of the LUST facility relative to the subject property and the general topography of the area, the likelihood of adverse environmental impact to the subject property from the LUST facility appears minimal, and completion of a subsurface investigation is not currently warranted. BE&K/Terranext recommends periodically inquiring into the status of the LUST facility and any documented environmental impact to the site and/or surrounding area. This can be done by contacting the Missouri Department of Natural Resources at (573) 751-6822.

APPENDIX A  
PHOTOGRAPHIC LOG

**Project No.:** 17102191  
**Project:** Joplin Union Depot  
**Photograph No.:** 1  
**Photographer:** ESC  
**Date:** 04/13/01  
**Direction:** Southeast  
**Description:** View of subject property from northwest corner of drive entrance.



**Project No.:** 17102191  
**Project:** Joplin Union Depot  
**Photograph No.:** 2  
**Photographer:** ESC  
**Date:** 04/13/01  
**Direction:** South  
**Description:** View of west elevation from northwest corner.





**Project No.:** 17102191  
**Project:** Joplin Union Depot  
**Photograph No.:** 3  
**Photographer:** ESC  
**Date:** 04/13/01  
**Direction:** East  
**Description:** View of west elevation from west/central property boundary.



**Project No.:** 17102191  
**Project:** Joplin Union Depot  
**Photograph No.:** 4  
**Photographer:** ESC  
**Date:** 04/13/01  
**Direction:** Southeast  
**Description:** View of south elevation.



**Project No.:** 17102191  
**Project:** Joplin Union Depot  
**Photograph No.:** 5  
**Photographer:** ESC  
**Date:** 04/13/01  
**Direction:** Southwest  
**Description:** East end of structure, as viewed from neighboring property adjacent to east/central portion of subject property.



**Project No.:** 17102191  
**Project:** Joplin Union Depot  
**Photograph No.:** 6  
**Photographer:** ESC  
**Date:** 04/13/01  
**Direction:** Northwest  
**Description:** View of east elevation.



**Project No.:** 17102191  
**Project:** Joplin Union Depot  
**Photograph No.:** 7  
**Photographer:** ESC  
**Date:** 04/13/01  
**Direction:** West  
**Description:** View of south elevation.



**Project No.:** 17102191  
**Project:** Joplin Union Depot  
**Photograph No.:** 8  
**Photographer:** ESC  
**Date:** 04/13/01  
**Direction:** South  
**Description:** View to south along east property boundary. Property terminates at bridge, visible in background.



**Project No.:** 17102191  
**Project:** Joplin Union Depot  
**Photograph No.:** 9  
**Photographer:** ESC  
**Date:** 04/13/01  
**Direction:**  
**Description:** Interior of depot. Note peeling green and yellow paint on walls and ceiling.



**Project No.:** 17102191  
**Project:** Joplin Union Depot  
**Photograph No.:** 10  
**Photographer:** ESC  
**Date:** 04/13/01  
**Direction:**  
**Description:** Interior of central portion of depot, as viewed from second floor.



**Project No.:** 17102191  
**Project:** Joplin Union Depot  
**Photograph No.:** 11  
**Photographer:** ESC  
**Date:** 04/13/01  
**Direction:**  
**Description:** Close-up view of peeling, suspect lead-based paint on interior of depot structure.



**Project No.:** 17102191  
**Project:** Joplin Union Depot  
**Photograph No.:** 12  
**Photographer:** ESC  
**Date:** 04/13/01  
**Direction:**  
**Description:** Close-up view of interior finishing materials.



**Project No.:** 17102191  
**Project:** Joplin Union Depot  
**Photograph No.:** 13  
**Photographer:** ESC  
**Date:** 04/13/01  
**Direction:**  
**Description:** Roofing material (typical). Standing water visible in back portion of photo.



**Project No.:** 17102191  
**Project:** Joplin Union Depot  
**Photograph No.:** 14  
**Photographer:** ESC  
**Date:** 04/13/01  
**Direction:**  
**Description:** Remnants of plumbing and heating system in basement.



**Project No.:** 17102191  
**Project:** Joplin Union Depot  
**Photograph No.:** 15  
**Photographer:** ESC  
**Date:** 04/13/01  
**Direction:** East  
**Description:** View of south property boundary between subject property and undeveloped adjacent property. Note yellow standpipe in background, designating underground gas transmission line.



**Project No.:** 17102191  
**Project:** Joplin Union Depot  
**Photograph No.:** 16  
**Photographer:** ESC  
**Date:** 04/13/01  
**Direction:** Southwest  
**Description:** Mounded area located on northeast portion of subject property. Depot visible in background.



**Project No.:** 17102191  
**Project:** Joplin Union Depot  
**Photograph No.:** 17  
**Photographer:** ESC  
**Date:** 04/13/01  
**Direction:** West  
**Description:** North property boundary, as viewed from northeast corner of subject property.



**Project No.:** 17102191  
**Project:** Joplin Union Depot  
**Photograph No.:** 18  
**Photographer:** ESC  
**Date:** 04/13/01  
**Direction:** North  
**Description:** View to north along Main Street from Main Street entrance to subject property.





**Project No.:** 17102191  
**Project:** Joplin Union Depot  
**Photograph No.:** 19  
**Photographer:** ESC  
**Date:** 04/13/01  
**Direction:** South  
**Description:** View to south along Main Street from Main Street entrance to subject property.



**Project No.:** 17102191  
**Project:** Joplin Union Depot  
**Photograph No.:** 20  
**Photographer:** ESC  
**Date:** 04/13/01  
**Direction:** East/Southeast  
**Description:** View of vacant building located adjacent to north end of subject property.



**Project No.:** 17102191  
**Project:** Joplin Union Depot  
**Photograph No.:** 21  
**Photographer:** ESC  
**Date:** 04/13/01  
**Direction:** East  
**Description:** View to east from northeast portion of subject property.



**Project No.:** 17102191  
**Project:** Joplin Union Depot  
**Photograph No.:** 22  
**Photographer:** ESC  
**Date:** 04/13/01  
**Direction:** West  
**Description:** View of 'Commercial Gasket and Packing Company' facility, located adjacent to subject property on the west.



**Project No.:** 17102191  
**Project:** Joplin Union Depot  
**Photograph No.:** 23  
**Photographer:** ESC  
**Date:** 04/13/01  
**Direction:** East  
**Description:** View of auto body shop/sales business located adjacent to subject property on the west. Depot visible in background.



**Project No.:** 17102191  
**Project:** Joplin Union Depot  
**Photograph No.:** 24  
**Photographer:** ESC  
**Date:** 04/13/01  
**Direction:** Southwest  
**Description:** View of USPS building and parking lot from west/central portion of the site.



**Project No.:** 17102191  
**Project:** Joplin Union Depot  
**Photograph No.:** 25  
**Photographer:** ESC  
**Date:** 04/13/01  
**Direction:** Northwest  
**Description:** View of former automobile sales lot across Main Street from drive entrance to subject property.



**Project No.:** 17102191  
**Project:** Joplin Union Depot  
**Photograph No.:** 26  
**Photographer:** ESC  
**Date:** 04/13/01  
**Direction:** Northeast  
**Description:** View of AST, and 55-gallon barrels and storage cars adjacent to northeast end of subject property.



APPENDIX B  
ENVIRONMENTAL DATABASE REPORT



## The EDR Radius Map with GeoCheck®

**Joplin Union Depot  
207 North Main Street  
Joplin, MO 64801**

**Inquiry Number: 617850.1s**

**April 10, 2001**

## *The Source* For Environmental Risk Management Data

3530 Post Road  
Southport, Connecticut 06490

### **Nationwide Customer Service**

Telephone: 1-800-352-0050  
Fax: 1-800-231-6802  
Internet: [www.edrnet.com](http://www.edrnet.com)

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

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## EXECUTIVE SUMMARY

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

### TARGET PROPERTY INFORMATION

#### ADDRESS

207 NORTH MAIN STREET  
JOPLIN, MO 64801

#### COORDINATES

Latitude (North): 37.091700 - 37° 5' 30.1"  
Longitude (West): 94.513100 - 94° 30' 47.2"  
Universal Transverse Mercator: Zone 15  
UTM X (Meters): 365524.6  
UTM Y (Meters): 4105912.8

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property: 2437094-A5 JOPLIN WEST, MO KS  
Source: USGS 7.5 min quad index

### TARGET PROPERTY SEARCH RESULTS

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

### DATABASES WITH NO MAPPED SITES

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

### FEDERAL ASTM STANDARD

NPL..... National Priority List  
Proposed NPL..... Proposed National Priority List Sites  
CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System  
RCRIS-TSD..... Resource Conservation and Recovery Information System  
ERNS..... Emergency Response Notification System

### STATE ASTM STANDARD

SHWS..... Registry of Confirmed Abandoned or Uncontrolled Hazardous Waste Disposal Sites  
SWF/LF..... Solid Waste Facility List

### FEDERAL ASTM SUPPLEMENTAL

CONSENT..... Superfund (CERCLA) Consent Decrees  
ROD..... Records Of Decision  
Dellisted NPL..... National Priority List Deletions



## EXECUTIVE SUMMARY

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

### STATE OR LOCAL ASTM SUPPLEMENTAL

<b>AST</b> .....	Aboveground Petroleum Storage Tanks
<b>MO RRC</b> .....	Certified Hazardous Waste Resource Recovery Facilities

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Elevations have been determined from the USGS 1 degree Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. EDR's definition of a site with an elevation equal to the target property includes a tolerance of +/- 10 feet. 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 (by more than 10 feet). Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

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

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

### FEDERAL ASTM STANDARD

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

A review of the CERC-NFRAP list, as provided by EDR, and dated 12/28/2000 has revealed that there is 1 CERC-NFRAP site within approximately 0.375 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
JOPLIN FMGP - 2ND & KENTUCKY A	2ND ST / KENTUCKY AVE	1/8 - 1/4 SE	6	9

## EXECUTIVE SUMMARY

**CORRACTS:** CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 04/20/2000 has revealed that there is 1 CORRACTS site within approximately 1.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>EAGLE-PICHER INDUSTRIES</b>	<b>W C ST / PORTER ST</b>	<b>1/2 - 1 W</b>	<b>14</b>	<b>13</b>

**RCRIS:** The Resource Conservation and Recovery Act database includes selected information on sites that generate, store, treat, or dispose of hazardous waste as defined by the Act. The source of this database is the U.S. EPA.

A review of the RCRIS-LQG list, as provided by EDR, and dated 06/21/2000 has revealed that there is 1 RCRIS-LQG site within approximately 0.375 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>JOPLIN, CITY OF</b>	<b>303 E 3RD</b>	<b>1/8 - 1/4 SSE</b>	<b>B8</b>	<b>10</b>

**RCRIS:** The Resource Conservation and Recovery Act database includes selected information on sites that generate, store, treat, or dispose of hazardous waste as defined by the Act. The source of this database is the U.S. EPA.

A review of the RCRIS-SQG list, as provided by EDR, and dated 06/21/2000 has revealed that there are 4 RCRIS-SQG sites within approximately 0.375 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>SUGAR CREEK DESIGNS INC</b>	<b>202 JOPLIN ST</b>	<b>1/8 - 1/4 SSW</b>	<b>A4</b>	<b>8</b>
<b>JOPLIN PRINTING CO</b>	<b>220 W SECOND</b>	<b>1/8 - 1/4 SSW</b>	<b>A5</b>	<b>9</b>
<b>JOPLIN GLOBE PUBLISHING CO</b>	<b>117 E 4TH ST</b>	<b>1/4 - 1/2 S</b>	<b>C9</b>	<b>10</b>
<b>TAMKO ROOFING PRODUCTS INC</b>	<b>220 W 4TH ST</b>	<b>1/4 - 1/2 SSW</b>	<b>11</b>	<b>11</b>

### STATE ASTM STANDARD

**LUST:** Leaking Underground Storage Tanks.

A review of the LUST list, as provided by EDR, and dated 11/22/2000 has revealed that there are 3 LUST sites within approximately 0.625 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>JEFFERSON-GREYHOUND BUS TERMIN</b>	<b>219 W SECOND ST</b>	<b>1/8 - 1/4 SSW</b>	<b>A2</b>	<b>5</b>
<b>HOWARDS E-Z STOP (FORMER)</b>	<b>640 JOPLIN ST</b>	<b>1/4 - 1/2 S</b>	<b>13</b>	<b>13</b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>FASTRIP #21</b>	<b>403 N MAIN</b>	<b>1/8 - 1/4 N</b>	<b>3</b>	<b>6</b>

## EXECUTIVE SUMMARY

### UST: Underground Storage Tank Information.

A review of the UST list, as provided by EDR, and dated 12/20/2000 has revealed that there are 6 UST sites within approximately 0.375 miles of the target property.

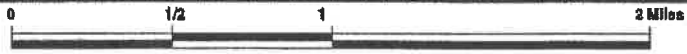
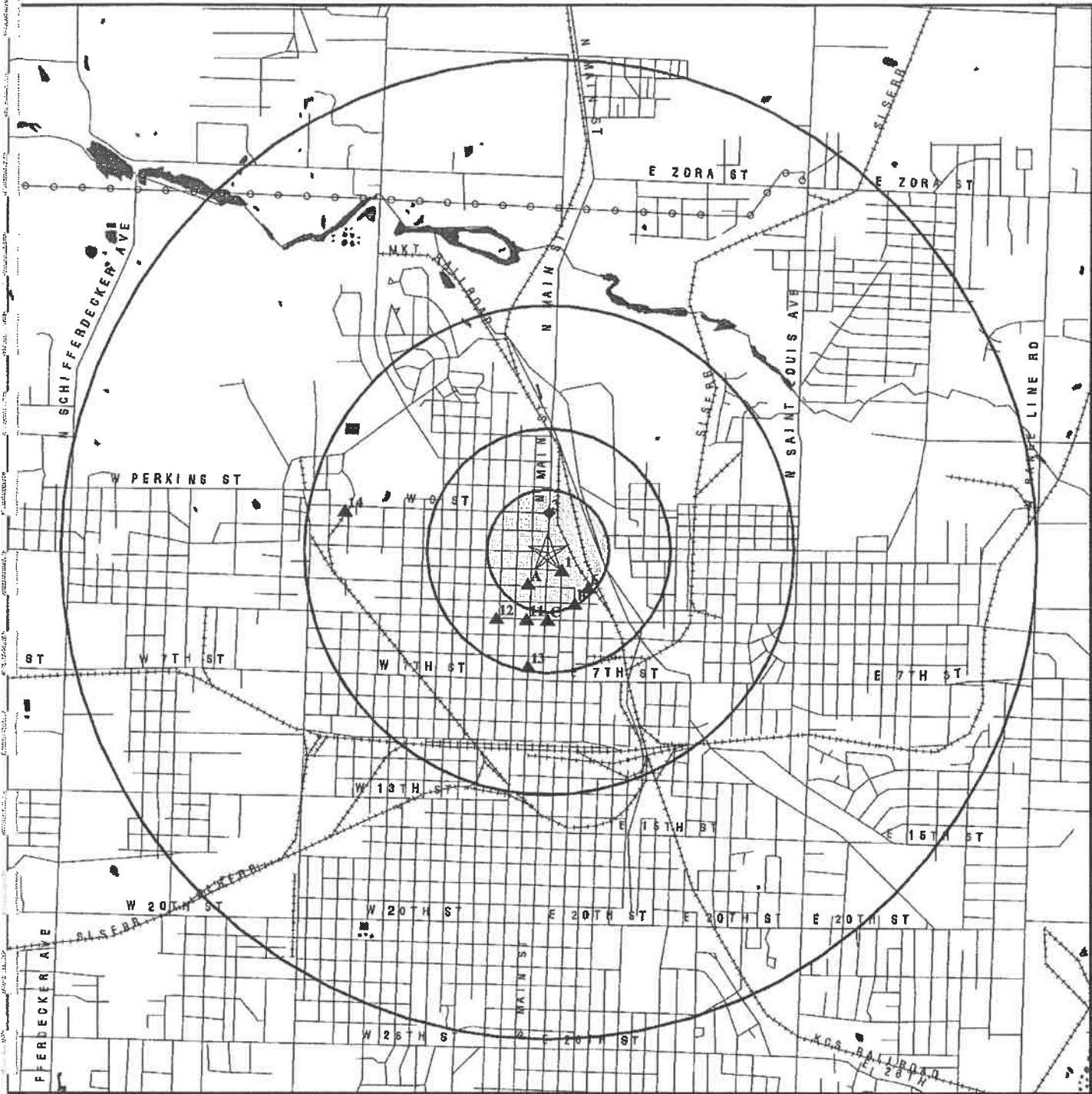
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
JOHN & DAVES	101 VIRGINIA	0 - 1/8 SE	1	5
<b>JEFFERSON-GREYHOUND BUS TERMIN</b>	<b>219 W SECOND ST</b>	<b>1/8 - 1/4 SSW</b>	<b>A2</b>	<b>5</b>
MUNICIPAL BLDG	303 E 3RD ST	1/8 - 1/4 SSE	B7	10
HERTZ RENT A CAR	401 VIRGINIA AVE	1/4 - 1/2 S	C10	11
BUY-N-FLY INC	419 W 4TH ST @ BYERS	1/4 - 1/2 SW	12	12
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>FASTRIP #21</b>	<b>403 N MAIN</b>	<b>1/8 - 1/4 N</b>	<b>3</b>	<b>6</b>

## EXECUTIVE SUMMARY

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

<u>Site Name</u>	<u>Database(s)</u>
JOPLIN SCHOOL DISTRICT R-8	FINDS, FTTS
INTERNATIONAL PAPER CO - JOPLIN	SHWS
JOPLIN OIL PONDS	SHWS
GILSTRAP'S, WALT PROPERTY	CERC-NFRAP
JOPLIN SANITARY LANDFILL	CERC-NFRAP
THE PHOTO PLACE INC	UST, LUST
SOUTHWEST DIESEL INC	UST, LUST
FLYING J TRAVEL PLAZA	UST
DUNCAN'S COUNTRY STORE	UST
LOVE'S COUNTRY STORE #282	UST
FISCA OIL CO INC #124	UST
AMERICAN FREIGHTWAYS INC	UST
JOPLIN PETRO	UST
NICKERSON FARMS OF JOPLIN	UST
M-23 JOPLIN	UST
BAKER SEPTIC TANK SVC	RCRIS-SQG, FINDS
TRI STATE MOTOR TRANSIT CO	PADS, RCRIS-SQG, FINDS
R&R TRUCKING INC	RCRIS-SQG, FINDS
SOUTHEAST MANUFACTURING CO INC	RCRIS-SQG, FINDS
FROM JOPLIN, MO TO TULSA, OK; LEAK DISCOVERED AT TULSA	ERNS
ICI EXPLOSIVES JOPLIN MO	ERNS
JOPLIN AMBULANCE CO.	ERNS
JOPLIN HIGH SCHOOL	ERNS
JOPLIN STONE COMPANY	FINDS
JOPLIN OIL PONDS	FINDS
JOPLIN CEMENT COMPANY	FINDS
ICI EXPLOSIVES USA INC. - JOPLIN SITE	TSCA

# OVERVIEW MAP - 617850.1s - BE&K Terranext



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

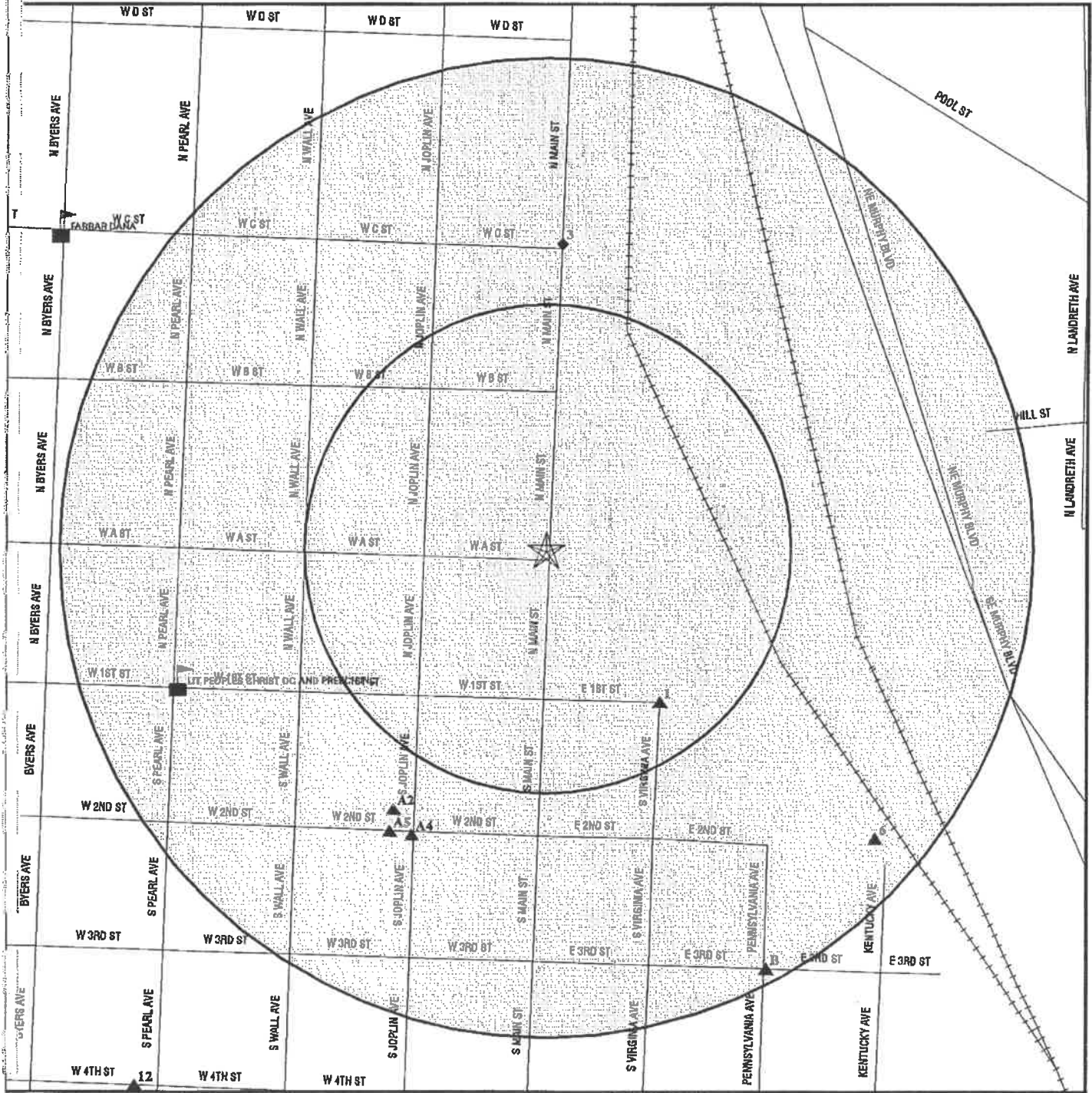
- ⚡ Power transmission lines
- ⚡ Oil & Gas pipelines
- Wetlands



**TARGET PROPERTY:** Joplin Union Depot  
**ADDRESS:** 207 North Main Street  
**CITY/STATE/ZIP:** Joplin MO 64801  
**LAT/LONG:** 37.0917 / 94.5131

**CUSTOMER:** BE&K Terranext  
**CONTACT:** Kara M. Taylor  
**INQUIRY #:** 617850.1s  
**DATE:** April 10, 2001 6:04 pm

# DETAIL MAP - 617850.1s - BE&K Terranext



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

- ⚡ Power transmission lines
- ⚡ Oil & Gas pipelines



<b>TARGET PROPERTY:</b>	Joplin Union Depot	<b>CUSTOMER:</b>	BE&K Terranext
<b>ADDRESS:</b>	207 North Main Street	<b>CONTACT:</b>	Kara M. Taylor
<b>CITY/STATE/ZIP:</b>	Joplin MO 64801	<b>INQUIRY #:</b>	617850.1s
<b>LAT/LONG:</b>	37.0917 / 94.5131	<b>DATE:</b>	April 10, 2001 6:04 pm

## MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b><u>FEDERAL ASTM STANDARD</u></b>								
NPL		1.125	0	0	0	0	0	0
Proposed NPL		1.125	0	0	0	0	0	0
CERCLIS		0.625	0	0	0	0	NR	0
CERC-NFRAP		0.375	0	1	0	NR	NR	1
CORRACTS		1.125	0	0	0	1	0	1
RCRIS-TSD		0.625	0	0	0	0	NR	0
RCRIS Lg. Quan. Gen.		0.375	0	1	0	NR	NR	1
RCRIS Sm. Quan. Gen.		0.375	0	2	2	NR	NR	4
ERNS	TP		NR	NR	NR	NR	NR	0
<b><u>STATE ASTM STANDARD</u></b>								
State Haz. Waste		1.125	0	0	0	0	0	0
State Landfill		0.625	0	0	0	0	NR	0
LUST		0.625	0	2	1	0	NR	3
UST		0.375	1	3	2	NR	NR	6
<b><u>FEDERAL ASTM SUPPLEMENTAL</u></b>								
CONSENT		1.125	0	0	0	0	0	0
ROD		1.125	0	0	0	0	0	0
Delisted NPL		1.125	0	0	0	0	0	0
FINDS	TP		NR	NR	NR	NR	NR	0
HMIRS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
MINES		0.375	0	0	0	NR	NR	0
NPL Liens	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
<b><u>STATE OR LOCAL ASTM SUPPLEMENTAL</u></b>								
AST		TP	NR	NR	NR	NR	NR	0
MO RRC		TP	NR	NR	NR	NR	NR	0

### **EDR PROPRIETARY DATABASES**

AQUIFLOW - see EDR Physical Setting Source Addendum

TP = Target Property

NR = Not Requested at this Search Distance

\* Sites may be listed in more than one database

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

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

**1 SE < 1/8 516 Higher**      **JOHN & DAVES**      **UST**      **U001159635**  
**101 VIRGINIA**      **N/A**  
**JOPLIN, MO 64801**

**UST:**

Facility ID: ST0010731  
 Owner: DAVID WRIGHT  
 101 VIRGINIA  
 JOPLIN, MO 64801

Tank ID: 1  
 Tank Type: Below Ground  
 Capacity: 6000  
 Total Tanks: 3  
 Number UST's: 3  
 Lust ID: R099999

Owner ID: OW05238  
 Tank Status: Removed  
 Substance: Gasoline, including blends  
 Active Tanks: 0  
 Number AST's: 0  
 Meet 98: False

Facility ID: ST0010731  
 Owner: DAVID WRIGHT  
 101 VIRGINIA  
 JOPLIN, MO 64801

Tank ID: 2  
 Tank Type: Below Ground  
 Capacity: 5000  
 Total Tanks: 3  
 Number UST's: 3  
 Lust ID: R099999

Owner ID: OW05238  
 Tank Status: Removed  
 Substance: Gasoline, including blends  
 Active Tanks: 0  
 Number AST's: 0  
 Meet 98: False

Facility ID: ST0010731  
 Owner: DAVID WRIGHT  
 101 VIRGINIA  
 JOPLIN, MO 64801

Tank ID: 3  
 Tank Type: Below Ground  
 Capacity: 4000  
 Total Tanks: 3  
 Number UST's: 3  
 Lust ID: R099999

Owner ID: OW05238  
 Tank Status: Removed  
 Substance: Gasoline, including blends  
 Active Tanks: 0  
 Number AST's: 0  
 Meet 98: False

**A2 SSW 1/8-1/4 816 Higher**      **JEFFERSON-GREYHOUND BUS TERMINAL**      **UST**      **U001159602**  
**219 W SECOND ST**      **LUST**      **N/A**  
**JOPLIN, MO 64801**  
**Site 1 of 3 in cluster A**

**LUST:**

Facility ID: ST0011198  
 Owner ID: OW04184  
 Release Date: 02/27/92  
 Tank Type: UNDERGROUND STORAGE TANK  
 Site Type: Not reported  
 Remediation Techniques: Excavation  
 Media: Not reported  
 Emergency Reponse Date: / /  
 Emergency Cleanup Start: / /  
 Spill Cleanup Start: 02/27/92

Lust ID: R003103  
 Region: SW - Southwest Regional Office  
 Active: FALSE



Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

MAP FINDINGS

Database(s)      EDR ID Number  
 EPA ID Number

**JEFFERSON-GREYHOUND BUS TERMINAL (Continued)**

**U001159602**

Spill Cleanup Finish: 04/30/92  
 Date Added: 06/30/1995

**UST:**

Facility ID: ST0011198  
 Owner: GALE WEBB  
 RT 9 BOX 1175  
 JOPLIN, MO 64804

Tank ID:	1	Owner ID:	OW04184
Tank Type:	Below Ground	Tank Status:	Removed
Capacity:	10000	Substance:	Diesel
Total Tanks:	1	Active Tanks:	0
Number UST's:	1	Number AST's:	0
Lust ID:	R003103	Meet 98	False

**3**  
**North**  
**1/8-1/4**  
**823**  
**Lower**

**FASTRIP #21**  
**403 N MAIN**  
**JOPLIN, MO 64801**

**UST U000750308**  
**LUST N/A**

**LUST:**

Facility ID:	ST0001384	Lust ID:	R006388
Owner ID:	OW03402	Region:	SW - Southwest Regional Office
Release Date:	02/09/99	Active:	TRUE
Tank Type:	Not reported		
Site Type:	Not reported		
Remediation Techniques:	Not reported		
Media:	Not reported		
Emergency Response Date:	//		
Emergency Cleanup Start:	//		
Spill Cleanup Start:	//		
Spill Cleanup Finish:	//		
Date Added:	04/30/1999		

**UST:**

Facility ID: ST0001384  
 Owner: DAKOTA LEASING  
 PO BOX 538  
 CARTHAGE, MO 64836

Tank ID:	1	Owner ID:	OW03402
Tank Type:	Below Ground	Tank Status:	Removed
Capacity:	8000	Substance:	Gasoline, including blends
Total Tanks:	8	Active Tanks:	4
Number UST's:	8	Number AST's:	0
Lust ID:	R006388	Meet 98	False

Facility ID: ST0001384  
 Owner: DAKOTA LEASING  
 PO BOX 538  
 CARTHAGE, MO 64836

Tank ID:	2	Owner ID:	OW03402
Tank Type:	Below Ground	Tank Status:	Removed
Capacity:	8000	Substance:	Gasoline, including blends
Total Tanks:	8	Active Tanks:	4
Number UST's:	8	Number AST's:	0
Lust ID:	R006388	Meet 98	False

Facility ID: ST0001384

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

MAP FINDINGS

Database(s)  
 EDR ID Number  
 EPA ID Number

FASTRIP #21 (Continued)

U000750308

Owner: DAKOTA LEASING  
 PO BOX 538  
 CARTHAGE, MO 64836

Tank ID: 3  
 Tank Type: Below Ground  
 Capacity: 8500  
 Total Tanks: 8  
 Number UST's: 8  
 Lust ID: R006388

Owner ID: OW03402  
 Tank Status: Removed  
 Substance: Gasoline, including blends  
 Active Tanks: 4  
 Number AST's: 0  
 Meet 98: False

Facility ID: ST0001384  
 Owner: DAKOTA LEASING  
 PO BOX 538  
 CARTHAGE, MO 64836

Tank ID: 4  
 Tank Type: Below Ground  
 Capacity: 9000  
 Total Tanks: 8  
 Number UST's: 8  
 Lust ID: R006388

Owner ID: OW03402  
 Tank Status: Removed  
 Substance: Diesel  
 Active Tanks: 4  
 Number AST's: 0  
 Meet 98: False

Facility ID: ST0001384  
 Owner: DAKOTA LEASING  
 PO BOX 538  
 CARTHAGE, MO 64836

Tank ID: 5  
 Tank Type: Below Ground  
 Capacity: 8000  
 Total Tanks: 8  
 Number UST's: 8  
 Lust ID: R006388

Owner ID: OW03402  
 Tank Status: Currently in use  
 Substance: Diesel  
 Active Tanks: 4  
 Number AST's: 0  
 Meet 98: True

Facility ID: ST0001384  
 Owner: DAKOTA LEASING  
 PO BOX 538  
 CARTHAGE, MO 64836

Tank ID: 6  
 Tank Type: Below Ground  
 Capacity: 8000  
 Total Tanks: 8  
 Number UST's: 8  
 Lust ID: R006388

Owner ID: OW03402  
 Tank Status: Currently in use  
 Substance: Gasoline, including blends  
 Active Tanks: 4  
 Number AST's: 0  
 Meet 98: True

Facility ID: ST0001384  
 Owner: DAKOTA LEASING  
 PO BOX 538  
 CARTHAGE, MO 64836

Tank ID: 7  
 Tank Type: Below Ground  
 Capacity: 8000  
 Total Tanks: 8  
 Number UST's: 8  
 Lust ID: R006388

Owner ID: OW03402  
 Tank Status: Currently in use  
 Substance: Gasoline, including blends  
 Active Tanks: 4  
 Number AST's: 0  
 Meet 98: True

Facility ID: ST0001384  
 Owner: DAKOTA LEASING  
 PO BOX 538

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**FASTRIP #21 (Continued)**

U000750308

CARTHAGE, MO 64836		Owner ID:	OW03402
Tank ID:	8	Tank Status:	Currently in use
Tank Type:	Below Ground	Substance:	Gasoline, including blends
Capacity:	8000	Active Tanks:	4
Total Tanks:	8	Number AST's:	0
Number UST's:	8	Meet 98	True
Lust ID:	R006388		

**A4**  
**SSW**  
**1/8-1/4**  
**854**  
**Higher**

**SUGAR CREEK DESIGNS INC**  
**202 JOPLIN ST**  
**JOPLIN, MO 64801**  
**Site 2 of 3 in cluster A**

**RCRIS-SQG** 1000154177  
**FINDS** MOD055276232

**RCRIS:**

Owner: DENNIS ERWIN  
 Contact: DENNIS ERWIN  
 (417) 781-9696  
 Record Date: 03/13/1990  
 Classification: Small Quantity Generator  
 Used Oil Recyc: No  
 Violation Status: Violations exist

Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	10/31/1996
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	Not reported
Actual Date Achieved Compliance:	Not reported

Enforcement Action:	Written Informal
Enforcement Action Date:	10/31/1996
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported

Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	10/31/1996
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	Not reported
Actual Date Achieved Compliance:	Not reported

Enforcement Action:	Written Informal
Enforcement Action Date:	10/31/1996
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported

Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	10/31/1996
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	Not reported
Actual Date Achieved Compliance:	Not reported

Enforcement Action:	Written Informal
Enforcement Action Date:	10/31/1996
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported

Regulation Violated: Not reported

**MAP FINDINGS**

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

**SUGAR CREEK DESIGNS INC (Continued)**

Database(s) **EDR ID Number**  
**EPA ID Number**

**1000154177**

Area of Violation: Generator-All Requirements  
 Date Violation Determined: 10/31/1996  
 Priority of Violation: Low  
 Schedule Date to Achieve Compliance: Not reported  
 Actual Date Achieved Compliance: Not reported  
 Enforcement Action: Written Informal  
 Enforcement Action Date: 10/31/1996  
 Proposed Monetary Penalty: Not reported  
 Final Monetary Penalty: Not reported

There are 4 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Compliance Evaluation Inspection (CEI)	Generator-All Requirements	
	Generator-All Requirements	
	Generator-All Requirements	
	Generator-All Requirements	

**A5**  
**SSW**  
**1/8-1/4**  
**873**  
**Higher**

**JOPLIN PRINTING CO**  
**220 W SECOND**  
**JOPLIN, MO 64801**  
**Site 3 of 3 in cluster A**

**RCRIS-SQG** **1000830487**  
**FINDS** **MOD985817543**

**RCRIS:**  
 Owner: NA  
 Contact: Not reported  
 Record Date: 09/18/1992  
 Classification: Conditionally Exempt Small Quantity Generator  
 Used Oil Recyc: No  
 Violation Status: No violations found

**FINDS:**  
 Other Pertinent Environmental Activity Identified at Site:  
 National Compliance Database (NCDB)

**6**  
**SE**  
**1/8-1/4**  
**1187**  
**Higher**

**JOPLIN FMGP - 2ND & KENTUCKY AVE**  
**2ND ST / KENTUCKY AVE**  
**JOPLIN, MO 64802**

**CERC-NFRAP** **1000482756**  
**MOD985796689**

**CERCLIS-NFRAP Classification Data:**  
 Site Incident Category: Not reported  
 Ownership Status: Private  
 Site Description: FORMER MANUFACTURED GAS PLANT (FMGP). POTENTIAL ON-SITE DISPOSAL OF WASTE OIL/TAR (PAH'S) AND CYANIDE COMPOUNDS.  
 FORMER MANUFACTURED GAS PLANT (FMGP). POTENTIAL ON-SITE DISPOSAL OF WASTE OIL/TAR (PAH'S) AND CYANIDE COMPOUNDS.  
 Federal Facility: Not a Federal Facility  
 NPL Status: Not on the NPL

**CERCLIS-NFRAP Assessment History:**  
 Assessment: DISCOVERY Completed: 19910422  
 Assessment: PRELIMINARY ASSESSMENT Completed: 19930420

**CERCLIS-NFRAP Alias Name(s):**  
 JOPLIN GAS & COKE

**MAP FINDINGS**

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**B7**  
**SSE**  
 1/8-1/4  
 1281  
 Higher

**MUNICIPAL BLDG**  
**303 E 3RD ST**  
**JOPLIN, MO 64801**

Site 1 of 2 in cluster B

**UST**    **U000282392**  
           **N/A**

**UST:**

Facility ID:	ST0001834	Owner ID:	OW01601
Owner:	CITY OF JOPLIN	Tank Status:	Removed
	303 E 3RD STREET	Substance:	Diesel
	JOPLIN, MO 64801	Active Tanks:	0
Tank ID:	1	Number AST's:	0
Tank Type:	Below Ground	Meet 98	False
Capacity:	6000		
Total Tanks:	1		
Number UST's:	1		
Lust ID:	R099999		

**B8**  
**SSE**  
 1/8-1/4  
 1281  
 Higher

**JOPLIN, CITY OF**  
**303 E 3RD**  
**JOPLIN, MO 64801**

Site 2 of 2 in cluster B

**FINDS**    **1000285190**  
**RCRIS-LQG**    **MOD010649846**

**RCRIS:**

Owner: CITY OF JOPLIN  
 Contact: BRUCE RHODES  
 (417) 624-0820  
 Record Date: 11/17/1988  
 Classification: Large Quantity Generator  
 Used Oil Recyc: No  
 Violation Status: No violations found

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
 Permit Compliance System (PCS)

**C9**  
**South**  
 1/4-1/2  
 1487  
 Higher

**JOPLIN GLOBE PUBLISHING CO**  
**117 E 4TH ST**  
**JOPLIN, MO 64801**

Site 1 of 2 in cluster C

**RCRIS-SQG**    **1000893030**  
**FINDS**    **MOD985815356**

**RCRIS:**

Owner: JOPLIN GLOBE PUBLISHING CO  
 (417) 823-3480  
 Contact: ROBERT MCFARLIN  
 (417) 823-3480  
 Record Date: 05/18/1992  
 Classification: Conditionally Exempt Small Quantity Generator

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

EDR ID Number  
 EPA ID Number

---

**JOPLIN GLOBE PUBLISHING CO (Continued)** **1000830303**  
 Used Oil Recyc: No  
 Violation Status: No violations found

**FINDS:**  
 Other Pertinent Environmental Activity Identified at Site:  
 AIRS Facility System (AIRS/AFS)

---

**C10** **HERTZ RENT A CAR** **UST** **U001159633**  
**South** **401 VIRGINIA AVE**  
**1/4-1/2** **JOPLIN, MO 64801**  
**1520**  
**Higher** **Site 2 of 2 in cluster C**

**UST:**

Facility ID:	ST0001871			
Owner:	TRANSPORTATION SERVICE COMPANY			
	401 VIRGINIA AVENUE			
	JOPLIN, MO 64801			
Tank ID:	1	Owner ID:	OW09986	
Tank Type:	Below Ground	Tank Status:	Permanently Closed in place	
Capacity:	2000	Substance:	Gasoline, including blends	
Total Tanks:	2	Active Tanks:	0	
Number UST's:	2	Number AST's:	0	
Lust ID:	R099999	Meet 98	False	
Facility ID:	ST0001871			
Owner:	TRANSPORTATION SERVICE COMPANY			
	401 VIRGINIA AVENUE			
	JOPLIN, MO 64801			
Tank ID:	2	Owner ID:	OW09986	
Tank Type:	Below Ground	Tank Status:	Permanently Closed in place	
Capacity:	2000	Substance:	Gasoline, including blends	
Total Tanks:	2	Active Tanks:	0	
Number UST's:	2	Number AST's:	0	
Lust ID:	R099999	Meet 98	False	

---

**11** **TAMKO ROOFING PRODUCTS INC** **RCRIS-SQG** **1001961142**  
**SSW** **220 W 4TH ST**  
**1/4-1/2** **JOPLIN, MO 64801**  
**1536**  
**Higher** **FINDS** **MOD150948941**

**RCRIS:**  
 Owner: TAMKO ROOFING PRODUCTS INC  
 (417) 624-6644  
 Contact: DONALD KIRK  
 (417) 624-6644  
 Record Date: 01/26/2000  
 Classification: Small Quantity Generator

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**TAMKO ROOFING PRODUCTS INC (Continued)**

1001961142

Used Oil Recyc: No  
 Violation Status: No violations found

12  
 SW  
 1/4-1/2  
 1827  
 Higher

**BUY-N-FLY INC**  
 419 W 4TH ST @ BYERS  
 JOPLIN, MO 64801

UST U000282415  
 N/A

**UST:**

Facility ID: ST0001875  
 Owner: BUY-N-FLY INC  
 419 W 4TH STREET  
 JOPLIN, MO 64801

Tank ID: 1  
 Tank Type: Below Ground  
 Capacity: 6000  
 Total Tanks: 4  
 Number UST's: 4  
 Lust ID: R099999

Owner ID: OW01632  
 Tank Status: Removed  
 Substance: Gasoline, including blends  
 Active Tanks: 2  
 Number AST's: 0  
 Meet 98: False

Facility ID: ST0001875  
 Owner: BUY-N-FLY INC  
 419 W 4TH STREET  
 JOPLIN, MO 64801

Tank ID: 2  
 Tank Type: Below Ground  
 Capacity: 4000  
 Total Tanks: 4  
 Number UST's: 4  
 Lust ID: R099999

Owner ID: OW01632  
 Tank Status: Removed  
 Substance: Gasoline, including blends  
 Active Tanks: 2  
 Number AST's: 0  
 Meet 98: False

Facility ID: ST0001875  
 Owner: BUY-N-FLY INC  
 419 W 4TH STREET  
 JOPLIN, MO 64801

Tank ID: 3  
 Tank Type: Below Ground  
 Capacity: 4000  
 Total Tanks: 4  
 Number UST's: 4  
 Lust ID: R099999

Owner ID: OW01632  
 Tank Status: Currently In use  
 Substance: Gasoline, including blends  
 Active Tanks: 2  
 Number AST's: 0  
 Meet 98: True

Facility ID: ST0001875  
 Owner: BUY-N-FLY INC  
 419 W 4TH STREET  
 JOPLIN, MO 64801

Tank ID: 4  
 Tank Type: Below Ground  
 Capacity: 4000  
 Total Tanks: 4  
 Number UST's: 4  
 Lust ID: R099999

Owner ID: OW01632  
 Tank Status: Currently in use  
 Substance: Gasoline, including blends  
 Active Tanks: 2  
 Number AST's: 0  
 Meet 98: True

**MAP FINDINGS**

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**13**  
 South  
 1/4-1/2  
 2524  
 Higher

**HOWARDS E-Z STOP (FORMER)**  
**640 JOPLIN ST**  
**JOPLIN, MO 64801**

**LUST**    **U000282712**  
 N/A

**LUST:**

Facility ID:	ST0001874	Lust ID:	R003883
Owner ID:	OW10095	Region:	SW - Southwest Regional Office
Release Date:	04/05/93	Active:	FALSE
Tank Type:	UNDERGROUND STORAGE TANK		
Site Type:	Not reported		
Remediation Techniques:	Excavation		
	Land Fill		
	Site Characterization		
	Tank Closure		
Media:	SOIL		
	GROUND WATER		
	OFF SITE		
Emergency Response Date:	/ /		
Emergency Cleanup Start:	/ /		
Spill Cleanup Start:	03/15/93		
Spill Cleanup Finish:	02/27/97		
Date Added:	06/30/1995		

**14**  
 West  
 1/2-1  
 4496  
 Higher

**EAGLE-PICHER INDUSTRIES**  
**W C ST / PORTER ST**  
**JOPLIN, MO 64802**

**FINDS**    **1000279586**  
**RCRIS-LQG**    **MOD046740148**  
 TRIS  
 RCRIS-TSD  
 RAATS  
 TSCA  
 CORRACTS  
 CERC-NFRAP

**CERCLIS-NFRAP Classification Data:**

Site Incident Category:	Not reported	Federal Facility:	Not a Federal Facility
Ownership Status:	Private	NPL Status:	Not on the NPL
Site Description:	ASBESTOS USER. ASBESTOS USER.		

**CERCLIS-NFRAP Assessment History:**

Assessment:	DISCOVERY	Completed:	19791001
Assessment:	PRELIMINARY ASSESSMENT	Completed:	19810201
Assessment:	PRELIMINARY ASSESSMENT	Completed:	19881031

**CERCLIS-NFRAP Alias Name(s):**

EAGLE PITCHER IND ELECTRONICS (FINDS)

**CORRACTS Data:**

Prioritization: High  
 Status: RCRA Facility Assessment Completed, Determination of Need for a RCRA  
 Facility Investigation, RFI Imposition, RFI Workplan Approved

**RCRIS Corrective Action Summary:**

Effective Date: 09/17/1993  
 Legal Authority: RCRA 3004(u) or equivalent  
 Effective Date: 09/17/1993  
 Legal Authority: Other, specified by Legal Authority Citation



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

EAGLE-PICHER INDUSTRIES (Continued)

1000279586

RCRIS:

Owner: EAGLE-PICHER INDS

Contact: RICHARD COOPER  
(417) 623-8000

Record Date: 01/12/1994

Classification: Large Quantity Generator, TSDF

BIENNIAL REPORTS:

Last Biennial Reporting Year: 1997

Waste	Quantity (Lbs)	Waste	Quantity (Lbs)
D001	53713.52	D002	212088525.94
D003	43741.60	D004	588.00
D005	4448.00	D006	111708.00
D007	6371.00	D008	24630.51
D009	4027.00	D011	3027.00
D018	234.51	D035	38527.52
D039	234.51	D040	234.51
F002	5193.00	F003	40697.52
F005	2170.00	F022	15.00

Used Oil Recyc: No

TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: Not reported  
Area of Violation: Generator-All Requirements  
Date Violation Determined: 12/10/1997  
Priority of Violation: Low  
Schedule Date to Achieve Compliance: 12/20/1997  
Actual Date Achieved Compliance: 12/22/1997

Enforcement Action: Written Informal  
Enforcement Action Date: 12/10/1997  
Proposed Monetary Penalty: Not reported  
Final Monetary Penalty: Not reported

Regulation Violated: Not reported  
Area of Violation: Generator-All Requirements  
Date Violation Determined: 12/10/1997  
Priority of Violation: Low  
Schedule Date to Achieve Compliance: 12/20/1997  
Actual Date Achieved Compliance: 12/22/1997

Enforcement Action: Written Informal  
Enforcement Action Date: 12/10/1997  
Proposed Monetary Penalty: Not reported  
Final Monetary Penalty: Not reported

Regulation Violated: Not reported  
Area of Violation: Generator-All Requirements  
Date Violation Determined: 12/10/1997  
Priority of Violation: Low  
Schedule Date to Achieve Compliance: 12/20/1997  
Actual Date Achieved Compliance: 12/22/1997

Enforcement Action: Written Informal  
Enforcement Action Date: 12/10/1997  
Proposed Monetary Penalty: Not reported

**MAP FINDINGS**

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

Database(s) EDR ID Number  
 EPA ID Number

**EAGLE-PICHER INDUSTRIES (Continued)**

**1000279586**

Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	12/10/1997
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	12/20/1997
Actual Date Achieved Compliance:	12/22/1997
Enforcement Action:	Written Informal
Enforcement Action Date:	12/10/1997
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Land Ban Requirements
Date Violation Determined:	12/10/1997
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	12/20/1997
Actual Date Achieved Compliance:	12/22/1997
Enforcement Action:	Written Informal
Enforcement Action Date:	12/10/1997
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	12/10/1997
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	12/20/1997
Actual Date Achieved Compliance:	12/22/1997
Enforcement Action:	Written Informal
Enforcement Action Date:	12/10/1997
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	12/10/1997
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	12/20/1997
Actual Date Achieved Compliance:	12/22/1997
Enforcement Action:	Written Informal
Enforcement Action Date:	12/10/1997
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Groundwater Monitoring Requirements
Date Violation Determined:	04/30/1984
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	06/15/1984
Actual Date Achieved Compliance:	Not reported
Enforcement Action:	Written Informal
Enforcement Action Date:	04/30/1984
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

EAGLE-PICHER INDUSTRIES (Continued)

1000279586

Area of Violation:	TSD-Other Requirements
Date Violation Determined:	06/19/1984
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	08/28/1984
Actual Date Achieved Compliance:	03/06/1985
Enforcement Action:	Initial Formal 3008(a) Compliance Order
Enforcement Action Date:	08/21/1984
Proposed Monetary Penalty:	\$ 29,230.00
Final Monetary Penalty:	\$ 29,230.00
Regulation Violated:	Not reported
Area of Violation:	TSD-Groundwater Monitoring Requirements
Date Violation Determined:	04/30/1984
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	06/15/1984
Actual Date Achieved Compliance:	Not reported
Enforcement Action:	Written Informal
Enforcement Action Date:	04/30/1984
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Financial Responsibility Requirements
Date Violation Determined:	05/29/1984
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	06/22/1984
Actual Date Achieved Compliance:	Not reported
Enforcement Action:	Written Informal
Enforcement Action Date:	05/29/1984
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Closure/Post Closure Requirements
Date Violation Determined:	11/19/1985
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	Not reported
Actual Date Achieved Compliance:	11/29/1985
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	11/19/1985
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	Not reported
Actual Date Achieved Compliance:	11/29/1985
Regulation Violated:	Not reported
Area of Violation:	TSD-Groundwater Monitoring Requirements
Date Violation Determined:	09/29/1986
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	05/06/1987
Actual Date Achieved Compliance:	11/13/1987
Enforcement Action:	Written Informal
Enforcement Action Date:	11/03/1986
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

**MAP FINDINGS**

Database(s) EDR ID Number  
 EPA ID Number

**EAGLE-PICHER INDUSTRIES (Continued)**

**1000279586**

Area of Violation:	TSD-Other Requirements
Date Violation Determined:	03/12/1987
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	04/07/1987
Actual Date Achieved Compliance:	04/10/1987
Enforcement Action:	Written Informal
Enforcement Action Date:	03/17/1987
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	04/20/1989
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	06/01/1989
Actual Date Achieved Compliance:	06/06/1989
Enforcement Action:	Written Informal
Enforcement Action Date:	05/03/1989
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	04/20/1989
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	07/11/1989
Actual Date Achieved Compliance:	07/26/1989
Enforcement Action:	Written Informal
Enforcement Action Date:	05/03/1989
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Groundwater Monitoring Requirements
Date Violation Determined:	10/06/1987
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	Not reported
Actual Date Achieved Compliance:	06/15/1989
Enforcement Action:	Written Informal
Enforcement Action Date:	01/20/1988
Proposed Monetary Penalty:	\$ 420,733.00
Final Monetary Penalty:	\$ 420,733.00
Enforcement Action:	Civil Action for Compliance
Enforcement Action Date:	05/26/1989
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Closure/Post Closure Requirements
Date Violation Determined:	10/06/1987
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	Not reported
Actual Date Achieved Compliance:	06/15/1989
Enforcement Action:	Written Informal
Enforcement Action Date:	01/20/1988
Proposed Monetary Penalty:	\$ 420,733.00

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

**MAP FINDINGS**

Database(s) EDR ID Number  
 EPA ID Number

**EAGLE-PICHER INDUSTRIES (Continued)**

**1000279586**

Final Monetary Penalty:	\$ 420,733.00
Enforcement Action:	Civil Action for Compliance
Enforcement Action Date:	05/26/1989
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Financial Responsibility Requirements
Date Violation Determined:	10/06/1987
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	Not reported
Actual Date Achieved Compliance:	06/15/1989
Enforcement Action:	Written Informal
Enforcement Action Date:	01/20/1988
Proposed Monetary Penalty:	\$ 420,733.00
Final Monetary Penalty:	\$ 420,733.00
Enforcement Action:	Civil Action for Compliance
Enforcement Action Date:	05/26/1989
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	10/06/1987
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	Not reported
Actual Date Achieved Compliance:	06/15/1989
Enforcement Action:	Written Informal
Enforcement Action Date:	01/20/1988
Proposed Monetary Penalty:	\$ 420,733.00
Final Monetary Penalty:	\$ 420,733.00
Enforcement Action:	Civil Action for Compliance
Enforcement Action Date:	05/26/1989
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Groundwater Monitoring Requirements
Date Violation Determined:	06/21/1989
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	09/04/1989
Actual Date Achieved Compliance:	03/06/1990
Enforcement Action:	Written Informal
Enforcement Action Date:	06/21/1989
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	04/26/1990
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	06/11/1990
Actual Date Achieved Compliance:	07/26/1990
Enforcement Action:	Written Informal
Enforcement Action Date:	04/27/1990
Proposed Monetary Penalty:	Not reported

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

**MAP FINDINGS**

Database(s)  
 EDR ID Number  
 EPA ID Number

**EAGLE-PICHER INDUSTRIES (Continued)**

**1000279586**

Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Groundwater Monitoring Requirements
Date Violation Determined:	01/14/1991
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	02/22/1991
Actual Date Achieved Compliance:	08/19/1993
Enforcement Action:	Written Informal
Enforcement Action Date:	01/14/1991
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Groundwater Monitoring Requirements
Date Violation Determined:	01/14/1991
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	02/22/1991
Actual Date Achieved Compliance:	08/19/1993
Enforcement Action:	Written Informal
Enforcement Action Date:	01/14/1991
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	04/16/1991
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	07/19/1991
Actual Date Achieved Compliance:	07/19/1991
Enforcement Action:	Written Informal
Enforcement Action Date:	04/23/1991
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	04/16/1991
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	07/19/1991
Actual Date Achieved Compliance:	07/19/1991
Enforcement Action:	Written Informal
Enforcement Action Date:	05/20/1991
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	05/28/1992
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	07/23/1992
Actual Date Achieved Compliance:	08/04/1992
Enforcement Action:	Written Informal
Enforcement Action Date:	05/28/1992
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

EAGLE-PICHER INDUSTRIES (Continued)

1000279586

Area of Violation: TSD-Other Requirements  
Date Violation Determined: 05/28/1992  
Priority of Violation: Low  
Schedule Date to Achieve Compliance: 07/23/1992  
Actual Date Achieved Compliance: 08/04/1992

Enforcement Action: Written Informal  
Enforcement Action Date: 05/28/1992  
Proposed Monetary Penalty: Not reported  
Final Monetary Penalty: Not reported

Regulation Violated: Not reported  
Area of Violation: TSD-Other Requirements  
Date Violation Determined: 05/13/1993  
Priority of Violation: Low  
Schedule Date to Achieve Compliance: 06/08/1993  
Actual Date Achieved Compliance: 06/10/1993

Enforcement Action: Written Informal  
Enforcement Action Date: 05/21/1993  
Proposed Monetary Penalty: Not reported  
Final Monetary Penalty: Not reported

Regulation Violated: Not reported  
Area of Violation: TSD-Other Requirements  
Date Violation Determined: 05/13/1993  
Priority of Violation: Low  
Schedule Date to Achieve Compliance: 06/08/1993  
Actual Date Achieved Compliance: 06/10/1993

Enforcement Action: Written Informal  
Enforcement Action Date: 05/21/1993  
Proposed Monetary Penalty: Not reported  
Final Monetary Penalty: Not reported

Regulation Violated: Not reported  
Area of Violation: TSD-Other Requirements  
Date Violation Determined: 05/13/1993  
Priority of Violation: Low  
Schedule Date to Achieve Compliance: 06/08/1993  
Actual Date Achieved Compliance: 06/10/1993

Enforcement Action: Written Informal  
Enforcement Action Date: 05/21/1993  
Proposed Monetary Penalty: Not reported  
Final Monetary Penalty: Not reported

Regulation Violated: Not reported  
Area of Violation: TSD-Other Requirements  
Date Violation Determined: 05/13/1993  
Priority of Violation: Low  
Schedule Date to Achieve Compliance: 06/08/1993  
Actual Date Achieved Compliance: 06/10/1993

Enforcement Action: Written Informal  
Enforcement Action Date: 05/21/1993  
Proposed Monetary Penalty: Not reported  
Final Monetary Penalty: Not reported

Regulation Violated: Not reported  
Area of Violation: TSD-Other Requirements  
Date Violation Determined: 05/13/1993

MAP FINDINGS

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

Database(s)  
EDR ID Number  
EPA ID Number

EAGLE-PICHER INDUSTRIES (Continued)

1000279586

Priority of Violation: Low  
Schedule Date to Achieve Compliance: 06/08/1993  
Actual Date Achieved Compliance: 06/10/1993  
Enforcement Action: Written Informal  
Enforcement Action Date: 05/21/1993  
Proposed Monetary Penalty: Not reported  
Final Monetary Penalty: Not reported  
Regulation Violated: Not reported  
Area of Violation: TSD-Other Requirements  
Date Violation Determined: 05/13/1993  
Priority of Violation: Low  
Schedule Date to Achieve Compliance: 07/16/1993  
Actual Date Achieved Compliance: 07/16/1993  
Enforcement Action: Written Informal  
Enforcement Action Date: 05/21/1993  
Proposed Monetary Penalty: Not reported  
Final Monetary Penalty: Not reported  
Regulation Violated: Not reported  
Area of Violation: TSD-Other Requirements  
Date Violation Determined: 05/13/1993  
Priority of Violation: Low  
Schedule Date to Achieve Compliance: 07/16/1993  
Actual Date Achieved Compliance: 07/16/1993  
Enforcement Action: Written Informal  
Enforcement Action Date: 05/21/1993  
Proposed Monetary Penalty: Not reported  
Final Monetary Penalty: Not reported  
Regulation Violated: Not reported  
Area of Violation: TSD-Other Requirements  
Date Violation Determined: 05/13/1993  
Priority of Violation: Low  
Schedule Date to Achieve Compliance: 06/08/1993  
Actual Date Achieved Compliance: 06/10/1993  
Enforcement Action: Written Informal  
Enforcement Action Date: 05/21/1993  
Proposed Monetary Penalty: Not reported  
Final Monetary Penalty: Not reported  
Regulation Violated: Not reported  
Area of Violation: TSD-Other Requirements  
Date Violation Determined: 05/13/1993  
Priority of Violation: Low  
Schedule Date to Achieve Compliance: 06/08/1993  
Actual Date Achieved Compliance: 06/10/1993  
Enforcement Action: Written Informal  
Enforcement Action Date: 05/21/1993  
Proposed Monetary Penalty: Not reported  
Final Monetary Penalty: Not reported  
Regulation Violated: Not reported  
Area of Violation: TSD-Other Requirements  
Date Violation Determined: 05/13/1993  
Priority of Violation: Low  
Schedule Date to Achieve Compliance: 07/16/1993



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

EAGLE-PICHER INDUSTRIES (Continued)

1000279586

Actual Date Achieved Compliance: 07/16/1993  
Enforcement Action: Written Informal  
Enforcement Action Date: 05/21/1993  
Proposed Monetary Penalty: Not reported  
Final Monetary Penalty: Not reported  
Regulation Violated: Not reported  
Area of Violation: TSD-Other Requirements  
Date Violation Determined: 05/13/1993  
Priority of Violation: Low  
Schedule Date to Achieve Compliance: 07/16/1993  
Actual Date Achieved Compliance: 07/16/1993  
Enforcement Action: Written Informal  
Enforcement Action Date: 05/21/1993  
Proposed Monetary Penalty: Not reported  
Final Monetary Penalty: Not reported  
Regulation Violated: Not reported  
Area of Violation: TSD-Other Requirements  
Date Violation Determined: 05/13/1993  
Priority of Violation: Low  
Schedule Date to Achieve Compliance: 07/16/1993  
Actual Date Achieved Compliance: 07/16/1993  
Enforcement Action: Written Informal  
Enforcement Action Date: 05/21/1993  
Proposed Monetary Penalty: Not reported  
Final Monetary Penalty: Not reported  
Regulation Violated: Not reported  
Area of Violation: TSD-Other Requirements  
Date Violation Determined: 05/13/1993  
Priority of Violation: Low  
Schedule Date to Achieve Compliance: 07/16/1993  
Actual Date Achieved Compliance: 07/16/1993  
Enforcement Action: Written Informal  
Enforcement Action Date: 05/21/1993  
Proposed Monetary Penalty: Not reported  
Final Monetary Penalty: Not reported  
Regulation Violated: Not reported  
Area of Violation: TSD-Other Requirements  
Date Violation Determined: 05/13/1993  
Priority of Violation: Low  
Schedule Date to Achieve Compliance: 07/16/1993  
Actual Date Achieved Compliance: 07/16/1993  
Enforcement Action: Written Informal  
Enforcement Action Date: 05/21/1993  
Proposed Monetary Penalty: Not reported  
Final Monetary Penalty: Not reported  
Regulation Violated: Not reported  
Area of Violation: TSD-Other Requirements  
Date Violation Determined: 03/18/1992  
Priority of Violation: High  
Schedule Date to Achieve Compliance: 06/30/1992  
Actual Date Achieved Compliance: 06/25/1992  
Enforcement Action: Written Informal

**MAP FINDINGS**

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

Database(s) EDR ID Number  
 EPA ID Number

**EAGLE-PICHER INDUSTRIES (Continued)**

**1000279586**

Enforcement Action Date:	03/18/1992
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	06/19/1995
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	07/28/1995
Actual Date Achieved Compliance:	07/31/1995
Enforcement Action:	Written Informal
Enforcement Action Date:	06/30/1995
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	06/19/1995
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	07/28/1995
Actual Date Achieved Compliance:	07/31/1995
Enforcement Action:	Written Informal
Enforcement Action Date:	06/30/1995
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	06/19/1995
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	07/28/1995
Actual Date Achieved Compliance:	07/31/1995
Enforcement Action:	Written Informal
Enforcement Action Date:	06/30/1995
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	06/19/1995
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	07/28/1995
Actual Date Achieved Compliance:	07/31/1995
Enforcement Action:	Written Informal
Enforcement Action Date:	06/30/1995
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	07/14/1999
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	07/29/1999
Actual Date Achieved Compliance:	Not reported
Enforcement Action:	Written Informal
Enforcement Action Date:	07/15/1999
Proposed Monetary Penalty:	Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

EAGLE-PICHER INDUSTRIES (Continued)

1000279586

Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	07/14/1999
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	07/29/1999
Actual Date Achieved Compliance:	Not reported
Enforcement Action:	Written Informal
Enforcement Action Date:	07/15/1999
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	07/14/1999
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	07/29/1999
Actual Date Achieved Compliance:	07/22/1999
Enforcement Action:	Written Informal
Enforcement Action Date:	07/15/1999
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	03/06/1985
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	Not reported
Actual Date Achieved Compliance:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	03/06/1985
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	Not reported
Actual Date Achieved Compliance:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Closure/Post Closure Requirements
Date Violation Determined:	11/19/1985
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	11/27/1985
Actual Date Achieved Compliance:	11/29/1985
Enforcement Action:	Written Informal
Enforcement Action Date:	11/19/1985
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	11/19/1985
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	11/27/1985
Actual Date Achieved Compliance:	11/29/1985
Enforcement Action:	Written Informal
Enforcement Action Date:	11/19/1985
Proposed Monetary Penalty:	Not reported

MAP FINDINGS

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

Database(s) EDR ID Number  
EPA ID Number

**EAGLE-PICHER INDUSTRIES (Continued)**

**1000279586**

Final Monetary Penalty: Not reported



MAP FINDINGS

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**EAGLE-PICHER INDUSTRIES (Continued)**

**1000279586**

Compliance Evaluation Inspection (CEI)  
Non-Financial Record Review

TSD-Groundwater Monitoring Requirements  
TSD-Groundwater Monitoring Requirements

**NY MANIFEST**

Additional detail is available in NY MANIFEST. Please contact your EDR Account Executive for more information.

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:

- AIRS Facility System (AIRS/AFS)
- Enforcement Docket System (DOCKET)
- National Compliance Database (NCDB)
- Permit Compliance System (PCS)

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)	Facility ID
JOPLIN	U003757091	FLYING J TRAVEL PLAZA	I-44 & HWY 71	64801	UST	ST0009165
JOPLIN	1002954897	JOPLIN STONE COMPANY	ROUTE 1 BOX 107	64801	FINDS	
JOPLIN	U003164424	DUNCAN'S COUNTRY STORE	RT 1 BOX 73	64801	UST	ST0005156
JOPLIN	1002955603	JOPLIN OIL PONDS	NW 1/4 SEC 33 T27N R34W	64801	FINDS	
JOPLIN	1002955544	JOPLIN SCHOOL DISTRICT R-3	1717 E 15	64801	FINDS, FTTS	
JOPLIN	S104104803	INTERNATIONAL PAPER CO - JOPLIN	20TH AND RANGELINE	64801	SHWS	
JOPLIN	U003377972	THE PHOTO PLACE INC	RT 3 BOX 855 (N MAIN ST RD)	64801	UST, LUST	ST0001890
JOPLIN	U003756386	LOVE'S COUNTRY STORE #282	4013 HIGHWAY 43	64801	UST	ST00020794
JOPLIN	1000388938	GILSTRAP'S, WALT PROPERTY	RT 5	64801	CERC-NFRAP	
JOPLIN	1000211362	BAKER SEPTIC TANK SVC	RTE 6	64801	RCRIS-SQG, FINDS	
JOPLIN	U000750422	FISCA OIL CO INC #124	HWY 66	64801	UST	ST0010900
JOPLIN	1000132502	TRI STATE MOTOR TRANSIT CO	E 7TH ST	64801	PADS, RCRIS-SQG, FINDS	
JOPLIN	1001196958	R&R TRUCKING INC	8497A E 7TH ST	64801	UST	
JOPLIN	U000282994	SOUTHWEST DIESEL INC	E 7TH ST PO BOX 1825	64801	RCRIS-SQG, FINDS	
JOPLIN	U003164692	AMERICAN FREIGHTWAYS INC	W 7TH ST (RT 7, BOX 258)	64801	UST, LUST	ST0002391
JOPLIN	1000407646	SOUTHEAST MANUFACTURING CO INC	RTE 8	64801	UST	ST0009358
JOPLIN	U003756899	JOPLIN PETRO	I-44 @ EXIT 4	64801	UST	ST0002119
JOPLIN	1001958654	ICI EXPLOSIVES USA INC. - JOPLIN SITE	3078 COUNTY ROAD 180	64801	TSCA	
JOPLIN	1002952410	JOPLIN CEMENT COMPANY	DUQUESNE / JAKES ROAD	64801	FINDS	
JOPLIN	94413269	FROM JOPLIN, MO TO TULSA, OK; LEAK DISCOVERED AT TULSA	FROM JOPLIN, MO TO TULSA, OK; LEAK DISCOVERED AT TULSA		ERNS	
JOPLIN	96519184	ICI EXPLOSIVES JOPLIN MO	ICI EXPLOSIVES JOPLIN MO	64801	ERNS	
JOPLIN	U001159617	NICKERSON FARMS OF JOPLIN	JCT I-44 & HWY 69	64801	UST	ST0001833
JOPLIN	93323682	JOPLIN AMBULANCE CO.	JOPLIN AMBULANCE CO.		ERNS	
JOPLIN	8856098	JOPLIN HIGH SCHOOL	JOPLIN HIGH SCHOOL		ERNS	
JOPLIN	S103924891	JOPLIN OIL PONDS	SEE LEGAL DESCRIPTION	64801	SHWS	
JOPLIN	1000265197	JOPLIN SANITARY LANDFILL	STATE RD P	64801	CERC-NFRAP	
JOPLIN	U000751497	M-28 JOPLIN	WEIGHT STA D-4E, I 44 W OF JO	64801	UST	ST0001855

## EPA Waste Codes Addendum

Code	Description
D001	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-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.
D002	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
D003	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.
D004	ARSENIC
D005	BARIUM
D006	CADMIUM
D007	CHROMIUM
D008	LEAD
D009	MERCURY
D011	SILVER
D018	BENZENE
D035	METHYL ETHYL KETONE
D039	TETRACHLOROETHYLENE
D040	TRICHLOROETHYLENE
F002	THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.



## EPA Waste Codes Addendum

Code	Description
F003	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.
F005	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
P022	CARBON DISULFIDE

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

## FEDERAL ASTM STANDARD RECORDS

### **NPL: National Priority List**

Source: EPA

Telephone: N/A

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

Date of Government Version: 01/23/01

Date Made Active at EDR: 02/16/01

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 02/05/01

Elapsed ASTM days: 11

Date of Last EDR Contact: 02/05/01

### **Proposed NPL: Proposed National Priority List Sites**

Source: EPA

Telephone: N/A

Date of Government Version: 01/23/01

Date Made Active at EDR: 02/16/01

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 02/05/01

Elapsed ASTM days: 11

Date of Last EDR Contact: 02/05/01

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

Source: EPA

Telephone: 703-413-0223

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

Date of Government Version: 12/28/00

Date Made Active at EDR: 02/28/01

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 12/29/00

Elapsed ASTM days: 61

Date of Last EDR Contact: 03/26/01

### **CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned**

Source: EPA

Telephone: 703-413-0223

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

Date of Government Version: 12/28/00

Date Made Active at EDR: 02/28/01

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 12/29/00

Elapsed ASTM days: 61

Date of Last EDR Contact: 03/26/01

### **CORRACTS: Corrective Action Report**

Source: EPA

Telephone: 800-424-9346

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/20/00  
Date Made Active at EDR: 06/01/00  
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 06/12/00  
Elapsed ASTM days: 50  
Date of Last EDR Contact: 03/14/01

## **RCRIS: Resource Conservation and Recovery Information System**

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

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

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

Date of Data Arrival at EDR: 07/10/00  
Elapsed ASTM days: 21  
Date of Last EDR Contact: 01/30/01

## **ERNS: Emergency Response Notification System**

Source: EPA/NTIS  
Telephone: 202-260-2342

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

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

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

## **FEDERAL ASTM SUPPLEMENTAL RECORDS**

### **BRS: Biennial Reporting System**

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

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

Date of Government Version: 12/31/97  
Database Release Frequency: Biennially

Date of Last EDR Contact: 03/19/01  
Date of Next Scheduled EDR Contact: 06/18/01

### **CONSENT: Superfund (CERCLA) Consent Decrees**

Source: EPA Regional Offices  
Telephone: Varies

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

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

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

### **ROD: Records Of Decision**

Source: NTIS  
Telephone: 703-416-0223

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

Date of Government Version: 09/30/99  
Database Release Frequency: Annually

Date of Last EDR Contact: 01/09/01  
Date of Next Scheduled EDR Contact: 04/09/01

### **DELISTED NPL: National Priority List Deletions**

Source: EPA  
Telephone: N/A

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/23/01  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/05/01  
Date of Next Scheduled EDR Contact: 05/07/01

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

Source: EPA  
Telephone: N/A

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

Date of Government Version: 07/07/00  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/09/01  
Date of Next Scheduled EDR Contact: 04/09/01

**HMIRS: Hazardous Materials Information Reporting System**

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

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

Date of Government Version: 05/31/00  
Database Release Frequency: Annually

Date of Last EDR Contact: 01/23/01  
Date of Next Scheduled EDR Contact: 04/23/01

**MLTS: Material Licensing Tracking System**

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

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

Date of Government Version: 01/30/01  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/09/01  
Date of Next Scheduled EDR Contact: 04/09/01

**MINES: Mines Master Index File**

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

Date of Government Version: 08/01/98  
Database Release Frequency: Semi-Annually

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

**NPL LIENS: Federal Superfund Liens**

Source: EPA  
Telephone: 205-564-4267

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

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

Date of Last EDR Contact: 02/20/01  
Date of Next Scheduled EDR Contact: 05/21/01

**PADS: PCB Activity Database System**

Source: EPA  
Telephone: 202-260-3936

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

Date of Government Version: 01/01/00  
Database Release Frequency: Annually

Date of Last EDR Contact: 02/12/01  
Date of Next Scheduled EDR Contact: 05/14/01

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **RAATS: RCRA Administrative Action Tracking System**

Source: EPA  
Telephone: 202-564-4104

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

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

Date of Last EDR Contact: 03/13/01  
Date of Next Scheduled EDR Contact: 06/11/01

## **TRIS: Toxic Chemical Release Inventory System**

Source: EPA  
Telephone: 202-260-1531

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

Date of Government Version: 12/31/97  
Database Release Frequency: Annually

Date of Last EDR Contact: 03/26/01  
Date of Next Scheduled EDR Contact: 06/25/01

## **TSCA: Toxic Substances Control Act**

Source: EPA  
Telephone: 202-260-1444

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

Date of Government Version: 12/31/98  
Database Release Frequency: Every 4 Years

Date of Last EDR Contact: 03/30/01  
Date of Next Scheduled EDR Contact: 06/12/01

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

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

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

Date of Government Version: 08/30/00  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/26/01  
Date of Next Scheduled EDR Contact: 06/25/01

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

Source: EPA  
Telephone: 202-564-2501

Date of Government Version: 08/10/00  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/26/01  
Date of Next Scheduled EDR Contact: 06/25/01

## **STATE OF MISSOURI ASTM STANDARD RECORDS**

### **SHWS: Registry of Confirmed Abandoned or Uncontrolled Hazardous Waste Disposal Sites**

Source: Department of Natural Resources  
Telephone: 573-751-1990

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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/00  
Date Made Active at EDR: 02/28/01  
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 01/22/01  
Elapsed ASTM days: 37  
Date of Last EDR Contact: 01/09/01

## **SWF/LF: Solid Waste Facility List**

Source: Department of Natural Resources  
Telephone: 573-751-5401

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

Date of Government Version: 01/02/01  
Date Made Active at EDR: 02/28/01  
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 01/23/01  
Elapsed ASTM days: 36  
Date of Last EDR Contact: 01/23/01

## **LUST: Leaking Underground Storage Tanks**

Source: Department of Natural Resources  
Telephone: 573-751-0135

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: 11/22/00  
Date Made Active at EDR: 02/22/01  
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 01/15/01  
Elapsed ASTM days: 38  
Date of Last EDR Contact: 01/15/01

## **UST: Petroleum Storage Tanks**

Source: Department of Natural Resources  
Telephone: 573-751-0135

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: 12/20/00  
Date Made Active at EDR: 02/28/01  
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 01/22/01  
Elapsed ASTM days: 37  
Date of Last EDR Contact: 01/22/01

## **STATE OF MISSOURI ASTM SUPPLEMENTAL RECORDS**

### **AST: Aboveground Petroleum Storage Tanks**

Source: Department of Natural Resources  
Telephone: 573-751-3176

Registered Aboveground Storage Tanks.

Date of Government Version: 12/20/00  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 01/22/01  
Date of Next Scheduled EDR Contact: 04/16/01

### **RRC: Certified Hazardous Waste Resource Recovery Facilities**

Source: Department of Natural Resources  
Telephone: 573-751-3176

Date of Government Version: 12/01/00  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 03/20/01  
Date of Next Scheduled EDR Contact: 06/18/01

## **EDR PROPRIETARY DATABASES**

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

### **Disclaimer Provided by Real Property Scan, Inc.**

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## HISTORICAL AND OTHER DATABASE(S)

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

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

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

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

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

# GEOCHECK®- PHYSICAL SETTING SOURCE ADDENDUM

## TARGET PROPERTY ADDRESS

JOPLIN UNION DEPOT  
207 NORTH MAIN STREET  
JOPLIN, MO 64801

## TARGET PROPERTY COORDINATES

Latitude (North):	37.091702 - 37° 5' 30.1"
Longitude (West):	94.513100 - 94° 30' 47.2"
Universal Transverse Mercator:	Zone 15
UTM X (Meters):	365524.6
UTM Y (Meters):	4105912.8

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

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

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

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



# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## **GROUNDWATER FLOW DIRECTION INFORMATION**

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

## **TOPOGRAPHIC INFORMATION**

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

## **USGS TOPOGRAPHIC MAP ASSOCIATED WITH THIS SITE**

Target Property: 2437094-A5 JOPLIN WEST, MO KS  
Source: USGS 7.5 min quad Index

## **GENERAL TOPOGRAPHIC GRADIENT AT TARGET PROPERTY**

Target Property: General NNE.

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

## **HYDROLOGIC INFORMATION**

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

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

## **FEMA FLOOD ZONE**

Target Property County  
JASPER, MO

FEMA Q3 Flood  
Data Electronic Coverage  
NO

Flood Plain Panel at Target Property:  
Additional Panels in search area:

Not Reported  
Not Reported

## **NATIONAL WETLAND INVENTORY**

NWI Quad at Target Property  
JOPLIN WEST

NWI Electronic  
Coverage  
YES - refer to the Overview Map and Detail Map

## **HYDROGEOLOGIC INFORMATION**

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

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## AQUIFLOW®

Search Radius: 2.000 Miles.

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

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

## GROUNDWATER FLOW VELOCITY INFORMATION

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

## GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

### GEOLOGIC AGE IDENTIFICATION

Geologic Code: M2  
Era: Paleozoic  
System: Mississippian  
Series: Meramecian Series

### ROCK STRATIGRAPHIC UNIT

Category: Stratified Sequence

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

## DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

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

Soil Component Name: CLARKSVILLE

Soil Surface Texture: very cherty - silt loam

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

Soil Drainage Class: Somewhat excessive. Soils have high hydraulic conductivity and low water holding capacity. Depth to water table is more than 6 feet.

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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

Corrosion Potential - Uncoated Steel: **LOW**

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	13 inches	very cherty - silt loam	A-2-4	COURSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel	Max: 6.00 Min: 2.00	Max: 6.00 Min: 3.60
2	13 inches	47 inches	very cherty - silty clay loam	A-2-6	COURSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel	Max: 6.00 Min: 2.00	Max: 5.50 Min: 3.60
3	47 inches	80 inches	very cherty - silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COURSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel	Max: 2.00 Min: 0.60	Max: 5.50 Min: 3.60

### OTHER SOIL TYPES IN AREA

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

Soil Surface Textures: very stony - silt loam  
silt loam  
very gravelly - silt loam  
cherty - silt loam  
gravelly - silt loam  
very stony - loam

Surficial Soil Types: very stony - silt loam  
silt loam  
very gravelly - silt loam  
cherty - silt loam  
gravelly - silt loam  
very stony - loam

Shallow Soil Types: very cherty - silt loam  
silt loam  
silty clay loam  
cherty - silty clay loam  
gravelly - silty clay loam  
very stony - loam  
stony - silty clay loam  
silty clay

Deeper Soil Types: very cherty - clay

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

unweathered bedrock  
 silty clay loam  
 very gravelly - loam  
 silty clay  
 gravelly - silt loam  
 extremely cherty - sandy clay loam  
 very gravelly - silty clay  
 stony - clay loam  
 weathered bedrock  
 clay  
 very cherty - silt loam

### ADDITIONAL ENVIRONMENTAL RECORD SOURCES

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

### WELL SEARCH DISTANCE INFORMATION

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

### FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	370545094310001	1/4 - 1/2 Mile NW
3	370532094301201	1/2 - 1 Mile East

### FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
2	MO5208041	1/2 - 1 Mile South

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

### STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
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# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## STATE DATABASE WELL INFORMATION

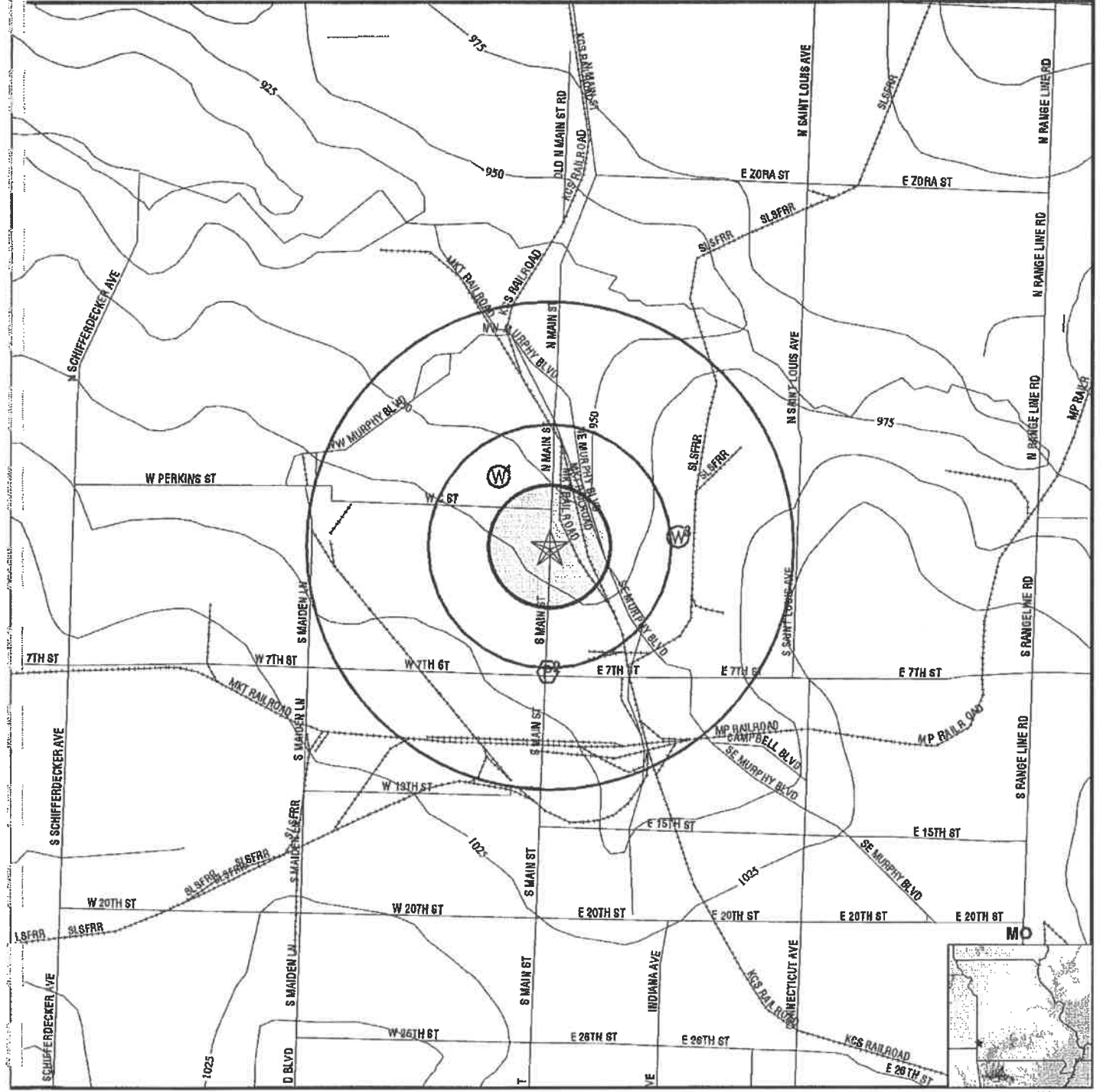
MAP ID

WELL ID

LOCATION  
FROM TP

No Wells Found

# PHYSICAL SETTING SOURCE MAP - 617850.1s



⊙ Earthquake epicenter, Richter 5 or greater

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



<b>TARGET PROPERTY:</b>	Joplin Union Depot	<b>CUSTOMER:</b>	BE&K Terranext
<b>ADDRESS:</b>	207 North Main Street	<b>CONTACT:</b>	Kara M. Taylor
<b>CITY/STATE/ZIP:</b>	Joplin MO 64801	<b>INQUIRY #:</b>	617850.1s
<b>LAT/LONG:</b>	37.0917 / 94.5131	<b>DATE:</b>	April 10, 2001 6:04 pm

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**1**  
**NW**  
**1/4 - 1/2 Mile**  
**Higher**

**FED USGS      370545094310001**

**BASIC WELL DATA**

Site Type:	Single well, other than collector or Ranney type		
Year Constructed:	1937	County:	Jasper
Altitude:	996.00 ft.	State:	Missouri
Well Depth:	1300.00 ft.	Topographic Setting:	Hilltop
Depth to Water Table:	90.00 ft.	Prim. Use of Site:	Unused
Date Measured:	05011937	Prim. Use of Water:	Unused

**2**  
**South**  
**1/2 - 1 Mile**  
**Higher**

**FRDS PWS      MO5208041**

PWS ID:	MO5208041	PWS Status:	Active
Date Initiated:	January / 91	Date Deactivated:	Not Reported
PWS Name:	FOUR SEASONS SPORTS COMPLE RT.7 BOX 390 NEWMAN & PROSPERITY RDS JOPLIN, MO 64801		

Addressee / Facility:      Not Reported

Facility Latitude:	37 05 03	Facility Longitude:	094 30 47
City Served:	FOUR SEASONS		
Treatment Class:	Untreated	Population:	256

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

**3**  
**East**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS      370532094301201**

**BASIC WELL DATA**

Site Type:	Single well, other than collector or Ranney type		
Year Constructed:	1937	County:	Jasper
Altitude:	990.00 ft.	State:	Missouri
Well Depth:	1025.00 ft.	Topographic Setting:	Hillside (slope)
Depth to Water Table:	82.00 ft.	Prim. Use of Site:	Withdrawal of water
Date Measured:	02011937	Prim. Use of Water:	Industrial

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

Federal EPA Radon Zone for JASPER County: 2

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

Zip Code: 64801

Number of sites tested: 10

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.120 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	3.150 pCi/L	75%	25%	0%



# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## HYDROLOGIC INFORMATION

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

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

## HYDROGEOLOGIC INFORMATION

### **AQUIFLOW<sup>R</sup> Information System**

Source: EDR proprietary database of groundwater flow information

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

## GEOLOGIC INFORMATION

### **Geologic Age and Rock Stratigraphic Unit**

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

### **STATSGO: State Soil Geographic Database**

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

## ADDITIONAL ENVIRONMENTAL RECORD SOURCES

### **FEDERAL WATER WELLS**

#### **PWS: Public Water Systems**

Source: EPA/Office of Drinking Water

Telephone: 202-260-2805

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

#### **PWS ENF: Public Water Systems Violation and Enforcement Data**

Source: EPA/Office of Drinking Water

Telephone: 202-260-2805

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

**USGS Water Wells:** In November 1971 the United States Geological Survey (USGS) implemented a national water resource information tracking system. This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on more than 900,000 wells, springs, and other sources of groundwater.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## STATE RECORDS

### Missouri Public Drinking Water Wells

Source: Department of Natural Resources

Telephone: 573-526-5448

## RADON

**Area Radon Information:** The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

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

## OTHER

**Epicenters:** World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration