### **Environmental Site Assessment Update** 51-Acre West Portion of Former Plotner Tract Springfield, Missouri

January 2010

Prepared for: Partnership Industrial Center West Administrative Council c/o City Utilities of Springfield 301 East Central Street Springfield, Missouri 65801

Reliance on this material by any other party other than City Utilities of Springfield, Missouri is EXPRESSLY FORBIDDEN

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### **ES – EXECUTIVE SUMMARY**

*Note*: MEC has prepared this executive summary solely to provide a general overview. *Do not rely on this executive summary* for any purpose except that for which it was prepared. *Rely ONLY on the full report* for information about findings, opinions, recommendations and other concerns.

### ES.1 Findings

<u>Section 4.1 - State Leaking Underground Storage Tank (LUST) lists.</u> One LUST site was identified within the ASTM 0.5-mile search radius from the Property, Springfield Remanufacturing Corporation at 650 North Broadview Place.

#### Section 4.1 - MDNR Brownfield - Voluntary Cleanup Program (BVCP) sites.

One MDNR Brownfield - Voluntary Cleanup Program site was identified within the ASTM 0.5-mile search radius from the Property; Leggett and Platt, Incorporated, 4654 West Farm Road 130, Springfield, Missouri.

#### Section 5.5 – Indications of Solid Waste Disposal.

Several old tires have been dumped along the driveway of the old farm house.

#### ES.2 Opinion

#### Section 4.1 - State Leaking Underground Storage Tank (LUST) lists.

The LUST site identified within the ASTM 0.5-mile search radius from the Property, Springfield Remanufacturing Corporation at 650 North Broadview Place, received a No Further Action letter on July 2, 1990. Since the site received a No Further Action letter in 1990 and is almost ½-mile from the Property, it is unlikely that this site has impacted the Property.

#### Section 4.1 - MDNR Brownfield - Voluntary Cleanup Program (BVCP) sites.

The BVCP site within the ASTM 0.5-mile search radius from the Property, Leggett and Platt, Incorporated, 4654 West Farm Road 130, Springfield, Missouri is approximately ½ mile from the Property and it is unlikely that is has impacted the Property.

#### Section 5.5 – Indications of Solid Waste Disposal.

The old tires that have been dumped along the driveway of the old farm house do not constitute a Recognized Environmental Condition per ASTM definitions.

#### **ES.3** Conclusions

This Phase I Environmental Site Assessment Update has been performed in conformance with the scope and limitations of ASTM Practice E 1527-05 on the Property identified as the western 51-acre tract of the former Plotner property located southeast of the intersection of State Highway EE (Division Street) and West Farm Road 115 (Haseltine Road). Any exceptions to, or deletions from this practice are described in Section 10 of this report. This assessment revealed no evidence of ASTM Practice E 1527-05 Recognized Environmental Conditions in connection with the Property. Although not a Recognized Environmental Condition, several old tires have been dumped near the driveway of the old farm house.

#### **1. INTRODUCTION**

#### 1.1 Purpose

The ASTM E 1527-05 "Standard Practice for Environmental Site Assessment: Phase I Environmental Site Assessment Process" was used as guidance for the site assessment of the property. The purpose of this Phase I environmental assessment update was to determine if there are any *recognized environmental conditions* on the properties. A *recognized environmental condition,* as defined by ASTM E 1527-05, is "the presence or likely presence of any hazardous substance or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of release of any hazardous substance or petroleum products into structures on the property or into the ground, ground water or surface water of the property."

#### 1.2 Detailed Scope of Services

The detailed scope of services for this Phase I Environmental Site Assessment Update includes four components: interviews, on-site visual inspection, the historical records review and a search of environmental liens. Physical testing or sampling of materials (e.g., soil, water, air, building materials) is not included in the scope of services.

Representatives of Midwest Environmental Consultants (MEC) conducted a site visit on December 3, 2009 to verify existing conditions. A search of federal and state agencies records was conducted to meet the specific search requirements of ASTM E 1527-05. People with first hand knowledge of the site were interviewed to determine current and past uses of the properties.

### 1.3 Significant Assumptions

The background of the PIC West Property was previously documented in a report entitled Phase I Environmental Assessment for Partnership Industrial Center West prepared by Midwest Environmental Consultants (MEC) in April 2000. An addendum letter dated January 31, 2001 from MEC was added to the ESA report that included the 130-acre Plotner Tract located south of State Highway EE (Division Street). The conclusions of the 2000 Phase I ESA and January 2001 ESA addendum were that there were no recognized environmental conditions on the Property. Under the all appropriate inquiries final rule, information collected from previously completed all appropriate inquiries investigations of the subject property can be used as sources of information even when they are more than a year old as long as all information is reviewed for accuracy and is updated to reflect current conditions and current property-specific information.

### 1.4 Limitation of Assessment

The Phase I Environmental Site Assessment (ESA) update is not a comprehensive site characterization. The scope of a Phase I ESA update is limited to those matters in ASTM E 1527-05 described above. For the limited purposes of the Phase I ESA update, MEC reviewed certain federal, state and local records, conducted interviews and visually observed the subject property, but MEC is not responsible for the accuracy of those records and information. Thus, while MEC's conclusions contained in this report are given in good faith and to the best of MEC's ability, MEC makes no warranties or guaranties of the work product, expressed or implied, and accepts no legal responsibility for the client's use of this report.

The ESA included observation of adjacent properties to the extent practicable since permission was not granted to be upon these properties. The review of the property was limited to federal, state, and local record searches, interviews, and visual observations.

### 1.5 Special Terms and Conditions

There are no special terms and conditions associated with this ESA update.

### 1.6 User Reliance

Reliance on this Phase I ESA update by any party other than City Utilities of Springfield is expressly forbidden without the express written permission of Midwest Environmental Consultants and as under contractual requirements between City Utilities of Springfield and MEC. The effective date of the ESA is December 3, 2009, the date of the site visit. According to ASTM E 1527-05 "Standard Practice for Environmental Site Assessment: Phase I Environmental Site Assessment Process, 4. Significance and Use, 4.6 Continued Viability of Environmental Site Assessment" the report is valid for 180 days if the transaction or acquisition occurs within that time period, starting with the effective date of the report. If the transaction or acquisition occurs between 180 days and 1 year of the effective day, the report must be updated in accordance with Section 4.6 of the ASTM standard.

### 2. SITE DESCRIPTION

### 2.1 Location and Legal Description

The subject property being assessed (hereinafter referred to as "the Property") consists of the western 51-acre tract of the former Plotner property located southeast of the intersection of State Highway EE and West Farm Road 115 (Haseltine Road). The general legal description of the tract is "A part of the Northwest Quarter of Section 18, Township 29 North, Range 22 West, in the City of Springfield, Greene County, Missouri."

A site location map showing the location of the Property is included as Figure 1, which is a portion of the Springfield, Missouri, United States Geologic Survey (USGS) topographic map (7.5-minute series). The figure is included in **Appendix 1**.

### 2.2 Current Use of the Property

The Property is located inside the City of Springfield, Missouri city limits and is part of the land known as "Partnership Industrial Center West" (PIC West). The Property is undeveloped but includes a constructed 1.46-acre grass-lined "water quality detention basin" at the northeast corner of the Property. The remainder of the Property is undeveloped rural land. There was an old farm house located at the north boundary of the Property along Division Street. The house has been demolished but the driveway to the house and the old trees that surrounded the house remain.

### 2.3 Description of Structures, Roads or Other Improvements on the Site

There are no structures or roads on the Property. The Property includes a 1.46-acre grass-lined "water quality detention basin" at the northeast corner of the Property. The Property formerly included a farmhouse and out buildings. Since completion of the original Phase I ESA in 2000, the remaining demolition debris from the house and

outbuildings on site has been removed. The Property was thought to have a residential drinking water supply well on site.

#### 2.4 Current Uses of the Adjoining Properties

Adjoining properties are defined in ASTM E 1527-05 as, "any real property or properties the border of which is contiguous or partially contiguous with that of the property, or that would be contiguous or partially contiguous with that of the property but for a street, road, or other public thoroughfare separating them." Current uses of adjoining properties are discussed below. More detailed historical research for adjoining properties is included in Section 4.

#### North Adjoining Property

The Property is bounded to the north by the Springfield Regional Airport property. A revolving radar (DASR) is located immediately north of the Property and north of Division Street.

#### South Adjoining Property

The Property is bounded to the south by the Burlington Northern railroad line. South of the railroad line is NorthStar Battery on the east and Players Softball Complex on the west.

#### East Adjoining Property

The Property is bounded to the east by a FedEx terminal warehouse property.

#### West Adjoining Property

The Property is bounded to the west by West Farm Road 115 (Haseltine Road) and west of the road is undeveloped rural farmland. West of the farm land is White Chapel Memorial Gardens Cemetery.

#### 3. USER PROVIDED INFORMATION

The Phase I ESA User, as defined by ASTM 1527-05, may include "a potential purchaser of a property, a potential tenant of the property, an owner of the property, a lender, or a property manager." For this Phase I ESA, the user would be Partnership Industrial Center West Administrative Council, represented by Mr. Dean Thompson with City Utilties of Springfield. A copy of the Phase I ESA User questionnaire is included in **Appendix 3**.

#### 3.1 Title Records

Chain-of-title search and title records were not provided by the User for the Property.

#### 3.2 Environmental Liens or Activity and Use Limitations

To the ESA User's knowledge, the Property does not have any environmental liens or Activity and Use Limitations (AUL's).

#### 3.3 Owner, Property Manager, and Occupant Information

The current owner of the Property is the Partnership Industrial Center West Administrative Council. Information about the Property was provided by Mr. Dean P. Thompson, who represents the Partnership Industrial Center West Administrative Council. Information provided by Mr. Thompson is included in Section 6.0.

### 3.4 Reason for Performing Phase I Update

The ESA User is performing the ESA for risk management pursuant to any potential property transaction.

### 4. RECORDS REVIEW

### 4.1 Standard Environmental Record Sources

The standard ASTM E 1527-05 file search of federal and state records was conducted. Information was obtained from Environmental Data Resources, Inc. A map showing identified sites and a list search summary are included in **Appendix 2**.

### The federal ASTM record search addresses the following records and/or lists:

<u>National Priorities List (NPL)</u>. The NPL identifies sites for priority cleanup under the Superfund Program. There were no NPL sites identified within the ASTM 1.0-mile search radius from the Property.

<u>National Priorities Delist (DNPL)</u>. The DNPL identifies sites that have been deleted from the NPL where no further response is appropriate. No sites were identified within the ASTM 0.5-mile search radius from the property.

<u>Comprehensive Environmental Response, Compensation, and Liability Information</u> <u>System (CERCLIS)</u>. CERCLIS contains information that has been reported to the United States Environmental Protection Agency (USEPA) pursuant to the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) on sites that may contain hazardous waste. No CERCLIS sites were identified within the ASTM 0.5-mile search radius from the Property.

<u>CERCLIS - No Further Remedial Action (NFRAP)</u>. The NFRAP list provides information on hazardous waste sites that have been removed from the EPA's CERCLIS database. No CERCLIS-NFRAP sites were listed within the ASTM 0.5-mile search radius.

Three sites were listed in the orphan summary; however, they were not within the specified search distance. A site is considered "orphaned" if it cannot be located on the radius map because of insufficient information.

### Resource Conservation and Recovery (RCRA) Treatment, Storage, Disposal (TSD)

<u>CORRACTS and non-CORRACTS Lists.</u> The RCRA TSD CORRACTS and TSD non-CORRACTS lists contain information on sites that treat, store, or dispose of hazardous wastes. Those RCRA sites, which are undergoing corrective actions, are listed on the CORRACTS list. No CORRACTS sites were listed within the 1.0-mile search radius from the Property. There were no non-CORRACTS sites within the 0.5-mile search radius from the property. Two sites were listed in the orphan summary; however, they were not within the specified search distance.

<u>*RCRA Generators List.*</u> The RCRA Generator list includes sites that are registered with EPA as either small or large quantity generators of hazardous waste. The ASTM search distance is the property and adjoining properties. No sites were listed on the EDR list search.

Six sites were listed in the orphan summary; however, they were not within the specified search distance.

<u>Emergency Response Notification System (ERNS)</u>. The ERNS list provides information on sites where releases of hazardous substances or oil products have occurred. The ASTM search distance is the Property and it was not listed on the ERNS list.

One site was listed in the orphan summary; however, it was not within the specified search distance.

<u>U.S. EPA Brownfields Sites</u>. The U.S. EPA maintains a list of those sites under remediation using federal Brownfield grants. No Brownfield sites were listed within the ASTM search radius of 0.5 mile from the Property.

#### The state ASTM record search addresses the following records and/or lists:

<u>State lists of hazardous waste sites identified for investigation or remediation (State</u> <u>Priority List or SPL)</u>. The Missouri Department of Natural Resources (MDNR) Registry of Confirmed Abandoned or Uncontrolled Hazardous Waste Disposal Sites contains information on hazardous waste sites in Missouri. No sites were identified within the ASTM 0.5-mile search radius from the property.

One site was listed in the orphan summary; however, it was not within the specified search distance.

<u>State landfill and/or solid waste disposal site lists</u>. The list identifies landfills that are active or inactive. No sites were identified within the ASTM 0.5-mile search radius from the property.

One site was listed in the orphan summary; however, it was not within the specified search distance.

<u>State Leaking Underground Storage Tank (LUST) lists.</u> The LUST list identifies underground storage tank sites where a release has been reported. One LUST site was identified within the ASTM 0.5-mile search radius from the Property:

• Springfield Remanufacturing Corporation at 650 North Broadview Place. A No Further Action letter was received on July 2, 1990. Sunbelt Environmental performed closure services on all tanks located at the facility. Since the site received a No Further Action letter in 1990 and the site is almost ½-mile from the Property, it is unlikely that this site has impacted the Property. Four sites were listed in the orphan summary; however, they were not within the specified search distance.

<u>State leaking above ground storage tank (LAST) lists.</u> The LAST list identifies above ground storage tank sites where the tanks have leaked. No sites were identified within the ASTM 0.5-mile search radius from the property.

<u>State registered UST/AST lists</u>. The UST/AST list identifies sites where UST or AST's currently operate or have been removed. The ASTM specified search distance is the Property and adjoining properties. No properties were identified within the specified search radius.

Twelve sites were listed in the orphan summary; however, they were not within the specified search distance.

<u>MDNR Brownfield - Voluntary Cleanup Program (BVCP) sites.</u> The list identified one site participating in the MDNR Brownfield - Voluntary Cleanup Program within the ASTM 0.5-mile search radius from the Property.

• Leggett and Platt, Incorporated, 4654 West Farm Road 130, Springfield, Missouri. No further information was provided by the EDR list search about this site. Since this site is almost ½ mile from the Property, it is unlikely that is has impacted the Property.

<u>State Institutional Control/Engineering Control Registries</u>. These registries, when available, list sites that have had identified hazardous materials releases and as a result have had institutional controls or engineering controls imposed upon them in the form of a legal instrument (e.g., deed restriction). MDNR maintains an Activities and Use Limitations (AUL) database that includes these sites. No sites were listed within the ASTM search distance, which is the Property.

### 4.2 Additional Environmental Records Sources

Other databases and environmental files were searched that are not specifically required by the ASTM standard, but are included based on professional judgment of the environmental professional. This information includes listings for Dry Cleaners, State Spills, and Former Manufactured Gas Plant (FMGP) sites.

<u>Dry Cleaners</u>. The State of Missouri established a Drycleaners Environmental Response Trust Fund (DERT). The MDNR conducted extensive searches for properties that are or once were used for dry cleaning operations, MDNR attempted to distinguish between dry cleaning facilities with dry cleaning plants (where chemicals were used) and drop-off only locations (dry stores). The MDNR also attempts to distinguish between chlorinated and non-chlorinated dry cleaning solvents. No sites were identified within approximately 0.25 miles of the property.

Two sites were listed in the orphan summary; however, they were not within the specified search distance.

<u>State Spills.</u> This supplemental database lists environmental response activity by the Department of Natural Resources. The ASTM search distance is the Property and it was not listed.

<u>EDR Manufactured Gas Plants</u>. The EDR maintains a list of Former Manufactured Gas Plant (FMGP) sites in Missouri. No FMGP sites were listed within a 1.0-mile radius of the Property.

### 4.3 Physical Setting Source(s)

The current Springfield, Missouri, USGS 7.5 Minute Topographic Map, showing the area of the Property was reviewed. See 4.4.4 Topographic Maps below for details on the findings.

### 4.4 Historical Use Information on the Property and Adjoining Properties

Sources consulted to obtain information on the Property and adjoining properties include historical city directories, aerial photographs, and topographic maps.

### 4.4.1 City Directories

City directories are developed each year and list the street, street number and occupant of the property. The directories provide an idea of past use of the property. The City Directories provided by EDR did not extend west of Interstate 44 and therefore no information was available for the Property.

### 4.4.2 Aerial Photographs

MEC personnel reviewed historical aerial photographs of the Property from the EDR database, which contains USDA historical aerial photographs. Aerial photographs were available for the years 2007, 1996, 1983 and 1975. Observations from the photographs in reverse chronological order are as follows:

- Photograph Date: 2006 This photograph shows the Property as an undeveloped tract of land. A small clump of trees is visible in the northwest corner of the Property, which is likely the location of the farmhouse.
- Photograph Date: 2005 The Property appears the same as the 2006 photograph.
- Photograph Date: 1997 The Property appears the same as the 2005 photograph.
- Photograph Date: 1990 This photograph shows the Property essentially as it was in 1997.
- Photograph Date: 1985 This photograph shows the Property essentially as it was in 1990.
- Photograph Date: 1984 This photograph shows the Property essentially as it was in 1985.
- Photograph Date: 1975 This photograph shows the Property essentially as it was in 1984.

• Photograph Date: 1970 - This photograph shows the Property essentially as it was in 1975.

Based on this review of historical aerial photographs, the Property has historically been undeveloped land.

### 4.4.3 Sanborn Maps

Sanborn Maps were originally developed to help the insurance industry to determine fire risks of structures. The maps provide details of buildings (i.e., size, shape, construction, window, and door locations), use of the building, property boundaries, street names, building address numbers, fire protection information, and other features. Sanborn maps were requested as part of the EDR list search but no Sanborn maps were available for the Property since it is located in a rural area outside the city.

#### 4.4.4 Topographic Map Review

Historical topographic maps for 1990, 1975, 1970, 1945, and 1886 were obtained through EDR and are included in **Appendix 4**.

- Topographic map year: 1886 This map has a very large scale and no details of the Property are visible.
- Topographic map year: 1960 This map shows the Property as undeveloped farmland. A small black square is shown on the south side of State Highway EE and east of Haseltine Road, which most likely represents the farmhouse on the Property.
- Topographic map year: 1970 This map shows no change since the 1960 topographic map.
- Topographic map year: 1975 This map shows no change since the 1970 topographic map.

The topographic maps for the Property show no changes in use or appearance between 1960 and up to the latest map in 1975.

#### 5. SITE RECONNAISSANCE

A representative of MEC conducted a site visit on December 3, 2009. A second visit was conducted on January 4, 2010 with the original land owner, Mr. Don Plotner.

## 5.1 Hazardous Substance, Petroleum Products and Other Products in Connection With Identified Uses

The Property is not currently in use. There are no hazardous substances, petroleum products, or other products in use on the Property.

## 5.2 Hazardous Substance and Petroleum Products, and Other Products with Unidentified Uses

There were no unidentified containers of hazardous substances or petroleum products observed on the Property.

### 5.3 Storage Tanks

MEC personnel looked for signs of underground storage tanks such as fill pipes, vent pipes, or fuel islands and signs of aboveground tanks such as concrete cradles and stilt bases, during the site walk. There is no evidence to suggest the past or current presence of underground tanks or aboveground tanks for petroleum products.

### 5.4 Indications of Polychlorinated Biphenyls (PCBs)

Polychlorinated Biphenyls (PCB's) may be found in electrical equipment such as transformer and capacitors or hydraulic systems.

There are no above ground utility lines running through or along the Property however there is one electrical transformer located on a concrete pad at the northeast corner of the Property. The transformer was installed in conjunction with development of PIC West after 2001. The transformer is owned by City Utilities of Springfield. Since the U.S. EPA prohibited the use of PCB's in transformers in 1979, the new transformer installed after 2001 would not likely contain PCB's.

### 5.5 Indications of Solid Waste Disposal

The Property is not currently in use. There are no indications of illicit solid waste disposal on the Property, except for several tires that have been dumped on the Property at the driveway of the old farm house.

### 5.6 Other Conditions of Concern

### 5.6.1 Wastewater/Storm Water

The Property does not meet MDNR definitions of an "industrial activity" and therefore does not require any type of wastewater or storm water permit. The property has had a stormwater retention basin constructed at the northwest corner of the Property. This stormwater basin acts to reduce peak storm water run-off flows from the surrounding industrial areas.

### 5.6.2 Wells

There was thought to have been a drinking water supply well on the Property near the old farm house. After meeting with the original landowner, Mr. Don Plotner in January 2010, he said there was only a cistern on the property about 2.0 feet in diameter and unknown depth located near the house. Cisterns are typically used to collected rainwater from the roof of a building and would be located near the building. He said there was never a drilled water supply well and confirmed that the renters of the old farm house had to use bottled water since there was no well on the Property.

#### 5.6.3 Pits, Ponds, and Lagoons

No pits, ponds, or lagoons used for the treatment of commercial or industrial waste were observed on the Property.

### 5.6.4 Stained Soils and Surfaces

There were no stained soils or surfaces on the Property. The ground surface is covered by grass.

#### 5.6.5 Fill Material

The topography of the Property is relatively flat and appears to be the undisturbed ground surface of the previously existing farm land. It did not appear that any off-site fill material had been brought in to change the grade of the Property.

#### 5.7 Photographs of the Site

Photographs of the Property and adjoining properties, with captions to identify photograph locations, are included as **Appendix 6**.

#### **6** INTERVIEWS

#### 6.1 Interview with Owner

The Owner of the Property is also the User of this Phase I ESA report, Partnership Industrial Center West Administrative Council represented by Mr. Dean P. Thompson with City Utilities of Springfield. Mr. Thompson, was interviewed on December 4, 2009 concerning the history of the Property.

According to Mr. Thompson, the Property has historically been undeveloped, rural farm and part of the Plotner tract until it was purchased for development of PIC West. The storm water detention basin has since been constructed at the northwest conrer of the Property.

#### 6.2 Interview with Site Manager

The Property is not currently is use. There was no Site Manager to interview. The Owner interview in Section 6.1 provided information about the Property.

#### 6.3 Interviews with Occupants

The Property is not currently is use. There were no occupants to interview. The Owner interview in Section 6.1 provided information about the Property.

#### 6.4 Interviews with Local Government Officials

No interviews with local government officials were conducted

#### 6.5 Interviews with Others

Mr. Steve Eoff with D&E Plumbing was interviewed to determine if his company had closed the drinking water supply well for the farmhouse on the Property. His company performed site grading and construction work for PIC West but none of their work was south of State Highway EE (Division Street) or included closure of a well.

Mr. Don Plotner was interviewed about the existing drinking water supply well on January 4, 2010. Information from this interview was included in Section 5.6.2.

### 7. FINDINGS

<u>Section 4.1 - State Leaking Underground Storage Tank (LUST) lists.</u> One LUST site was identified within the ASTM 0.5-mile search radius from the Property, Springfield Remanufacturing Corporation at 650 North Broadview Place.

#### Section 4.1 - MDNR Brownfield - Voluntary Cleanup Program (BVCP) sites.

One MDNR Brownfield - Voluntary Cleanup Program site was identified within the ASTM 0.5-mile search radius from the Property, Leggett and Platt, Incorporated, 4654 West Farm Road 130, Springfield, Missouri.

#### Section 5.5 – Indications of Solid Waste Disposal.

Several old tires have been dumped along the driveway of the old farm house.

### 8. OPINION

### Section 4.1 - State Leaking Underground Storage Tank (LUST) lists.

The LUST site identified within the ASTM 0.5-mile search radius from the Property, Springfield Remanufacturing Corporation at 650 North Broadview Place, received a No Further Action letter on July 2, 1990. Since the site received a No Further Action letter in 1990 and is almost ½-mile from the Property, it is unlikely that this site has impacted the Property.

### Section 4.1 - MDNR Brownfield - Voluntary Cleanup Program (BVCP) sites.

The BVCP site within the ASTM 0.5-mile search radius from the Property, Leggett and Platt, Incorporated, 4654 West Farm Road 130, Springfield, Missouri is approximately ½ mile from the Property and it is unlikely that is has impacted the Property.

#### Section 5.5 – Indications of Solid Waste Disposal.

The old tires that have been dumped along the driveway of the old farm house do not constitute a Recognized Environmental Condition per ASTM definitions.

### 9. CONCLUSIONS

This Phase I Environmental Site Assessment Update has been performed in conformance with the scope and limitations of ASTM Practice E 1527-05 on the Property identified as the western 51-acre tract of the former Plotner property located southeast of the intersection of State Highway EE (Division Street) and West Farm Road 115 (Haseltine Road). Any exceptions to, or deletions from this practice are described in Section 10 of this report. This assessment revealed no evidence of ASTM Practice E 1527-05 Recognized Environmental Conditions in connection with the Property.

Although not a Recognized Environmental Condition, several old tires have been dumped near the driveway of the old farm house.

#### 10. DEVIATIONS

The guidelines provided in ASTM 1527-05 were followed in preparation of this report. The Property title records were not provided by the User.

#### **11. SIGNIFICANT DATA GAPS**

There were no significant data gaps

#### **12. ADDITIONAL SERVICES**

No additional services were performed.

#### 13. REFERENCES

References are cited throughout the report and include EDR Radius Search (**Appendix 2**) and historic topographic maps. (**Appendix 4**).

#### 14. QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONAL

The site visit and Phase I EA update was completed by Mr. Tommy Bieker and supervised by Mr. William B. Lindsey, P.E., both with MEC's Springfield, Missouri office.

I declare that, to the best of my professional knowledge and belief, I meet the definition of *Environmental professional* as defined in §312.10 of 40 CFR 312. I have the specific qualifications based on education, training, and experience to assess a *property* of the nature, history, and setting of the subject *Property*. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312. Mr. Lindsey's resume is included in **Appendix 7**.

Willing.

William B. Lindsey, P.E. Senior Project Manager Midwest Environmental Consultants

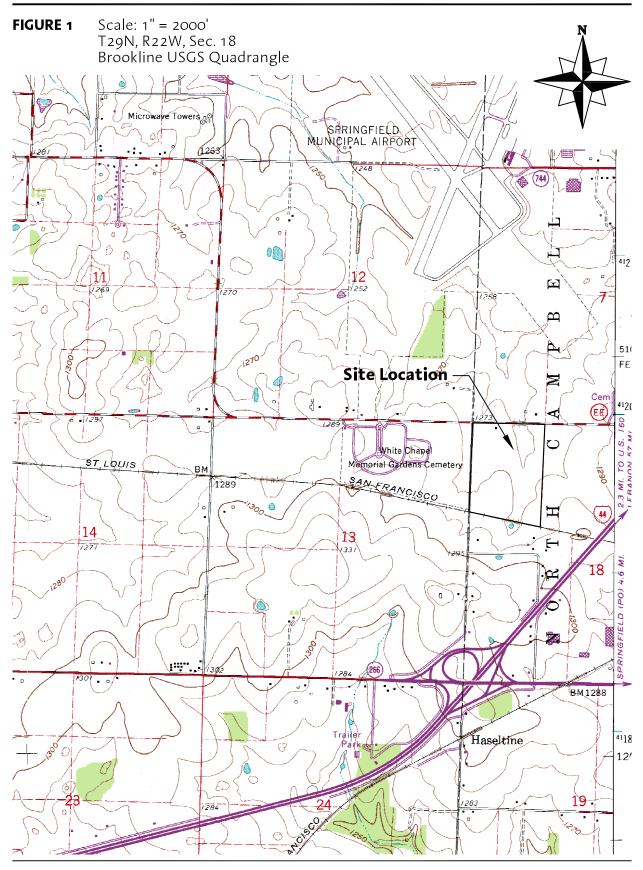
Appendix 1

Figure



### Partnership Industrial Center West Administrative Council

51 Acre West Portion of Former Plotner Tract Site Location Map



January 2010

Appendix 2

Regulatory Records Documentation

EDR Report-Radius Map with GeoCheck<sup>®</sup>

**PIC West** Division/Haseltine Road Springfield, MO 65802

Inquiry Number: 2651136.2s December 03, 2009

# The EDR Radius Map<sup>™</sup> Report with GeoCheck®



440 Wheelers Farms Road Milford, CT 06461 Toll Free: 800.352.0050 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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A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

#### TARGET PROPERTY INFORMATION

#### ADDRESS

DIVISION/HASELTINE ROAD SPRINGFIELD, MO 65802

#### COORDINATES

Latitude (North):	37.226100 - 37° 13' 34.0"
Longitude (West):	93.384000 - 93° 23' 2.4"
Universal Tranverse Mercator:	Zone 15
UTM X (Meters):	465933.7
UTM Y (Meters):	4119820.2
Elevation:	1276 ft. above sea level

#### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	37093-B4 BROOKLINE, MO
Most Recent Revision:	1975
East Map:	37093-B3 SPRINGFIELD, MO
Most Recent Revision:	1996

#### **AERIAL PHOTOGRAPHY IN THIS REPORT**

Portions of Photo from:	2005, 2006
Source:	USDA

#### TARGET PROPERTY SEARCH RESULTS

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

#### DATABASES WITH NO MAPPED SITES

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

#### STANDARD ENVIRONMENTAL RECORDS

#### Federal NPL site list

NPL..... National Priority List

Proposed NPL\_\_\_\_\_ Proposed National Priority List Sites NPL LIENS\_\_\_\_\_ Federal Superfund Liens

#### Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

#### Federal CERCLIS list

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

#### Federal CERCLIS NFRAP site List

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

#### Federal RCRA CORRACTS facilities list

CORRACTS\_\_\_\_\_ Corrective Action Report

#### Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Transporters, Storage and Disposal

#### Federal RCRA generators list

RCRA-LQG	RCRA - Large Quantity Generators
RCRA-SQG	RCRA - Small Quantity Generators
RCRA-CESQG	RCRA - Conditionally Exempt Small Quantity Generator

#### Federal institutional controls / engineering controls registries

US ENG CONTROLS....... Engineering Controls Sites List US INST CONTROL....... Sites with Institutional Controls

#### Federal ERNS list

ERNS..... Emergency Response Notification System

#### State- and tribal - equivalent CERCLIS

SHWS\_\_\_\_\_\_ Registry of Confirmed Abandoned or Uncontrolled Hazardous Waste Disposal Sites

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

SWF/LF\_\_\_\_\_ Permitted Facility List

#### State and tribal leaking storage tank lists

LAST\_\_\_\_\_ Leaking Aboveground Storage Tanks INDIAN LUST\_\_\_\_\_ Leaking Underground Storage Tanks on Indian Land

#### State and tribal registered storage tank lists

UST	Petroleum Storage Tanks
	Aboveground Petroleum Storage Tanks

INDIAN UST..... Underground Storage Tanks on Indian Land

#### State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

#### State and tribal Brownfields sites

BROWNFIELDS..... Brownfields Site List

#### ADDITIONAL ENVIRONMENTAL RECORDS

#### Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

#### Local Lists of Landfill / Solid Waste Disposal Sites

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

#### Local Lists of Hazardous waste / Contaminated Sites

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

#### Local Land Records

LIENS 2	CERCLA Lien Information
LUCIS	Land Use Control Information System

#### **Records of Emergency Release Reports**

HMIRS	Hazardous Materials Information Reporting System
SPILLS	Environmental Response Tracking Database

#### Other Ascertainable Records

RCRA-NonGen DOT OPS	
DOD	
FUDS	Formerly Used Defense Sites
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
MINES	Mines Master Index File
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide
	Act)/TSCA (Toxic Substances Control Act)

SSTS ICIS PADS MLTS RADINFO FINDS RAATS UIC DRYCLEANERS MO RRC NPDES AIRS INDIAN RESERV SCRD DRYCLEANERS	<ul> <li>Integrated Compliance Information System</li> <li>PCB Activity Database System</li> <li>Material Licensing Tracking System</li> <li>Radiation Information Database</li> <li>Facility Index System/Facility Registry System</li> <li>RCRA Administrative Action Tracking System</li> <li>Underground Injection Wells Database</li> <li>Drycleaners in Missouri Listing</li> <li>Certified Hazardous Waste Resource Recovery Facilities</li> <li>Permitted Facility Listing</li> <li>Indian Reservations</li> <li>State Coalition for Remediation of Drycleaners Listing</li> </ul>
COAL ASH	
	-

#### EDR PROPRIETARY RECORDS

#### EDR Proprietary Records

Manufactured Gas Plants\_\_\_\_\_ EDR Proprietary Manufactured Gas Plants

#### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

#### STANDARD ENVIRONMENTAL RECORDS

#### State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tanks.

A review of the LUST list, as provided by EDR, and dated 09/23/2009 has revealed that there is 1 LUST site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SPRINGFIELD REMANUFACTURING CO	650 N BROADVIEW PL	SSW 1/4 - 1/2 (0.315 mi.)	1	7

#### State and tribal voluntary cleanup sites

VCP: Voluntary Cleanup Program Site Listing.

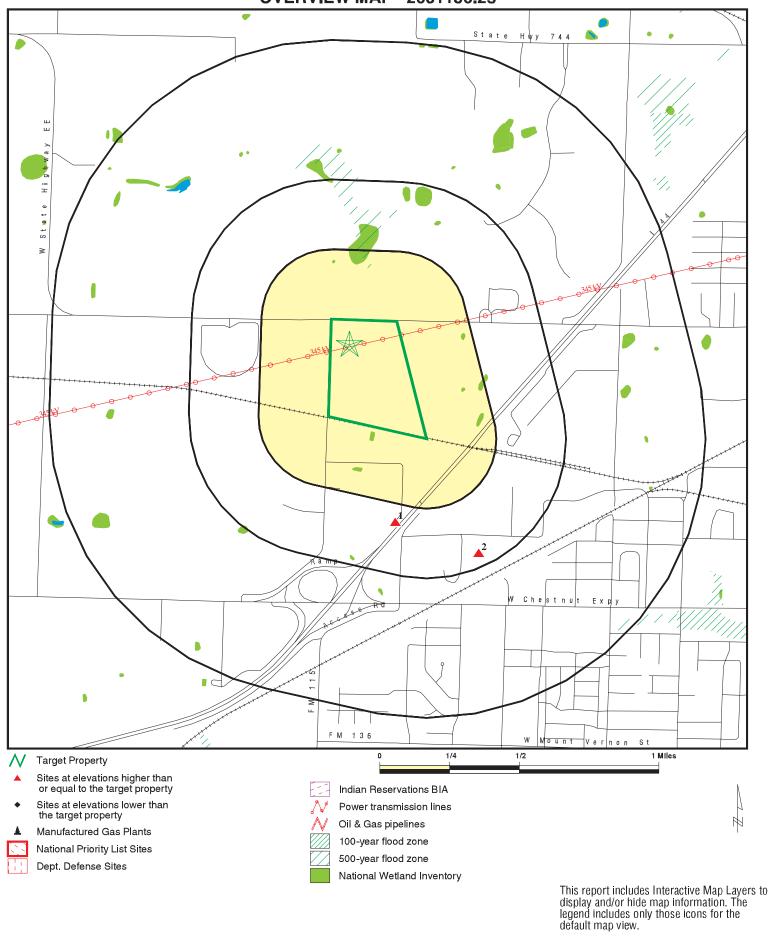
A review of the VCP list, as provided by EDR, and dated 09/23/2009 has revealed that there is 1 VCP site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LEGGETT & PLATT INCSPRINGFIE	4654 WEST FARM ROAD 130	SSE 1/4 - 1/2 (0.449 mi.)	2	20

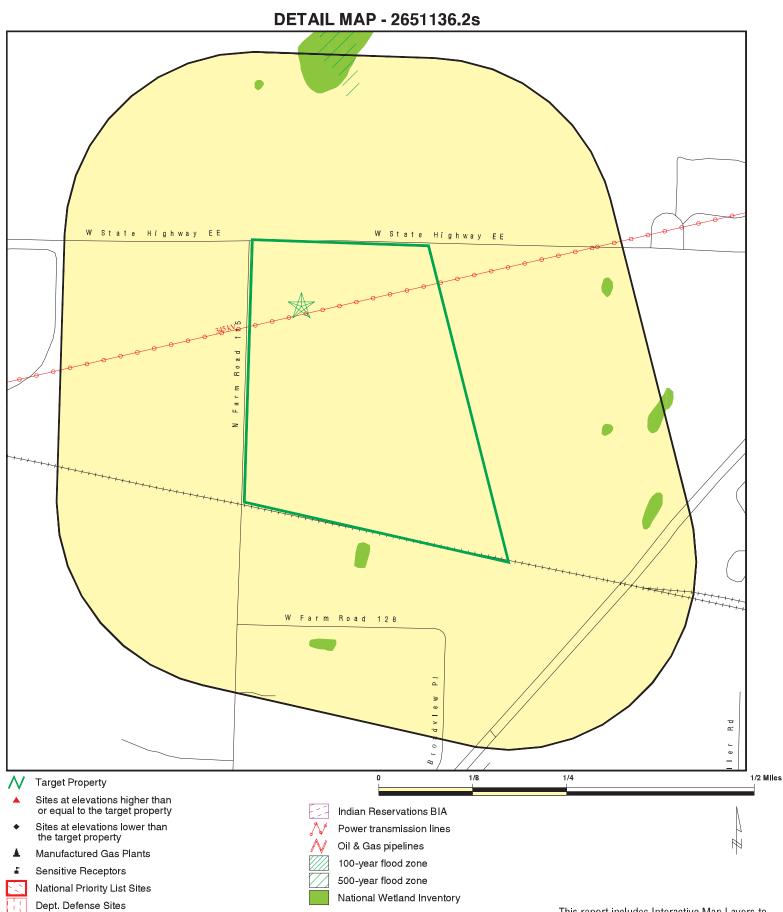
Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
TORNADO CLEANERS	DRYCLEANERS
BRIGHT'S COUNTRY DRY CLEANERS	DRYCLEANERS
736 NW BYP 66	CORRACTS, CERC-NFRAP, FINDS,
	RCRA-LQG, TRIS, RCRA-TSDF, UST
FULBRIGHT LANDFILL	SHWS
FULBRIGHT LANDFILL	SHWS
HILL PLATING INC.	CERCLIS
OFF OF BRANCH 65 & DIVISION ST	CERCLIS
HWY 125 & YY	CERC-NFRAP
HWY 60 FF RD W	CERC-NFRAP
2 MI. WEST OF ALVORD NEAR HWY 81-2	SPILLS
SPRINGFIELD SANITARY LANDFILL	HIST LF, SWF/LF
CROSSROADS CONVENIENCE STORE	LUST
FORMER GAS STATION	LUST, UST
COASTAL MART	LUST, UST
CONVENIENCE PLUS TOTAL	LUST
RODEYS TEXACO	UST
MID MISSOURI MOTORSPORTS	UST
THE GENERAL STORE	UST
REX SMITH SERVICE	AST
REX SMITH OIL	AST
CONVENIENCE PLUS STORE	AST
CROSSROADS CONVENIENCE STORE	AST
KAD-E-KORNER	AST
JUMP STOP #309	AST
MONTGOMERY METAL CRAFT INC	RCRA-SQG
OWENS RD & FARM RD 86	RCRA-SQG, FINDS
RT 6	RCRA-NonGen, FINDS
E DIVISION & HWY 65	RCRA-NonGen
3251 N FARM RD	RCRA-NonGen
2243 W FARM RD	RCRA-NonGen
W HWY 266 & FARM RD 97	RCRA-NonGen
1687 S HWY N	RCRA-NonGen
2238 N FARM RD	RCRA-CESQG
SAIA INC	RCRA-CESQG
5000 WEST KARNEY	ERNS
WEST PLAINS VETERINARY SUPPLY	FINDS
518 WEST PACIFIC	US CDL

**OVERVIEW MAP - 2651136.2s** 



SITE NAME: PIC West	CLIENT: Midwest Environmental
ADDRESS: Division/Haseltine Road	CONTACT: Tommy Bieker
Springfield MO 65802	INQUIRY #: 2651136.2s
LAT/LONG: 37.2261 / 93.3840	DATE: December 03, 2009 1:10 pm
LAT/LONG: 37.2261 / 93.3840	DATE: December 03, 2009 1:10 pm



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

SITE NAME:	PIC West	CLIENT:	Midwest Environmental
ADDRESS:	Division/Haseltine Road	CONTACT:	Tommy Bieker
	Springfield MO 65802	INQUIRY #:	2651136.2s
LAT/LONG:	37.2261/93.3840	DATE:	December 03, 2009 1:10 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		
STANDARD ENVIRONMENTAL RECORDS										
Federal NPL site list										
NPL Proposed NPL NPL LIENS		1.000 1.000 TP	0 0 NR	0 0 NR	0 0 NR	0 0 NR	NR NR NR	0 0 0		
Federal Delisted NPL sit	e list									
Delisted NPL		1.000	0	0	0	0	NR	0		
Federal CERCLIS list										
CERCLIS		0.500	0	0	0	NR	NR	0		
Federal CERCLIS NFRA	P site List									
CERC-NFRAP		0.500	0	0	0	NR	NR	0		
Federal RCRA CORRAC	TS facilities li	st								
CORRACTS		1.000	0	0	0	0	NR	0		
Federal RCRA non-COR	RACTS TSD f	acilities list								
RCRA-TSDF		0.500	0	0	0	NR	NR	0		
Federal RCRA generator	rs list									
RCRA-LQG RCRA-SQG RCRA-CESQG		0.250 0.250 0.250	0 0 0	0 0 0	NR NR NR	NR NR NR	NR NR NR	0 0 0		
Federal institutional con engineering controls reg										
US ENG CONTROLS US INST CONTROL		0.500 0.500	0 0	0 0	0 0	NR NR	NR NR	0 0		
Federal ERNS list										
ERNS		TP	NR	NR	NR	NR	NR	0		
State- and tribal - equiva	alent CERCLIS	5								
SHWS		1.000	0	0	0	0	NR	0		
State and tribal landfill a solid waste disposal site										
SWF/LF		0.500	0	0	0	NR	NR	0		
State and tribal leaking	storage tank l	ists								
LUST LAST INDIAN LUST		0.500 0.500 0.500	0 0 0	0 0 0	1 0 0	NR NR NR	NR NR NR	1 0 0		
State and tribal registere	ed storage tar	nk lists								
UST		0.250	0	0	NR	NR	NR	0		

### **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
AST INDIAN UST		0.250 0.250	0 0	0 0	NR NR	NR NR	NR NR	0 0
State and tribal voluntar	y cleanup sit	es						
VCP INDIAN VCP		0.500 0.500	0 0	0 0	1 0	NR NR	NR NR	1 0
State and tribal Brownfie	elds sites							
BROWNFIELDS		0.500	0	0	0	NR	NR	0
	ITAL RECORD	s						
Local Brownfield lists								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
Local Lists of Landfill / S Waste Disposal Sites	Solid							
ODI DEBRIS REGION 9 HIST LF INDIAN ODI		0.500 0.500 0.500 0.500	0 0 0 0	0 0 0 0	0 0 0 0	NR NR NR NR	NR NR NR NR	0 0 0 0
Local Lists of Hazardou Contaminated Sites	s waste /							
US CDL DEL SHWS CDL US HIST CDL		TP 1.000 TP TP	NR 0 NR NR	NR 0 NR NR	NR 0 NR NR	NR 0 NR NR	NR NR NR NR	0 0 0 0
Local Land Records								
LIENS 2 LUCIS		TP 0.500	NR 0	NR 0	NR 0	NR NR	NR NR	0 0
Records of Emergency	Release Repo	orts						
HMIRS SPILLS		TP TP	NR NR	NR NR	NR NR	NR NR	NR NR	0 0
Other Ascertainable Rec	ords							
RCRA-NonGen DOT OPS DOD FUDS CONSENT ROD UMTRA MINES TRIS TSCA FTTS HIST FTTS		0.250 TP 1.000 1.000 1.000 0.500 0.250 TP TP TP TP	0 NR 0 0 0 0 NR NR NR NR	0 NR 0 0 0 0 NR NR NR NR NR	NR NR 0 0 0 NR NR NR NR NR NR	NR 0 0 NR NR NR NR NR NR	NR NR NR NR NR NR NR NR NR NR	0 0 0 0 0 0 0 0 0 0 0 0 0

### **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
SSTS		TP	NR	NR	NR	NR	NR	0
ICIS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
RADINFO		TP	NR	NR	NR	NR	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
UIC		TP	NR	NR	NR	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
MO RRC		TP	NR	NR	NR	NR	NR	0
NPDES		TP	NR	NR	NR	NR	NR	0
AIRS		TP	NR	NR	NR	NR	NR	0
INDIAN RESERV		1.000	0	0	0	0	NR	0
SCRD DRYCLEANERS		0.500	0	0	0	NR	NR	0
COALASH		0.500	0	0	0	NR	NR	0
PCB TRANSFORMER		TP	NR	NR	NR	NR	NR	0
EDR PROPRIETARY RECOR	DS							
EDR Proprietary Records	5							
Manufactured Gas Plants		1.000	0	0	0	0	NR	0

#### NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

1 SSW 1/4-1/2 0.315 mi. 1661 ft.	SPRINGFIELD REMANUFACTUR 650 N BROADVIEW PL SPRINGFIELD, MO 65802	ING CORP	RCRA-LQG FINDS LUST UST	1000257326 MOD000610634
Relative:	RCRA-LQG:			
Higher	Date form received by agenc	y:01/16/2007		
A	Facility name:	SPRINGFIELD REMANUFACTURING CORP		
Actual: 1308 ft.	Facility address:	650 N BROADVIEW PL		
1000 11.	EPA ID:	SPRINGFIELD, MO 658025839 MOD000610634		
	Mailing address:	N BROADVIEW PL		
	maining address.	SPRINGFIELD, MO 65802		
	Contact:	DON E WOOD		
	Contact address:	N BROADVIEW PL		
		SPRINGFIELD, MO 658025839		
	Contact country:	US		
	Contact telephone:	(417) 864-0643		
	Telephone ext.: Contact email:	643 DWOOD@SRCREMAN.COM		
	EPA Region:	07		
	Land type:	Private		
	Classification:	Large Quantity Generator		
	Description:	Handler: generates 1,000 kg or more of hazardous waste	during any	
		calendar month; or generates more than 1 kg of acutely ha		
		during any calendar month; or generates more than 100 kg		
		residue or contaminated soil, waste or other debris resultir cleanup of a spill, into or on any land or water, of acutely h	-	
		waste during any calendar month; or generates 1 kg or les		
		hazardous waste during any calendar month, and accumu	•	1
		kg of acutely hazardous waste at any time; or generates 1		
		of any residue or contaminated soil, waste or other debris	-	
		from the cleanup of a spill, into or on any land or water, of	•	
		hazardous waste during any calendar month, and accumu 100 kg of that material at any time	lates more than	
		Too kg of that material at any time		
	Owner/Operator Summary:			
	Owner/operator name:	SPRINGFIELD REMANUFACTURING CORP		
	Owner/operator address:	N BROADVIEW		
	•	SPRINGFIELD, MO 65802		
	Owner/operator country:	US		
	Owner/operator telephone:	Not reported		
	Legal status:	Private		
	Owner/Operator Type: Owner/Op start date:	Owner 02/01/1983		
	Owner/Op end date:	Not reported		
	Owner/operator name:	SPRINGFIELD REMANUFACTURING CORP		
	Owner/operator address:	N BROADVIEW		
		SPRINGFIELD, MO 65802		
	Owner/operator country:	US Not reported		
	Owner/operator telephone: Legal status:	Not reported Private		
	Owner/Operator Type:	Operator		
	Owner/Op start date:	02/01/1983		
	Owner/Op end date:	Not reported		
	Owner/operator name:	SRC HOLDINGS INC		

#### MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

#### SPRINGFIELD REMANUFACTURING CORP (Continued)

			(••••••••
	•		/ISION NGFIELD, MO 65802
	Owner/operator country:	US	
			960 0007
	Owner/operator telephone:	• •	862-2337
	Legal status:	Priva	
	Owner/Operator Type:	Owne	er
	Owner/Op start date:	01/16	6/2007
	Owner/Op end date:	Not r	eported
	Owner/operator name:	SRC	HOLDINGS INC
	Owner/operator address:	E DI\	/ISION
		SPRI	NGFIELD, MO 65802
	Owner/operator country:	US	
	Owner/operator telephone:	(417)	862-2337
	Legal status:	Priva	
	Owner/Operator Type:	-	
		Oper	
	Owner/Op start date:		5/2007
	Owner/Op end date:	Not r	eported
Н	andler Activities Summary:		
	U.S. importer of hazardous wa	aste:	No
	Mixed waste (haz. and radioa	ctive):	No
	Recycler of hazardous waste:	,	No
	Transporter of hazardous was	ste:	No
	Treater, storer or disposer of l		No
	•		
	Underground injection activity	•	No
	On-site burner exemption:		No
	Furnace exemption:		No
	Used oil fuel burner:		No
	Used oil processor:		No
	User oil refiner:		No
	Used oil fuel marketer to burn	er:	No
	Used oil Specification markete	۹r.	No
	Used oil transfer facility:	51.	No
	Used oil transporter:		No
	Off-site waste receiver:		Commercial status unknown
	niu ana li Manta O		
U	niversal Waste Summary:	<b>.</b>	
	Waste type:	Batte	ries
	Accumulated waste on-site:	No	
	Generated waste on-site:	No	
	Waste type:	Lamr	
	Waste type: Lamp		
Accumulated waste on-site: No			
	Generated waste on-site:	No	
	Waste type:	Pesti	cides
	··· VI ·	•	

Accumulated waste on-site:	No
Generated waste on-site:	No
Waste type:	Thermostats
Accumulated waste on-site:	No
Generated waste on-site:	No

Historical Generators:

Date form received by agency: 02/16/2006

#### 1000257326

Facility name:

Classification:

Facility name:

Classification:

Facility name: Classification:

Facility name:

Classification:

Facility name: Site name:

Classification:

Waste code:

Waste name:

Waste name:

Hazardous Waste Summary:

Site name:

MAP FINDINGS

SPRINGFIELD REMANUFACTURING CORP (Continued) 1000257326 SPRINGFIELD REMANUFACTURING CORP Large Quantity Generator Date form received by agency: 06/07/2005 SPRINGFIELD REMANUFACTURING CORP Large Quantity Generator Date form received by agency: 09/22/1999 SPRINGFIELD REMANUFACTURING CORP Small Quantity Generator Date form received by agency: 02/24/1992 SPRINGFIELD REMANUFACTURING CORP SPRINGFIELD REMANUFACTURING, INC. Large Quantity Generator Date form received by agency: 04/26/1990 SPRINGFIELD REMANUFACTURING CORP SPRINGFIELD REMANUFACTURING, INC. Large Quantity Generator IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET. WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

Waste code: Waste name:	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.
Waste code: Waste name:	D008 LEAD
Waste code:	F003

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

D001

THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F005 THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL Waste name:

EDR ID Number

**EPA ID Number** 

Database(s)

Map ID	
Direction	
Distance	
Elevation	Site

MAP FINDINGS

EDR ID Number Database(s) EPA ID Number

		4000055000
SFRINGFIELD KEMANUFAC	CTURING CORP (Continued) KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZEN 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVE CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.	NT MIXTURES/BLENDS RE (BY VOLUME) OF OR THOSE SOLVENTS
Waste code: Waste name:	D001 IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH H LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A F CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFET WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DIST MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONI WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WA	PENSKY-MARTENS TERMINING THE Y DATA SHEET, RIBUTOR OF THE Y USED SOLVENT
Waste code: Waste name:	D002 A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIU CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUS OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATEE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS	JM HYDROXIDE, A TRIES TO CLEAN H A LOW PH, IS D PAINTING. WHEN D AND MUST BE
Waste code: Waste name:	D007 CHROMIUM	
Waste code: Waste name:	D008 LEAD	
Waste code: Waste name:	D039 TETRACHLOROETHYLENE	
Waste code: Waste name:	D040 TRICHLOROETHYLENE	
Waste code: Waste name:	F003 THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLE ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL I ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOL MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABO' NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIX CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOL MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F0 BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS MIXTURES.	KETONE, N-BUTYL VENT VE SPENT TURES/BLENDS I-HALOGENATED UME) OF ONE OR 005, AND STILL
Biennial Reports:		
Last Biennial Reporting Yea	ar: 2007	
Annual Waste Handled: Waste code: Waste name:	D001 IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH H	

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE

Distance Elevation	Site		Database(s)	EDR ID Number EPA ID Number
	SPRINGFIELD REMANUFACTURI	NG CORP (Continued)		1000257326
		FLASH POINT OF A WASTE IS TO REVIEW THE MATERI		
	Amount (Lbs):	WHICH CAN BE OBTAINED FROM THE MATERI MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A C WHICH WOULD BE CONSIDERED AS IGNITABLE HAZAF 1340	R OR DISTRIE COMMONLY U	BUTOR OF THE JSED SOLVENT
	Waste code:	D008		
	Waste name:	LEAD		
	Amount (Lbs):	920		
	Waste code:	D010		
	Waste name:	SELENIUM		
	Amount (Lbs):	1131		
	Waste code:	F003		
	Waste name:	THE FOLLOWING SPENT NON-HALOGENATED SOLVEN ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL IS ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SF MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY NON-HALOGENATED SOLVENTS; AND ALL SPENT SOL CONTAINING, BEFORE USE, ONE OR MORE OF THE AB SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE MORE OF THOSE SOLVENTS LISTED IN F001, F002, F00 BOTTOMS FROM THE RECOVERY OF THESE SPENT SO MIXTURES.	SOBUTYL KET PENT SOLVEI THE ABOVE VENT MIXTUF 30VE NON-HA E (BY VOLUM 04, AND F005,	TONE, N-BUTYL NT SPENT RES/BLENDS ALOGENATED E) OF ONE OR , AND STILL
	Amount (Lbs):	820		
	Waste code: Waste name:	F005 THE FOLLOWING SPENT NON-HALOGENATED SOLVEN KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPEN CONTAINING, BEFORE USE, A TOTAL OF TEN PERCEN ONE OR MORE OF THE ABOVE NON-HALOGENATED SOL LISTED IN F001, F002, OR F004; AND STILL BOTTOMS F THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTU	E, BENZENE, NT SOLVENT T OR MORE ( OLVENTS OR ROM THE RE	MIXTURES/BLENDS BY VOLUME) OF THOSE SOLVENTS
	Amount (Lbs):	820		
	Facility Las Dessived Nations of	Vieletiener		
	Facility Has Received Notices of Regulation violated:	Not reported		
	Area of violation:	LDR - General		
	Date violation determined:	10/25/2006		
	Date achieved compliance:	11/09/2006		
	Violation lead agency:	EPA		
	Enforcement action:			
	Enforcement action date:	10/25/2006		
	Enf. disposition status:	Action Satisfied (Case Closed) 12/19/2006		
	Enf. disp. status date: Enforcement lead agency:	EPA		
	Proposed penalty amount:	Not reported		
	Final penalty amount:	Not reported		
	Paid penalty amount:	Not reported		
	Regulation violated:	Not reported		
	Area of violation:	TSD IS-Container Use and Management		
	Date violation determined:	10/25/2006		
	Data aphioved compliance:	11/00/2006		

Date achieved compliance:

11/09/2006

MAP FINDINGS

Map ID Direction

Distance

EDR ID Number

Database(s)

EDR ID Number EPA ID Number

#### SPRINGFIELD REMANUFACTURING CORP (Continued)

Violation lead agency: EPA WRITTEN INFORMAL Enforcement action: Enforcement action date: 10/25/2006 Action Satisfied (Case Closed) Enf. disposition status: Enf. disp. status date: 12/19/2006 Enforcement lead agency: EPA Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported Regulation violated: Not reported Generators - General Area of violation: Date violation determined: 10/25/2006 Date achieved compliance: 11/09/2006 Violation lead agency: EPA WRITTEN INFORMAL Enforcement action: Enforcement action date: 10/25/2006 Enf. disposition status: Action Satisfied (Case Closed) Enf. disp. status date: 12/19/2006 Enforcement lead agency: EPA Not reported Proposed penalty amount: Final penalty amount: Not reported Paid penalty amount: Not reported Regulation violated: Not reported Used Oil - Generators Area of violation: Date violation determined: 10/25/2006 Date achieved compliance: 11/09/2006 Violation lead agency: EPA WRITTEN INFORMAL Enforcement action: Enforcement action date: 10/25/2006 Enf. disposition status: Action Satisfied (Case Closed) Enf. disp. status date: 12/19/2006 Enforcement lead agency: EPA Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported Regulation violated: Not reported Area of violation: **TSD IS-General Facility Standards** Date violation determined: 10/25/2006 Date achieved compliance: 11/09/2006 Violation lead agency: EPA WRITTEN INFORMAL Enforcement action: Enforcement action date: 10/25/2006 Enf. disposition status: Action Satisfied (Case Closed) Enf. disp. status date: 12/19/2006 Enforcement lead agency: EPA Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported Regulation violated: Not reported TSD IS-Contingency Plan and Emergency Procedures Area of violation: Date violation determined: 10/25/2006 11/09/2006 Date achieved compliance: EPA Violation lead agency:

### 1000257326

Database(s)

EDR ID Number **EPA ID Number** 

#### SPRINGFIELD REMANUFACTURING CORP (Continued)

Enforcement action:

Enf. disposition status:

Enf. disp. status date:

Final penalty amount:

Paid penalty amount:

WRITTEN INFORMAL Enforcement action date: 10/25/2006 Action Satisfied (Case Closed) 12/19/2006 Enforcement lead agency: EPA Proposed penalty amount: Not reported Not reported

Not reported

Regulation violated: Not reported Area of violation: Generators - Pre-transport 10/25/2006 Date violation determined: Date achieved compliance: 11/09/2006 Violation lead agency: EPA Enforcement action: WRITTEN INFORMAL Enforcement action date: 10/25/2006 Action Satisfied (Case Closed) Enf. disposition status: Enf. disp. status date: 12/19/2006 Enforcement lead agency: EPA Proposed penalty amount: Not reported Final penalty amount: Paid penalty amount: Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action:

Enforcement action date: Enf. disposition status:

Enf. disp. status date:

Final penalty amount:

Paid penalty amount:

Not reported Not reported Not reported Generators - Manifest 07/28/1998 08/21/1998 State WRITTEN INFORMAL 08/03/1998 Not reported Not reported Enforcement lead agency: State Proposed penalty amount: Not reported Not reported Not reported

Regulation violated: Not reported Area of violation: Generators - Pre-transport Date violation determined: 07/28/1998 08/21/1998 Date achieved compliance: Violation lead agency: State Enforcement action: WRITTEN INFORMAL Enforcement action date: 08/03/1998 Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State Proposed penalty amount: Not reported Final penalty amount: Not reported Not reported Paid penalty amount: Regulation violated: Not reported Area of violation: Generators - Pre-transport

Date violation determined: 07/28/1998 Date achieved compliance: 09/30/1998 Violation lead agency: State Enforcement action: WRITTEN INFORMAL

## 1000257326

Database(s)

EDR ID Number EPA ID Number

1000257326

Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	08/03/1998 Not reported State Not reported Not reported Not reported
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	Not reported Generators - General 01/29/1987 03/18/1987 State WRITTEN INFORMAL 02/18/1987 Not reported Not reported State Not reported Not reported Not reported Not reported Not reported
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	Not reported Generators - General 01/29/1987 02/26/1987 State WRITTEN INFORMAL 02/02/1987 Not reported Not reported State Not reported Not reported Not reported Not reported Not reported
Evaluation Action Summary: Evaluation date: Evaluation: Area of violation: Date achieved compliance: Evaluation lead agency:	10/25/2006 COMPLIANCE EVALUATION INSPECTION ON-SITE Generators - General 11/09/2006 EPA
Evaluation date: Evaluation: Area of violation: Date achieved compliance: Evaluation lead agency:	10/25/2006 COMPLIANCE EVALUATION INSPECTION ON-SITE TSD IS-General Facility Standards 11/09/2006 EPA
Evaluation date: Evaluation: Area of violation: Date achieved compliance: Evaluation lead agency:	10/25/2006 COMPLIANCE EVALUATION INSPECTION ON-SITE LDR - General 11/09/2006 EPA
Evaluation date: Evaluation:	10/25/2006 COMPLIANCE EVALUATION INSPECTION ON-SITE

## SPRINGFIELD REMANUFACTURING CORP (Continued)

Database(s)

EDR ID Number EPA ID Number

1000257326

#### SPRINGFIELD REMANUFACTURING CORP (Continued)

Area of violation: Generators - Pre-transport Date achieved compliance: 11/09/2006 Evaluation lead agency: EPA Evaluation date: 10/25/2006 COMPLIANCE EVALUATION INSPECTION ON-SITE Evaluation: Area of violation: Used Oil - Generators Date achieved compliance: 11/09/2006 Evaluation lead agency: EPA Evaluation date: 10/25/2006 COMPLIANCE EVALUATION INSPECTION ON-SITE Evaluation: Area of violation: **TSD IS-Container Use and Management** Date achieved compliance: 11/09/2006 Evaluation lead agency: EPA Evaluation date: 10/25/2006 COMPLIANCE EVALUATION INSPECTION ON-SITE Evaluation: Area of violation: TSD IS-Contingency Plan and Emergency Procedures Date achieved compliance: 11/09/2006 EPA Evaluation lead agency: Evaluation date: 07/28/1998 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE Area of violation: Generators - Manifest Date achieved compliance: 08/21/1998 Evaluation lead agency: State Evaluation date: 07/28/1998 COMPLIANCE EVALUATION INSPECTION ON-SITE Evaluation: Area of violation: Generators - Pre-transport Date achieved compliance: 09/30/1998 Evaluation lead agency: State Evaluation date: 07/28/1998 COMPLIANCE EVALUATION INSPECTION ON-SITE Evaluation: Generators - Pre-transport Area of violation: Date achieved compliance: 08/21/1998 Evaluation lead agency: State Evaluation date: 01/29/1987 COMPLIANCE EVALUATION INSPECTION ON-SITE Evaluation: Area of violation: Generators - General Date achieved compliance: 02/26/1987 Evaluation lead agency: State Evaluation date: 01/29/1987 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE Area of violation: Generators - General 03/18/1987 Date achieved compliance: Evaluation lead agency: State FINDS: 110017978580 Registry ID: Environmental Interest/Information System

AFS (Aerometric Information Retrieval System (AIRS) Facility

EDR ID Number Database(s) EPA ID Number

#### SPRINGFIELD REMANUFACTURING CORP (Continued)

Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

The MO-DNR (Missouri Department of Natural Resources) program involves a Resource Assessment and Monitoring Program, biological criteria development, monitoring of targeted sites to determine compliance with the designated use of aquatic life protection in the standards, monitoring for 303(3) purposes, and the development of a stream classification framework.

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

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

PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

### LUST: Facility ID: Region: Spill Number: Release Date: Release Type: Source: Media Affected: Date Cleanup Started: Date Cleanup Finished: Expedite: Active: Date Of NFA Letter From DNR: Date Record Meets Archive Criteria: Remediation ID:

ST0006533 SW - Southwest Regional Office Not reported 03/08/1990 UNDERGROUND STORAGE TANK Not reported 02/26/1990 07/02/1990 No No **Not reported** Not reported R001627

### 1000257326

Database(s)

EDR ID Number **EPA ID Number** 

#### SPRINGFIELD REMANUFACTURING CORP (Continued)

Funding Agency: 1 Rank: Not reported Emergeny Response Date: Not reported Emergency Cleanup Start: Not reported Referred To DGLS for Investigation: Not reported Contractor Performing Clean Up: Not reported Remediation Techniques: Excavation, Other RBCA NFA: 0 Project Manager: L Next Correspondence/Update With Fac: Not reported 06/30/1995 Date Added: Date Record Edited: Not reported Person Adding Or Editing Record: Not reported Facility Sent To State Archive: Yes Date Remediation Unit Closed The File: Not reported Site Affectd By Funding Level From PSTIF: No Lust 2a Flag: -1 Lust 2a Flag Date: 09/30/2003 Lust 2b Flag: -1 Lust 2b Flag Date: 09/30/2008 Lust 3a Flag: -1 Lust 3a Flag Date: 09/30/2003 Lust 3b Flag: -1 Lust 3b Flag Date: 09/30/2008 Lust 4 Flag: 0 Lust 4 Flag Date: Not reported Lat/Long (dms): Not reported General Comments: Not reported

## UST:

	Facility ID:	ST0006533	
	Region:	SW	
	Lat/Long:		37.20375 / -93.31505
	Lat/Long (dms):		Not reported
	Easting:		Not reported
	Northing:		Not reported
	Method Data Was Obtai	ned:	Zip Code Centroid
	Accuracy Of Geospatial	Data:	8
	Owner Of Geospatial Da	ata:	Hazardous Waste Program
	Amount Of Deviation In	Accuracy:	Not reported
Deviation In Meters; Feet; Pdop; Score:			Not reported
Geospatial Point Line Area Indicator:			Not reported
Geospatial Horizontal Reference Datum:			Not reported
Where Geospatial Data Collected On Site:			Not reported
Geospatial Source Data Location:			Not reported
Geospatial Data Collected By:			Not reported
Geospatial Elevation Method:			Not reported
Geospatial Elevation Refernce Datum:			Not reported
	Date Gis Data Collected	l:	Not reported
)	wner:		
	Owner ID:	OW02685	
	- ··		

## O١

Owner ID:	OW02685
Owner Name:	SPRINGFIELD REMANUFACTURING CORP
Owner Address:	4860 W MAPLE
Owner City,St,Zip:	SPRINGFIELD, MO 65802
Owner County Code:	Not reported
Owner Phone:	8653501

## 1000257326

Database(s)

EDR ID Number EPA ID Number

1000257326

Mail Was Not Deliverabl	e:	No
Is Owner Active?:	Yes	
Date Registration Recei		Not reported
Date Record Added:	6/30/1995	
Date Record Edited:	Not reported	
Name of Person Editing	Record:	Not reported
Tank ID:	1	
Tank Double Wall:	0	
Tank Type:	Below Ground	
Tank Status:	Removed	
Meet 98 Update Require		No
Date Tank Installed:	Not reported	
Tank Material:	Steel	
Other Type Of Tank Mat		Not reported
Tank Internal Protection		Not reported
Other Tank Internal Prot		Not reported
Tank Internal Protection		Not reported
Tank External Protection		None
Other Type Tank Extrn I		Not reported
Tank External Protec Da	ate:	Not reported
Date Tank Last Used:	o	7/2/1990
Date Tank Permanently	Closed/ Removed:	
Tank Fees Waived:		No
Expedite Closure On Ta		No
Responsible Person Exp	-	Not reported
Temporary Status Verifie	ed Date:	Not reported
Admin Fee 585:	!·	Not reported
Date Administratively CI	osed:	Not reported 0
Registration Fee 586: Date Record Added:		6/30/1995
Date Record Edited:		
Person Adding/Editing R	Pecord.	Not reported Not reported
Amt Assessed By Curre		0
Amount Curently Due:	ni Cycle.	0
Date Of NFA Letter:		7/2/1990
Is Tank Used For Emerg	ency Generator	No
Date Closure Notice Re		1/18/1990
Date Of Aprroval Letter:		7/2/1990
Firm Closing Tank:		SUNBELT INDUSTRIAL SERV
Date Closure Report Re	ceived:	7/2/1990
Registration End Date:		Not reported
LockOut Flag:		No
Site Useage:		Not reported
Risk Type:		Not reported
Soil Type:		Not reported
GW Flow:		Not reported
Offsite Impact:		Not reported
Free Product:		Not reported
Drinking Water:		Not reported
Closed Under:		Not reported
No Drinking Wells:		0
Ũ		0
No Buildings:		
Vapor Barrier:		0
5		

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Database(s)

EDR ID Number EPA ID Number

## SPRINGFIELD REMANUFACTURING CORP (Continued)

Tank Compartment: Tank Compartment PK: 16453 Tank PK: 16453	No Excavation: Comments:	0 Not reported
Compartment No:1Compartment Status:RemovedCompartment Temp Verified Dt:Not reportedCapacity:10000Pipe Installation Dt:Not reportedPipe System:Not reportedPipe Material:1Pipe Material Other:Not reportedPipe Protection:Not reportedPipe Double Wall:0Substance:DieselSubstance:Not reportedMature:0Date of Last Use:7/2/1990Spill Protection:0	Tank Compartment I Tank PK: Compartment No: Compartment Status Compartment Temp Capacity: Pipe Installation Dt: Pipe System: Pipe Material Pipe Material Other: Pipe Protection Pipe Protection Dt: Pipe Protection Dt: Pipe Double Wall: Substance: Substance Other: Hazardous Substanc Case Number: Mixture: Date of Last Use: Spill Protection:	PK: 16453 16453 1 verified Dt: Not reported 10000 Not reported Not reported Not reported Not reported Not reported Not reported Not reported o Diesel Not reported o Diesel Not reported o 7/2/1990 0

Tank ID:	2	
Tank Double Wall:	0	
Tank Type:	Below Ground	
Tank Status:	Removed	
Meet 98 Update Requir	ements:	No
Date Tank Installed:	Not reported	
Tank Material:	Steel	
Other Type Of Tank Ma	terial:	Not reported
Tank Internal Protection	1:	Not reported
Other Tank Internal Pro	tection:	Not reported
Tank Internal Protection	Date:	Not reported
Tank External Protectio	n:	None
Other Type Tank Extrn	Protec:	Not reported
Tank External Protec D	ate:	Not reported
Date Tank Last Used:	7/2/1990	
Date Tank Permanently	7/2/1990	
Tank Fees Waived:	No	
Expedite Closure On Ta	No	
Responsible Person Ex	Not reported	
Temporary Status Verifi	ed Date:	Not reported
Admin Fee 585:		Not reported
Date Administratively C	losed:	Not reported
Registration Fee 586:		0
Date Record Added:	6/30/1995	
Date Record Edited:	Not reported	
Person Adding/Editing I		Not reported
Amt Assessed By Curre	ent Cycle:	0
Amount Curently Due:		0
Date Of NFA Letter:		7/2/1990
Is Tank Used For Emer	gency Generator:	No

## 1000257326

Database(s) EPA

EDR ID Number EPA ID Number

## SPRINGFIELD REMANUFACTURING CORP (Continued)

Date Closure Notice Received: 1/18/1990 Date Of Aprroval Letter: 7/2/1990 Firm Closing Tank: SUNBELT INDUSTRIAL SERV Date Closure Report Received: 7/2/1990 Registration End Date: Not reported LockOut Flag: No Site Useage: Not reported Risk Type: Not reported Soil Type: Not reported GW Flow: Not reported Offsite Impact: Not reported Free Product: Not reported Not reported Drinking Water: Closed Under: Not reported No Drinking Wells: 0 No Buildings: 0 Vapor Barrier: 0 St Louis Mo: 0 Special Well Area: 0 No Excavation: 0 Comments: Not reported Tank Compartment: Tank Compartment PK: 16454 Tank PK: 16454 Compartment No: 1 Compartment Status: Removed Compartment Temp Verified Dt: Not reported Capacity: 8000 Pipe Installation Dt: Not reported Not reported Pipe System: Pipe Material: 1 Pipe Material Other: Not reported Pipe Protection: Not reported Pipe Protection Dt: Not reported Pipe Double Wall: 0 Other Substance: Substance Other: P.NEW OIL Hazardous Substance: Not reported Case Number: Not reported Mixture: 0 Date of Last Use: 7/2/1990 Spill Protection: 0 Tanks Use: 0

## 2 LEGGETT & PLATT INC.-SPRINGFIELD PLANT SSE 4654 WEST FARM ROAD 130 1/4-1/2 SPRINGFIELD, MO 65802 0.449 mi. 2373 ft.

Relative:	VCP.	
Higher	Facility Status:	Cert. of Completion Issued
-	Activity Use:	Deed Notice
Actual:	Manager:	Christine O'Keefe
1291 ft.	Cert. of completion issued:	3/24/2004
	Application Received:	1/29/2001

# 1000257326

VCP 1000234416 N/A

Database(s)

EDR ID Number EPA ID Number

## LEGGETT & PLATT INC.-SPRINGFIELD PLANT (Continued)

State Funded: Federal Funded: Acreage: Northing: Easting: Operable Unit: Site Description: Contaminant: Not reported Not reported 0.5 4118787.59045 466601.20426000003 Leggett & Platt Inc.-Springfield Plant Not reported BTEX,VOCs

## 1000234416

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
GREENE COUNTY	S106614778	SPRINGFIELD SANITARY LANDFILL	3545 W. FR 34		HIST LF, SWF/LF
MANSFIELD	U001160154	RODEYS TEXACO	OLD HWY 60	65803	UST
SPRINGFIELD	1003876731		HWY 125 & YY	65802	CERC-NFRAP
SPRINGFIELD	S105858750	FULBRIGHT LANDFILL	HWY 13	65802	SHWS
SPRINGFIELD	S106513838	CROSSROADS CONVENIENCE STORE	HWY 13 & O	65802	LUST
SPRINGFIELD	S106988113	2 MI. WEST OF ALVORD NEAR HWY 81-2	2 MI 287 W	65802	SPILLS
SPRINGFIELD	1000150151		RT 6	65803	RCRA-NonGen, FINDS
SPRINGFIELD	A100260699	REX SMITH SERVICE	RT 6	65803	AST
SPRINGFIELD	A100190875	REX SMITH OIL	RT 6	65803	AST
SPRINGFIELD	1003876856		HWY 60 FF RD W		CERC-NFRAP
SPRINGFIELD	A100192971	CONVENIENCE PLUS STORE	HWY AB & EE	65802	AST
SPRINGFIELD	S103924880	FULBRIGHT LANDFILL	BOLIVER RD	65802	SHWS
SPRINGFIELD	1000224216		736 NW BYP 66	65802	CORRACTS, CERC-NFRAP, FINDS,
					RCRA-LQG, TRIS, RCRA-TSDF, UST
SPRINGFIELD	U003980687	FORMER GAS STATION	NE CORNER OF FARM ROADS 151 &	65803	LUST, UST
SPRINGFIELD	1007108522		E DIVISION & HWY 65	65802	RCRA-NonGen
SPRINGFIELD	1007110012		3251 N FARM RD	65803	RCRA-NonGen
SPRINGFIELD	1007107458		2243 W FARM RD	65803	RCRA-NonGen
SPRINGFIELD	1007110294		2238 N FARM RD	65802	RCRA-CESQG
SPRINGFIELD	1010564964	MONTGOMERY METAL CRAFT INC	3925 N FARM RD	65803	RCRA-SQG
SPRINGFIELD	S106877815	TORNADO CLEANERS	4325 N FARM RD	65803	DRYCLEANERS
SPRINGFIELD	1010322919	SAIA INC	4771 W FARM RD	65802	RCRA-CESQG
SPRINGFIELD	1011487892	HILL PLATING INC.	1547 E FLORIDA ST	65803	CERCLIS
SPRINGFIELD	1007108204		W HWY 266 & FARM RD 97	65803	RCRA-NonGen
SPRINGFIELD	1007108402		1687 S HWY N	65802	RCRA-NonGen
SPRINGFIELD	U003980553	COASTAL MART	W HWY 266		LUST, UST
SPRINGFIELD	A100204893	CROSSROADS CONVENIENCE STORE	2785 W HWY O	65803	AST
SPRINGFIELD	2007314194	5000 WEST KARNEY	5000 W KARNEY	65803	ERNS
SPRINGFIELD	1007490823		OFF OF BRANCH 65 & DIVISION ST		CERCLIS
SPRINGFIELD	A100190900	KAD-E-KORNER	OLD HWY 65 N OF JCT	65803	AST
SPRINGFIELD	U004136902	MID MISSOURI MOTORSPORTS	HWY OO & MULROY RD	65803	UST
SPRINGFIELD	1000692338		OWENS RD & FARM RD 86		RCRA-SQG, FINDS
SPRINGFIELD	1011856842	518 WEST PACIFIC	518 W PACIFIC ST	65803	US CDL
SPRINGFIELD	U003980193	THE GENERAL STORE	7325 E STATE HIGHWAY YY	65802	UST
SPRINGFIELD		BRIGHT'S COUNTRY DRY CLEANERS	3773 N STATE HIGHWAY H		DRYCLEANERS
SPRINGFIELD	S106513837	CONVENIENCE PLUS TOTAL	7043 W STATE HIGHWAY EE		LUST
SPRINGFIELD	A100343589		1687 S STATE HWY N	65802	
SPRINGFIELD		WEST PLAINS VETERINARY SUPPLY	614 WASHINGTON		FINDS

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

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

### STANDARD ENVIRONMENTAL RECORDS

#### Federal NPL site list

#### NPL: National Priority List

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

Date of Government Version: 10/01/2009 Date Data Arrived at EDR: 10/14/2009 Date Made Active in Reports: 11/09/2009 Number of Days to Update: 26 Source: EPA Telephone: N/A Last EDR Contact: 11/13/2009 Next Scheduled EDR Contact: 01/25/2010 Data Release Frequency: Quarterly

**NPL Site Boundaries** 

Sources:

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

EPA Region 1 Telephone 617-918-1143

EPA Region 3 Telephone 215-814-5418

EPA Region 4 Telephone 404-562-8033

EPA Region 5 Telephone 312-886-6686

EPA Region 10 Telephone 206-553-8665

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

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

EPA Region 6

EPA Region 7

EPA Region 8

**EPA Region 9** 

Telephone: 214-655-6659

Telephone: 913-551-7247

Telephone: 303-312-6774

Telephone: 415-947-4246

Date of Government Version: 10/01/2009 Date Data Arrived at EDR: 10/14/2009 Date Made Active in Reports: 11/09/2009 Number of Days to Update: 26

Source: EPA Telephone: N/A Last EDR Contact: 11/13/2009 Next Scheduled EDR Contact: 01/25/2010 Data Release Frequency: Quarterly

#### NPL LIENS: Federal Superfund Liens

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

Date of Government Version: 10/15/1991 Date Data Arrived at EDR: 02/02/1994 Date Made Active in Reports: 03/30/1994 Number of Days to Update: 56 Source: EPA Telephone: 202-564-4267 Last EDR Contact: 08/17/2009 Next Scheduled EDR Contact: 11/16/2009 Data Release Frequency: No Update Planned

#### Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

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

Date of Government Version: 10/01/2009 Date Data Arrived at EDR: 10/14/2009 Date Made Active in Reports: 11/09/2009 Number of Days to Update: 26

Source: EPA Telephone: N/A Last EDR Contact: 11/13/2009 Next Scheduled EDR Contact: 01/25/2010 Data Release Frequency: Quarterly

#### Federal CERCLIS list

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

Date of Government Version: 06/30/2009 Date Data Arrived at EDR: 08/11/2009 Date Made Active in Reports: 09/21/2009 Number of Days to Update: 41

Source: EPA Telephone: 703-412-9810 Last EDR Contact: 11/23/2009 Next Scheduled EDR Contact: 01/11/2010 Data Release Frequency: Quarterly

#### Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

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

Date of Government Version: 06/23/2009 Date Data Arrived at EDR: 09/02/2009 Date Made Active in Reports: 09/21/2009 Number of Days to Update: 19

Source: EPA Telephone: 703-412-9810 Last EDR Contact: 11/24/2009 Next Scheduled EDR Contact: 03/15/2010 Data Release Frequency: Quarterly

#### Federal RCRA CORRACTS facilities list

#### CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 09/15/2009	Source: EPA
Date Data Arrived at EDR: 09/22/2009	Telephone: 800-424-9346
Date Made Active in Reports: 11/09/2009	Last EDR Contact: 11/16/2009
Number of Days to Update: 48	Next Scheduled EDR Contact: 03/01/2010
	Data Release Frequency: Quarterly

#### Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Transporters, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 11/12/2008 Date Data Arrived at EDR: 11/18/2008 Date Made Active in Reports: 03/16/2009 Number of Days to Update: 118 Source: Environmental Protection Agency Telephone: 913-551-7003 Last EDR Contact: 11/18/2009 Next Scheduled EDR Contact: 01/18/2010 Data Release Frequency: Quarterly

## Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 11/12/2008Source: EnviDate Data Arrived at EDR: 11/18/2008Telephone: 9Date Made Active in Reports: 03/16/2009Last EDR CoNumber of Days to Update: 118Next Schedul

Source: Environmental Protection Agency Telephone: 913-551-7003 Last EDR Contact: 11/18/2009 Next Scheduled EDR Contact: 01/18/2010 Data Release Frequency: Quarterly

## RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 11/12/2008 Date Data Arrived at EDR: 11/18/2008 Date Made Active in Reports: 03/16/2009 Number of Days to Update: 118 Source: Environmental Protection Agency Telephone: 913-551-7003 Last EDR Contact: 11/18/2009 Next Scheduled EDR Contact: 01/18/2010 Data Release Frequency: Quarterly

### RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

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

Date of Government Version: 11/12/2008 Date Data Arrived at EDR: 11/18/2008 Date Made Active in Reports: 03/16/2009 Number of Days to Update: 118 Source: Environmental Protection Agency Telephone: 913-551-7003 Last EDR Contact: 11/18/2009 Next Scheduled EDR Contact: 01/18/2010 Data Release Frequency: Varies

#### Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 10/01/2009 Date Data Arrived at EDR: 10/09/2009 Date Made Active in Reports: 11/09/2009 Number of Days to Update: 31 Source: Environmental Protection Agency Telephone: 703-603-0695 Last EDR Contact: 09/18/2009 Next Scheduled EDR Contact: 12/28/2009 Data Release Frequency: Varies

#### US INST CONTROL: Sites with Institutional Controls

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

Date of Government Version: 10/01/2009	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/09/2009	Telephone: 703-603-0695
Date Made Active in Reports: 11/09/2009	Last EDR Contact: 09/18/2009
Number of Days to Update: 31	Next Scheduled EDR Contact: 12/28/2009
	Data Release Frequency: Varies

#### Federal ERNS list

ERNS: Emergency Response Notification System

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

Date of Government Version: 08/31/2009 Source: National Response Center, United States Coast Guard Date Data Arrived at EDR: 09/17/2009 Telephone: 202-267-2180 Date Made Active in Reports: 11/09/2009 Last EDR Contact: 10/06/2009 Next Scheduled EDR Contact: 01/18/2010 Number of Days to Update: 53 Data Release Frequency: Annually

#### State- and tribal - equivalent CERCLIS

#### HWS DETAIL: Registry Annual Report

Each site is described in detail in this annual report and includeds the following information: a general description of the site: a summary of any significant environmental problems at and near the site: a summary of any serious health problems in the immediate vicinity of the site; the status of any testing, monitoring or remedial actions in progress or recommended by the department.

Date of Government Version: 06/30/2008	Source: Department of Natural Resources
Date Data Arrived at EDR: 04/23/2009	Telephone: 573-751-3176
Date Made Active in Reports: 05/15/2009	Last EDR Contact: 09/18/2009
Number of Days to Update: 22	Next Scheduled EDR Contact: 07/02/5007
	Data Release Frequency: Annually

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

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

Date of Government Version: 09/18/2009	Source: Department of Natural Resources
Date Data Arrived at EDR: 09/21/2009	Telephone: 573-751-1990
Date Made Active in Reports: 10/09/2009	Last EDR Contact: 09/15/2009
Number of Days to Update: 18	Next Scheduled EDR Contact: 12/21/2009
· ·	Data Release Frequency: Quarterly

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

SWF/LF: Solid Waste Facility List

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

Date of Government Version: 10/05/2009 Date Data Arrived at EDR: 10/06/2009 Date Made Active in Reports: 10/23/2009 Number of Days to Update: 17

Source: Department of Natural Resources Telephone: 573-751-5401 Last EDR Contact: 10/05/2009 Next Scheduled EDR Contact: 12/21/2009 Data Release Frequency: Quarterly

## State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tanks

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

	Date of Government Version: 09/23/2009 Date Data Arrived at EDR: 09/25/2009 Date Made Active in Reports: 10/09/2009 Number of Days to Update: 14	Source: Department of Natural Resources Telephone: 573-751-0135 Last EDR Contact: 09/25/2009 Next Scheduled EDR Contact: 01/04/2010 Data Release Frequency: Semi-Annually
	LAST: Leaking Aboveground Storage Tanks A listing of leaking aboveground storage tanks.	
	Date of Government Version: 09/23/2009 Date Data Arrived at EDR: 09/25/2009 Date Made Active in Reports: 10/09/2009 Number of Days to Update: 14	Source: Department of Natural Resources Telephone: 573-751-6822 Last EDR Contact: 09/25/2009 Next Scheduled EDR Contact: 01/04/2010 Data Release Frequency: Quarterly
	INDIAN LUST R1: Leaking Underground Storage Ta A listing of leaking underground storage tank lo	
	Date of Government Version: 02/19/2009 Date Data Arrived at EDR: 02/19/2009 Date Made Active in Reports: 03/16/2009 Number of Days to Update: 25	Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 10/30/2009 Next Scheduled EDR Contact: 02/15/2010 Data Release Frequency: Varies
INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Iowa, Kansas, and Nebraska		
	Date of Government Version: 03/24/2009 Date Data Arrived at EDR: 05/20/2009 Date Made Active in Reports: 06/17/2009 Number of Days to Update: 28	Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 11/04/2009 Next Scheduled EDR Contact: 02/15/2010 Data Release Frequency: Varies
	INDIAN LUST R4: Leaking Underground Storage Ta LUSTs on Indian land in Florida, Mississippi ar	
	Date of Government Version: 08/20/2009 Date Data Arrived at EDR: 08/26/2009 Date Made Active in Reports: 10/22/2009 Number of Days to Update: 57	Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 10/30/2009 Next Scheduled EDR Contact: 02/15/2010 Data Release Frequency: Semi-Annually
INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Arizona, California, New Mexico and Nevada		
	Date of Government Version: 08/21/2009 Date Data Arrived at EDR: 10/06/2009 Date Made Active in Reports: 10/22/2009 Number of Days to Update: 16	Source: Environmental Protection Agency Telephone: 415-972-3372 Last EDR Contact: 10/30/2009 Next Scheduled EDR Contact: 02/15/2010 Data Release Frequency: Quarterly
		Ford and the Ward and

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

	Date of Government Version: 08/20/2009 Date Data Arrived at EDR: 08/21/2009 Date Made Active in Reports: 09/21/2009 Number of Days to Update: 31	Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 10/30/2009 Next Scheduled EDR Contact: 02/15/2010 Data Release Frequency: Quarterly
INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.		
	Date of Government Version: 08/24/2009 Date Data Arrived at EDR: 09/10/2009 Date Made Active in Reports: 10/22/2009 Number of Days to Update: 42	Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 10/30/2009 Next Scheduled EDR Contact: 02/15/2010 Data Release Frequency: Quarterly
INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in New Mexico and Oklahoma.		
	Date of Government Version: 08/24/2009 Date Data Arrived at EDR: 08/26/2009 Date Made Active in Reports: 09/21/2009 Number of Days to Update: 26	Source: EPA Region 6 Telephone: 214-665-6597 Last EDR Contact: 10/30/2009 Next Scheduled EDR Contact: 02/15/2010 Data Release Frequency: Varies
	State and tribal registered storage tank lists	
	5 S S	's are regulated under Subtitle I of the Resource Conservation and Recovery tate department responsible for administering the UST program. Available
	Date of Government Version: 09/23/2009 Date Data Arrived at EDR: 09/25/2009 Date Made Active in Reports: 10/09/2009 Number of Days to Update: 14	Source: Department of Natural Resources Telephone: 573-751-0135 Last EDR Contact: 09/25/2009 Next Scheduled EDR Contact: 01/04/2010

AST: Aboveground Petroleum Storage Tanks Registered Aboveground Storage Tanks.

> Date of Government Version: 10/01/2009 Date Data Arrived at EDR: 10/01/2009 Date Made Active in Reports: 10/07/2009 Number of Days to Update: 6

Data Release Frequency: Semi-Annually

Source: Department of Agriculture Telephone: 573-751-7062 Last EDR Contact: 09/23/2009 Next Scheduled EDR Contact: 01/04/2010 Data Release Frequency: Semi-Annually

#### INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 09/08/2008 Date Data Arrived at EDR: 09/19/2008 Date Made Active in Reports: 10/16/2008 Number of Days to Update: 27

Source: EPA Region 5 Telephone: 312-886-6136 Last EDR Contact: 10/22/2009 Next Scheduled EDR Contact: 11/16/2009 Data Release Frequency: Varies

### INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 08/20/2009 Date Data Arrived at EDR: 08/26/2009 Date Made Active in Reports: 10/22/2009 Number of Days to Update: 57 Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 10/30/2009 Next Scheduled EDR Contact: 02/15/2010 Data Release Frequency: Semi-Annually

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 08/24/2009 Date Data Arrived at EDR: 08/26/2009 Date Made Active in Reports: 09/21/2009 Number of Days to Update: 26 Source: EPA Region 6 Telephone: 214-665-7591 Last EDR Contact: 10/30/2009 Next Scheduled EDR Contact: 02/15/2010 Data Release Frequency: Semi-Annually

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 08/21/2009 Date Data Arrived at EDR: 08/26/2009 Date Made Active in Reports: 10/22/2009 Number of Days to Update: 57

Source: EPA Region 9 Telephone: 415-972-3368 Last EDR Contact: 10/30/2009 Next Scheduled EDR Contact: 02/15/2010 Data Release Frequency: Quarterly

## INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 08/24/2009 Date Data Arrived at EDR: 09/10/2009 Date Made Active in Reports: 10/22/2009 Number of Days to Update: 42 Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 10/30/2009 Next Scheduled EDR Contact: 02/15/2010 Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/01/2008
Date Data Arrived at EDR: 12/30/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 76

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 11/04/2009 Next Scheduled EDR Contact: 02/15/2010 Data Release Frequency: Varies

### INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 08/20/2009
Date Data Arrived at EDR: 08/21/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 31

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 10/30/2009 Next Scheduled EDR Contact: 02/15/2010 Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 02/19/2009 Date Data Arrived at EDR: 02/19/2009 Date Made Active in Reports: 03/16/2009 Number of Days to Update: 25

Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 10/30/2009 Next Scheduled EDR Contact: 02/15/2010 Data Release Frequency: Varies

#### State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 04/02/2008	Source: EPA, Region 1
Date Data Arrived at EDR: 04/22/2008	Telephone: 617-918-1102
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 10/05/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 01/18/2010
	Data Release Frequency: Varies

VCP: Sites Participating in the Voluntary Cleanup Program Sites participating in the Voluntary Cleanup Program.

Date of Government Version: 09/23/2009	Source: Department of Natural Resources
Date Data Arrived at EDR: 09/28/2009	Telephone: 573-526-8913
Date Made Active in Reports: 10/09/2009	Last EDR Contact: 09/28/2009
Number of Days to Update: 11	Next Scheduled EDR Contact: 01/04/2010
	Data Release Frequency: Semi-Annually

### INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07
	Data Release Frequency: Varies

#### State and tribal Brownfields sites

**BROWNFIELDS:** Brownfields Site List

Brownfields are sites where redevelopment and reuse is hampered by known or suspected contamination with hazardous substances. While many brownfield sites are minimally contaminated, potential environmental liability can be a problem for owners, operators, prospective buyers and financial institutions. Because of the large number of these sites, their economic impact especially in heavily industrial areas is substantial.

Date of Government Version: 09/23/2009 Date Data Arrived at EDR: 09/28/2009 Date Made Active in Reports: 10/09/2009 Number of Days to Update: 11

Source: Department of Natural Resources Telephone: 573-526-8913 Last EDR Contact: 09/28/2009 Next Scheduled EDR Contact: 01/04/2010 Data Release Frequency: Semi-Annually

EDR Contact: 07/20/2009

## ADDITIONAL ENVIRONMENTAL RECORDS

#### Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

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

Date of Government Version: 07/01/2009 Date Data Arrived at EDR: 09/11/2009 Date Made Active in Reports: 11/09/2009 Number of Days to Update: 59 Source: Environmental Protection Agency Telephone: 202-566-2777 Last EDR Contact: 11/04/2009 Next Scheduled EDR Contact: 01/11/2010 Data Release Frequency: Semi-Annually

#### Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009	Source: EPA, Region 9
Date Data Arrived at EDR: 05/07/2009	Telephone: 415-972-3336
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 09/23/2009
Number of Days to Update: 137	Next Scheduled EDR Contact: 12/21/2009
	Data Release Frequency: Varies

ODI: Open Dump Inventory

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

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

HIST LF: Solid Waste Facility Database List

This database contains detailed information per site. It is no longer maintained by the Department of Natural Resources. For current information on solid waste facilities/landfills see the SWF/LF database.

Date of Government Version: 04/12/2005 Date Data Arrived at EDR: 07/19/2006 Date Made Active in Reports: 08/18/2006 Number of Days to Update: 30 Source: Department of Natural Resources Telephone: 573-751-5401 Last EDR Contact: 01/12/2009 Next Scheduled EDR Contact: 04/13/2009 Data Release Frequency: No Update Planned

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands Location of open dumps on Indian land.

Date of Government Version: 12/31/1998 Date Data Arrived at EDR: 12/03/2007 Date Made Active in Reports: 01/24/2008 Number of Days to Update: 52 Source: Environmental Protection Agency Telephone: 703-308-8245 Last EDR Contact: 11/09/2009 Next Scheduled EDR Contact: 02/22/2010 Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

#### US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

	Government Version: 03/01/2009	Source: Drug Enforcement Administration
Date Da	ata Arrived at EDR: 06/22/2009	Telephone: 202-307-1000
Date Ma	ade Active in Reports: 09/21/2009	Last EDR Contact: 03/26/2009
Numbe	of Days to Update: 91	Next Scheduled EDR Contact: 06/22/2009
		Data Release Frequency: Quarterly
A list of	aitan that ware removed from the De	agistry or for which Registry action was suspended due to cleanup
		egistry or for which Registry action was suspended due to cleanup.
Date of	Government Version: 06/28/2006	Source: Department of Natural Resources
Date of		
Date of Date Da	Government Version: 06/28/2006	Source: Department of Natural Resources

CDL: Environmental Emergency Response System Incidents reported to the Department of Natural Resources where drug lab materials were involved.

Date of Government Version: 09/09/2009 Date Data Arrived at EDR: 09/24/2009 Date Made Active in Reports: 10/09/2009 Number of Days to Update: 15 Source: Department of Natural Resources Telephone: 573-751-3443 Last EDR Contact: 09/24/2009 Next Scheduled EDR Contact: 01/04/2010 Data Release Frequency: Varies

Data Release Frequency: Annually

### US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007 Date Data Arrived at EDR: 11/19/2008 Date Made Active in Reports: 03/30/2009 Number of Days to Update: 131 Source: Drug Enforcement Administration Telephone: 202-307-1000 Last EDR Contact: 03/23/2009 Next Scheduled EDR Contact: 06/22/2009 Data Release Frequency: No Update Planned

#### Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 08/18/2009 Date Data Arrived at EDR: 08/21/2009 Date Made Active in Reports: 09/21/2009 Number of Days to Update: 31 Source: Environmental Protection Agency Telephone: 202-564-6023 Last EDR Contact: 11/02/2009 Next Scheduled EDR Contact: 02/15/2010 Data Release Frequency: Varies

#### LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005 Date Data Arrived at EDR: 12/11/2006 Date Made Active in Reports: 01/11/2007 Number of Days to Update: 31 Source: Department of the Navy Telephone: 843-820-7326 Last EDR Contact: 11/20/2009 Next Scheduled EDR Contact: 03/08/2010 Data Release Frequency: Varies

#### **Records of Emergency Release Reports**

HMIRS: Hazardous Materials Information Reporting System

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

Date of Government Version: 10/05/2009	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 10/05/2009	Telephone: 202-366-4555
Date Made Active in Reports: 11/09/2009	Last EDR Contact: 10/05/2009
Number of Days to Update: 35	Next Scheduled EDR Contact: 01/11/2010
	Data Release Frequency: Annually

SPILLS: Environmental Response Tracking Database

Releases of hazardous substances reported to the department's Environmental Emergency Response (EER) section.

Date of Government Version: 09/09/2009	Source: Department of Natural Resources
Date Data Arrived at EDR: 09/24/2009	Telephone: 573-526-3349
Date Made Active in Reports: 10/09/2009	Last EDR Contact: 09/24/2009
Number of Days to Update: 15	Next Scheduled EDR Contact: 01/04/2010
	Data Release Frequency: Semi-Annually

#### Other Ascertainable Records

RCRA-NonGen: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 11/12/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 118

Source: Environmental Protection Agency Telephone: 913-551-7003 Last EDR Contact: 11/18/2009 Next Scheduled EDR Contact: 01/18/2010 Data Release Frequency: Varies

#### DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 08/12/2009	Source: Department of Transporation, Office of Pipeline Safety
Date Data Arrived at EDR: 08/27/2009	Telephone: 202-366-4595
Date Made Active in Reports: 12/01/2009	Last EDR Contact: 11/10/2009
Number of Days to Update: 96	Next Scheduled EDR Contact: 02/22/2010
	Data Release Frequency: Varies

#### DOD: Department of Defense Sites

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

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 11/10/2006 Date Made Active in Reports: 01/11/2007 Number of Days to Update: 62 Source: USGS Telephone: 703-692-8801 Last EDR Contact: 10/23/2009 Next Scheduled EDR Contact: 02/01/2010 Data Release Frequency: Semi-Annually

#### FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2008	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 09/30/2009	Telephone: 202-528-4285
Date Made Active in Reports: 12/01/2009	Last EDR Contact: 09/30/2009
Number of Days to Update: 62	Next Scheduled EDR Contact: 12/28/2009
	Data Release Frequency: Varies

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

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

Date of Government Version: 08/03/2009	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 10/27/2009	Telephone: Varies
Date Made Active in Reports: 11/09/2009	Last EDR Contact: 10/06/2009
Number of Days to Update: 13	Next Scheduled EDR Contact: 01/18/2010
	Data Release Frequency: Varies

#### ROD: Records Of Decision

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

Date of Government Version: 09/01/2009 Date Data Arrived at EDR: 09/22/2009 Date Made Active in Reports: 10/22/2009 Number of Days to Update: 30 Source: EPA Telephone: 703-416-0223 Last EDR Contact: 09/22/2009 Next Scheduled EDR Contact: 12/28/2009 Data Release Frequency: Annually

#### UMTRA: Uranium Mill Tailings Sites

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

Date of Government Version: 01/05/2009 Date Data Arrived at EDR: 05/07/2009 Date Made Active in Reports: 05/08/2009 Number of Days to Update: 1 Source: Department of Energy Telephone: 505-845-0011 Last EDR Contact: 11/30/2009 Next Scheduled EDR Contact: 03/15/2010 Data Release Frequency: Varies

#### MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/07/2009	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 09/18/2009	Telephone: 303-231-5959
Date Made Active in Reports: 11/09/2009	Last EDR Contact: 09/18/2009
Number of Days to Update: 52	Next Scheduled EDR Contact: 12/21/2009
	Data Release Frequency: Semi-Annually

#### TRIS: Toxic Chemical Release Inventory System

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

Date of Government Version: 12/31/2007	Source: EPA
Date Data Arrived at EDR: 04/09/2009	Telephone: 202-566-0250
Date Made Active in Reports: 06/17/2009	Last EDR Contact: 12/01/2009
Number of Days to Update: 69	Next Scheduled EDR Contact: 03/15/2010
	Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2002	Source: EPA
Date Data Arrived at EDR: 04/14/2006	Telephone: 202-260-5521
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 10/07/2009
Number of Days to Update: 46	Next Scheduled EDR Contact: 01/11/2010
	Data Release Frequency: Every 4 Years

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

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 11/30/2009
Number of Days to Update: 25	Next Scheduled EDR Contact: 03/15/2010
	Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 11/30/2009
Number of Days to Update: 25	Next Scheduled EDR Contact: 03/15/2010
	Data Release Frequency: Quarterly

#### HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007	Source: Environmental Protection Agency Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

#### HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007 Number of Days to Update: 40 Source: Environmental Protection Agency Telephone: 202-564-2501 Last EDR Contact: 12/17/2008 Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

#### SSTS: Section 7 Tracking Systems

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

	Date of Government Version: 12/31/2007 Date Data Arrived at EDR: 05/19/2009 Date Made Active in Reports: 09/21/2009 Number of Days to Update: 125	Source: EPA Telephone: 202-564-4203 Last EDR Contact: 11/02/2009 Next Scheduled EDR Contact: 02/15/2010 Data Release Frequency: Annually
ICIS		n (ICIS) supports the information needs of the national enforcement needs of the National Pollutant Discharge Elimination System (NPDES)
	Date of Government Version: 08/21/2009 Date Data Arrived at EDR: 08/27/2009 Date Made Active in Reports: 10/22/2009 Number of Days to Update: 56	Source: Environmental Protection Agency Telephone: 202-564-5088 Last EDR Contact: 09/28/2009 Next Scheduled EDR Contact: 01/11/2010 Data Release Frequency: Quarterly
PAD	S: PCB Activity Database System	

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

Date of Government Version: 09/01/2009 Date Data Arrived at EDR: 10/21/2009 Date Made Active in Reports: 12/01/2009 Number of Days to Update: 41

Source: EPA Telephone: 202-566-0500 Last EDR Contact: 10/21/2009 Next Scheduled EDR Contact: 02/01/2010 Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

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

Date of Government Version: 07/06/2009 Date Data Arrived at EDR: 07/13/2009 Date Made Active in Reports: 09/21/2009 Number of Days to Update: 70 Source: Nuclear Regulatory Commission Telephone: 301-415-7169 Last EDR Contact: 09/21/2009 Next Scheduled EDR Contact: 12/28/2009 Data Release Frequency: Quarterly

#### RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 10/15/2009 Date Data Arrived at EDR: 10/16/2009 Date Made Active in Reports: 12/01/2009 Number of Days to Update: 46 Source: Environmental Protection Agency Telephone: 202-343-9775 Last EDR Contact: 10/16/2009 Next Scheduled EDR Contact: 01/25/2010 Data Release Frequency: Quarterly

### FINDS: Facility Index System/Facility Registry System

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

Date of Government Version: 10/19/2009 Date Data Arrived at EDR: 10/22/2009 Date Made Active in Reports: 12/01/2009 Number of Days to Update: 40 Source: EPA Telephone: (913) 551-7003 Last EDR Contact: 09/18/2009 Next Scheduled EDR Contact: 12/28/2009 Data Release Frequency: Quarterly

## RAATS: RCRA Administrative Action Tracking System

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

Date of Government Version: 04/17/1995 Date Data Arrived at EDR: 07/03/1995 Date Made Active in Reports: 08/07/1995 Number of Days to Update: 35 Source: EPA Telephone: 202-564-4104 Last EDR Contact: 06/02/2008 Next Scheduled EDR Contact: 09/01/2008 Data Release Frequency: No Update Planned

### BRS: Biennial Reporting System

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

Date of Government Version: 12/31/2007 Date Data Arrived at EDR: 02/19/2009 Date Made Active in Reports: 05/22/2009 Number of Days to Update: 92 Source: EPA/NTIS Telephone: 800-424-9346 Last EDR Contact: 11/20/2009 Next Scheduled EDR Contact: 03/05/2010 Data Release Frequency: Biennially

#### UIC: Underground Injection Wells Database

A listing of underground injection well locations. The UIC Program is responsible for regulating the construction, operation, permitting, and closure of injection wells that place fluids underground for storage or disposal.

Date of Government Version: 11/16/2009 Date Data Arrived at EDR: 11/18/2009 Date Made Active in Reports: 11/25/2009 Number of Days to Update: 7 Source: Department of Natural Resources Telephone: 573-368-2183 Last EDR Contact: 11/16/2009 Next Scheduled EDR Contact: 02/15/2010 Data Release Frequency: Varies

### DRYCLEANERS: Drycleaners in Missouri Listing

A listing of drycleaner facilities that are potentially eligible for reimbursement of department approved cleanup costs under the Drycleaning Environmental Response Trust Fund.

Date of Government Version: 09/24/2009 Date Data Arrived at EDR: 09/25/2009 Date Made Active in Reports: 10/09/2009 Number of Days to Update: 14 Source: Department of Natural Resources Telephone: 573-526-8913 Last EDR Contact: 09/23/2009 Next Scheduled EDR Contact: 01/04/2010 Data Release Frequency: Varies

### RRC: Certified Hazardous Waste Resource Recovery Facilities

Facilities that take hazardous waste material, either from on-site or off-site, and make it re-usable.

Date of Government Version: 09/08/2009 Date Data Arrived at EDR: 09/24/2009	Source: Department of Natural Resources Telephone: 573-751-3176
Date Made Active in Reports: 10/09/2009	Last EDR Contact: 11/23/2009
Number of Days to Update: 15	Next Scheduled EDR Contact: 03/08/2010 Data Release Frequency: Semi-Annually

#### NPDES: Permitted Facility Listing A listing of permitted facilities from the Water Pollution Branch. Date of Government Version: 10/13/2009 Source: Department of Natural Resources Date Data Arrived at EDR: 10/15/2009 Telephone: 573-751-7023 Date Made Active in Reports: 10/23/2009 Last EDR Contact: 10/13/2009 Number of Days to Update: 8 Next Scheduled EDR Contact: 01/25/2010 Data Release Frequency: Varies AIRS: Permit Facility Listing A listing of Air Pollution Control Program permits. Date of Government Version: 09/29/2009 Source: Department of Natural Resources Date Data Arrived at EDR: 09/29/2009 Telephone: 573-751-4817 Last EDR Contact: 09/23/2009 Date Made Active in Reports: 10/09/2009 Number of Days to Update: 10 Next Scheduled EDR Contact: 01/04/2010 Data Release Frequency: Varies **INDIAN RESERV: Indian Reservations** This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres. Date of Government Version: 12/31/2005 Source: USGS Date Data Arrived at EDR: 12/08/2006 Telephone: 202-208-3710 Date Made Active in Reports: 01/11/2007 Last EDR Contact: 10/23/2009 Number of Days to Update: 34 Next Scheduled EDR Contact: 02/01/2010 Data Release Frequency: Semi-Annually SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin. Date of Government Version: 09/09/2009 Source: Environmental Protection Agency Date Data Arrived at EDR: 09/09/2009 Telephone: 615-532-8599 Last EDR Contact: 11/09/2009 Date Made Active in Reports: 10/22/2009 Number of Days to Update: 43 Next Scheduled EDR Contact: 02/08/2010 Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 01/01/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/18/2009	Telephone: 202-566-0517
Date Made Active in Reports: 05/29/2009	Last EDR Contact: 11/13/2009
Number of Days to Update: 100	Next Scheduled EDR Contact: 02/15/2010
	Data Release Frequency: Varies

#### FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 02/06/2006 Date Made Active in Reports: 01/11/2007 Number of Days to Update: 339 Source: U.S. Geological Survey Telephone: 888-275-8747 Last EDR Contact: 10/23/2009 Next Scheduled EDR Contact: 02/01/2010 Data Release Frequency: N/A

Telephone: 573-526-1825

Last EDR Contact: 10/13/2009

Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Sites A listing of power plants with coal ash ponds.

> Date of Government Version: 07/24/2009 Date Data Arrived at EDR: 07/31/2009 Date Made Active in Reports: 08/17/2009 Number of Days to Update: 17

EDR PROPRIETARY RECORDS

#### EDR Proprietary Records

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

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

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

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

Source: Department of Natural Resources

Next Scheduled EDR Contact: 01/25/2010

### **OTHER DATABASE(S)**

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

CT MANIFEST: Hazardous Waste Manifest Data

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

Date of Government Version: 12/31/2007	Source: Department of Environmental Protection
Date Data Arrived at EDR: 08/26/2009	Telephone: 860-424-3375
Date Made Active in Reports: 09/11/2009	Last EDR Contact: 11/24/2009
Number of Days to Update: 16	Next Scheduled EDR Contact: 03/08/2010
	Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 07/28/2009 Date Data Arrived at EDR: 08/27/2009 Date Made Active in Reports: 09/21/2009 Number of Days to Update: 25 Source: Department of Environmental Conservation Telephone: 518-402-8651 Last EDR Contact: 11/10/2009 Next Scheduled EDR Contact: 02/22/2010 Data Release Frequency: Annually

PA MANIFEST: Manifest Information Hazardous waste manifest information.

Last EDR Contact: 11/23/2009

Telephone: N/A

Date of Government Version: 12/31/2007 Date Data Arrived at EDR: 09/11/2008 Date Made Active in Reports: 10/02/2008 Number of Days to Update: 21

**RI MANIFEST: Manifest information** Hazardous waste manifest information

> Date of Government Version: 06/01/2009 Date Data Arrived at EDR: 06/12/2009 Date Made Active in Reports: 06/29/2009 Number of Days to Update: 17

Source: Department of Environmental Management Telephone: 401-222-2797 Last EDR Contact: 11/30/2009 Next Scheduled EDR Contact: 03/15/2010 Data Release Frequency: Annually

Source: Department of Environmental Protection

Next Scheduled EDR Contact: 03/08/2010 Data Release Frequency: Annually

WI MANIFEST: Manifest Information Hazardous waste manifest information.

> Date of Government Version: 12/31/2008 Date Data Arrived at EDR: 07/17/2009 Telephone: N/A Date Made Active in Reports: 08/10/2009 Number of Days to Update: 24

Source: Department of Natural Resources Last EDR Contact: 09/24/2009 Next Scheduled EDR Contact: 01/04/2010 Data Release Frequency: Annually

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

Electric Power Transmission Line Data

Source: PennWell Corporation

Telephone: (800) 823-6277

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

AHA Hospitals: Source: American Hospital Association, Inc. Telephone: 312-280-5991 The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals. Medical Centers: Provider of Services Listing Source: Centers for Medicare & Medicaid Services Telephone: 410-786-3000 A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services. Nursing Homes Source: National Institutes of Health Telephone: 301-594-6248 Information on Medicare and Medicaid certified nursing homes in the United States. **Public Schools** Source: National Center for Education Statistics Telephone: 202-502-7300 The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states. Private Schools Source: National Center for Education Statistics Telephone: 202-502-7300 The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Child Care Facilities Source: Department of Health & Senior Services Telephone: 573-751-2450

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

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

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

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

## STREET AND ADDRESS INFORMATION

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# **GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM**

### TARGET PROPERTY ADDRESS

PIC WEST DIVISION/HASELTINE ROAD SPRINGFIELD, MO 65802

## TARGET PROPERTY COORDINATES

Latitude (North):	37.22610 - 37° 13' 34.0''
Longitude (West):	93.384 - 93° 23' 2.4''
Universal Tranverse Mercator:	Zone 15
UTM X (Meters):	465933.7
UTM Y (Meters):	4119820.2
Elevation:	1276 ft. above sea level

#### USGS TOPOGRAPHIC MAP

Target Property Map:	37093-B4 BROOKLINE, MO
Most Recent Revision:	1975
East Map:	37093-B3 SPRINGFIELD, MO
Most Recent Revision:	1996

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

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

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

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

## **GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE SUMMARY**

## **GROUNDWATER FLOW DIRECTION INFORMATION**

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

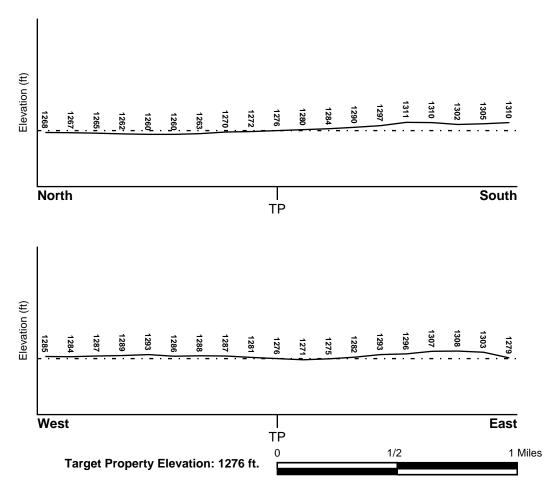
## **TOPOGRAPHIC INFORMATION**

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

## TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NNE

## SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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

## **GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE SUMMARY**

## HYDROLOGIC INFORMATION

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

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

#### FEMA FLOOD ZONE

Target Property County GREENE, MO	FEMA Flood <u>Electronic Data</u> YES - refer to the Overview Map and Detail Map	
Flood Plain Panel at Target Property:	2907820065B	
Additional Panels in search area:	2901490001B 2901490005B 2907820095B	
NATIONAL WETLAND INVENTORY		
NWI Quad at Target Property BROOKLINE	NWI Electronic <u>Data Coverage</u> 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.

### **AQUIFLOW®**

Search Radius: 1.000 Mile.

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

MAP ID Not Reported LOCATION FROM TP GENERAL DIRECTION GROUNDWATER FLOW

## **GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE SUMMARY**

## **GROUNDWATER FLOW VELOCITY INFORMATION**

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

## **GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY**

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

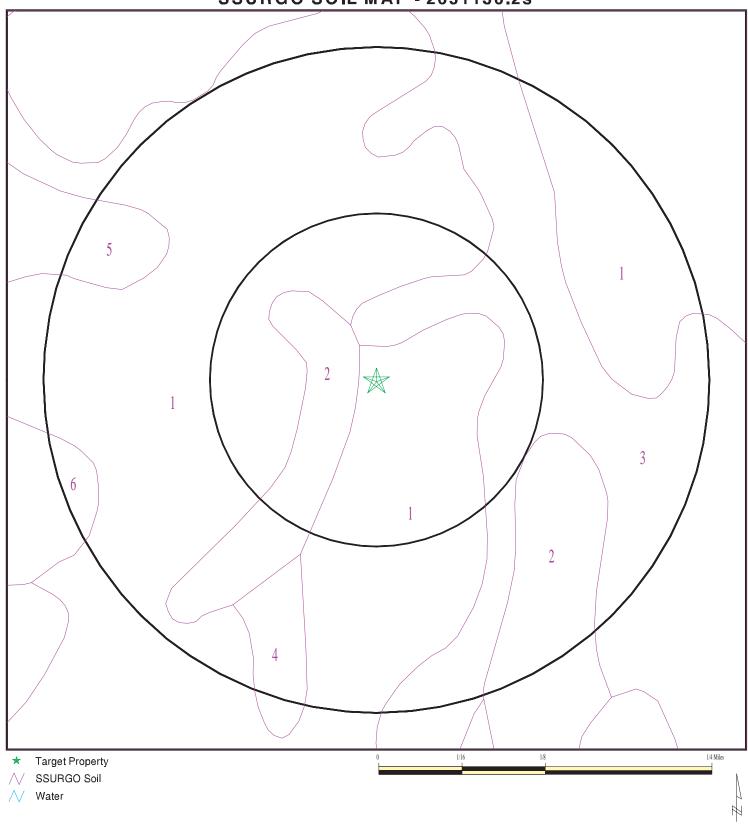
### **ROCK STRATIGRAPHIC UNIT**

## **GEOLOGIC AGE IDENTIFICATION**

Era:	Paleozoic	Category:	Stratified Sequence
System:	Mississippian		
Series:	Osagean and Kinderhookian Series		
Code:	M1 (decoded above as Era, System & Se	ries)	

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).

SSURGO SOIL MAP - 2651136.2s



SITE NAME: ADDRESS:	Division/Haseltine Road
LAT/LONG:	Springfield MO 65802 37.2261 / 93.3840

CLIENT: CONTACT: INQUIRY #: DATE:	Midwest Environmental Tommy Bieker 2651136.2s December 03, 2009 1:10 pm
Copyright © 2008 EDR, Inc. © 2008 Tele Atlas Rel. 07/2007.	

#### DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

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

Soil Map ID: 1	
Soil Component Name:	Pembroke
Soil Surface Texture:	silt loam
Hydrologic Group:	Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.
Soil Drainage Class:	Well drained
Hydric Status: Not hydric	
Corrosion Potential - Uncoated Steel:	Low
Depth to Bedrock Min:	> 0 inches
Depth to Watertable Min:	> 0 inches

	Soil Layer Information								
	Βοι	indary		Classi	fication	Saturated hydraulic			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)		
1	0 inches	7 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 14 Min: 4	Max: 6 Min: 4.5		
2	7 inches	46 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 14 Min: 4	Max: 6 Min: 4.5		
3	46 inches	72 inches	very gravelly clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 14 Min: 4	Max: 6 Min: 4.5		

## Soil Map ID: 2

Soil Component Name:	Sampsel
Soil Surface Texture:	silty clay loam
Hydrologic Group:	Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.
Soil Drainage Class:	Poorly drained
Hydric Status: Partially hydric	
Corrosion Potential - Uncoated Steel:	High
Depth to Bedrock Min:	> 0 inches
Depth to Watertable Min:	> 23 inches

	Soil Layer Information							
	Bou	Indary		Classi	fication	Saturated hydraulic		
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)	
1	0 inches	12 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 1.4 Min: 0	Max: Min:	
2	12 inches	66 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 1.4 Min: 0	Max: Min:	
3	66 inches	70 inches	bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 1.4 Min: 0	Max: Min:	

Soil Map ID: 3	
Soil Component Name:	Newtonia
Soil Surface Texture:	silt loam
Hydrologic Group:	Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.
Soil Drainage Class:	Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information								
	Bou	indary		Classi	fication	Saturated hydraulic		
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)	
1	0 inches	9 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 7.3 Min: 5.1	
2	9 inches	20 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 7.3 Min: 5.1	
3	20 inches	27 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 7.3 Min: 5.1	
4	27 inches	53 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 7.3 Min: 5.1	
5	53 inches	72 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 7.3 Min: 5.1	

Soil Map ID: 4	
Soil Component Name:	Hepler
Soil Surface Texture:	silt loam
Hydrologic Group:	Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.
Soil Drainage Class:	Somewhat poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 61 inches

Soil Layer Information								
	Bou	Indary	Soil Texture Class	Classi	ication	Saturated hydraulic		
Layer	Upper	Lower		AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)	
1	0 inches	7 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 6.5 Min: 4.5	
2	7 inches	29 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 6.5 Min: 4.5	
3	29 inches	48 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 6.5 Min: 4.5	
4	48 inches	64 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 6.5 Min: 4.5	

Soil Map ID: 5	
Soil Component Name:	Keeno
Soil Surface Texture:	gravelly silt loam
Hydrologic Group:	Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.
Soil Drainage Class:	Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 61 inches

Soil Layer Information								
	Bou	Indary	Soil Texture Class	Classi	fication	Saturated hydraulic		
Layer	Upper	Lower		AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)	
1	0 inches	11 inches	gravelly silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel	Max: 14 Min: 4	Max: 5.5 Min: 4.5	
2	11 inches	27 inches	very gravelly silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel	Max: 14 Min: 4	Max: 5.5 Min: 4.5	
3	27 inches	38 inches	extremely gravelly silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel	Max: 14 Min: 4	Max: 5.5 Min: 4.5	
4	38 inches	59 inches	extremely gravelly clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel	Max: 14 Min: 4	Max: 5.5 Min: 4.5	

Soil Map ID: 6	
Soil Component Name:	Creldon
Soil Surface Texture:	silt loam
Hydrologic Group:	Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.
Soil Drainage Class:	Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 69 inches

Soil Layer Information								
Boundary		Indary		Classi	fication	Saturated hydraulic		
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)	
1	0 inches	9 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 14 Min: 4	Max: 6 Min: 3.6	
2	9 inches	14 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 14 Min: 4	Max: 6 Min: 3.6	
3	14 inches	24 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 14 Min: 4	Max: 6 Min: 3.6	
4	24 inches	35 inches	very gravelly silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 14 Min: 4	Max: 6 Min: 3.6	
5	35 inches	46 inches	very gravelly silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 14 Min: 4	Max: 6 Min: 3.6	
6	46 inches	66 inches	gravelly clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 14 Min: 4	Max: 6 Min: 3.6	

#### LOCAL / REGIONAL WATER AGENCY RECORDS

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

#### WELL SEARCH DISTANCE INFORMATION

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

#### FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS2591032	0 - 1/8 Mile North
2	USGS2591031	1/8 - 1/4 Mile ENE
3	USGS2591178	1/8 - 1/4 Mile SSE
5	USGS2591165	1/2 - 1 Mile ESE
6	USGS2591177	1/2 - 1 Mile ESE
7	USGS2591124	1/2 - 1 Mile South

#### FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

		LOCATION
MAP ID	WELL ID	FROM TP
No DWC Custom Found		

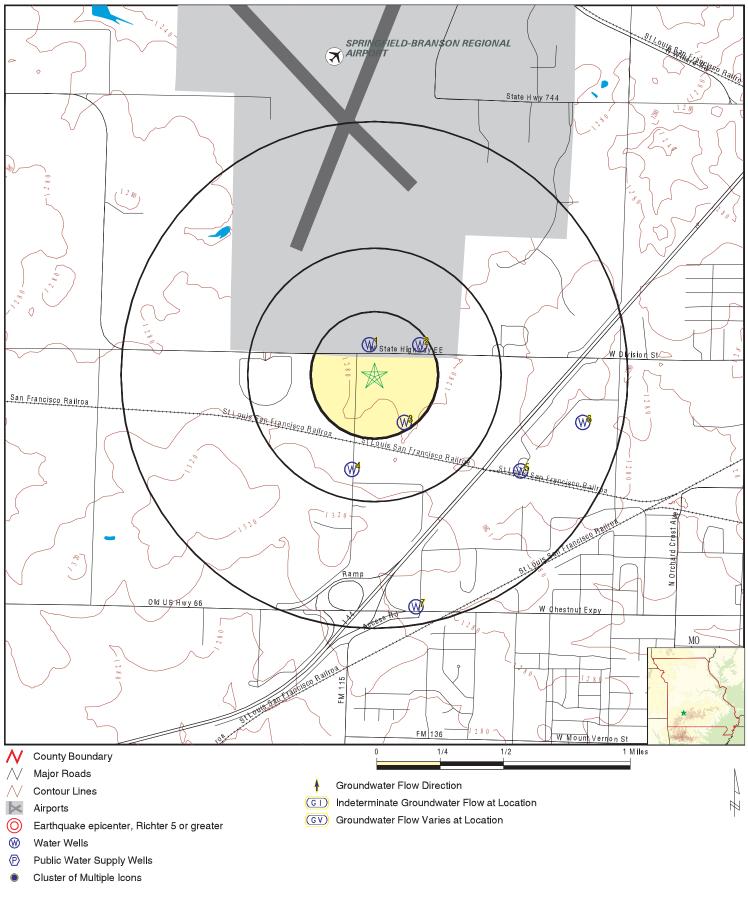
No PWS System Found

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

#### STATE DATABASE WELL INFORMATION

		LOCATION
MAP ID	WELL ID	FROM TP
4	MO400000002139	1/4 - 1/2 Mile SSW

## **PHYSICAL SETTING SOURCE MAP - 2651136.2s**



Map ID Direction Distance				
Elevation			Database	EDR ID Number
1 North 0 - 1/8 Mile Lower			FED USGS	USGS2591032
Agency cd: Site name:	USGS T29N R22W 07CCC1	Site no:	371340093230301	
Latitude:	371340	EDR Site id:	USGS2591032	
Longitude:	0932303	Dec lat:	37.22782654	
Dec lon:	-93.38435788	Coor meth:	M	
Coor accr:	F	Latlong datum:	NAD27	
Dec lationg datum:	NAD83	District:	29	
State:	29	County:	077	
Country:	US	Land net:	SWSWSWS07 T29N	R22W 5
Location map:	BROOKLINE	Map scale:	24000	
Altitude:	Not Reported			
Altitude method:	Not Reported			
Altitude accuracy:	Not Reported			
Altitude datum:	Not Reported			
Hydrologic:	Sac. Missouri. Area = 1950 sq.m	i.		
Topographic:	Not Reported			
Site type:	Ground-water other than Spring	Date construction:	19470101	
Date inventoried:	Not Reported	Mean greenwich time offset:	CST	
Local standard time flag:	Y			
Type of ground water site:	Single well, other than collector of	or Ranney type		
Aquifer Type:	Not Reported			
Aquifer:	OSAGEAN SERIES			
Well depth:	150	Hole depth:	150	
Source of depth data:	Not Reported			
Project number:	Not Reported			
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported	
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported	
Peak flow data begin date:	•	Peak flow data end date:	Not Reported	
Peak flow data count:	Not Reported	Water quality data begin date:		
Water quality data end date		Water quality data count:	Not Reported	
Ground water data begin da	•	Ground water data end date:	Not Reported	
Ground water data count:	Not Reported			
Ground-water levels, Numb	er of Measurements: 0			

2 ENE 1/8 - 1/4 Mile Lower FED USGS USGS2591031 USGS 371340093225001 Agency cd: Site no: Site name: T29N R22W 07CDD1 EDR Site id: USGS2591031 Latitude: 371340 Longitude: 0932250 Dec lat: 37.2278265 -93.38074664 Dec lon: Coor meth: Μ Coor accr: F Latlong datum: NAD27 Dec latlong datum: NAD83 District: 29 077 State: 29 County: Country: US Land net: SESESWS07 T29N R22W 5 Location map: BROOKLINE 24000 Map scale:

Altitude:	1272.00		
Altitude method:	Level or other surveying method		
Altitude accuracy:	1.		
Altitude datum:	National Geodetic Vertical Datum		
Hydrologic:	Sac. Missouri. Area = 1950 sq.m	i.	
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19360719
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector of	r Ranney type	
Aquifer Type:	Not Reported		
Aquifer:	OSAGEAN SERIES		
Well depth:	170	Hole depth:	170
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date	2:0000-00-00	Water quality data count:	0
Ground water data begin da	und water data begin date: 1936-07-19 Ground water data end date: 1936-07-19		
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

 Feet below
 Feet to

 Date
 Surface
 Sealevel

1936-07-19 70

#### 3 SSE 1/8 - 1/4 Mile Higher

Agency cd:	USGS	Site no:	371324093225401	
Site name:	T29N R22W 18BCA1			
Latitude:	371324	EDR Site id:	USGS2591178	
Longitude:	0932254	Dec lat:	37.22338219	
Dec lon:	-93.38185776	Coor meth:	M	
Coor accr:	F	Latlong datum:	NAD27	
Dec latlong datum:	NAD83	District:	29	
State:	29	County:	077	
Country:	US	Land net:	NESWNWS18 T29N R22W 5	
Location map:	BROOKLINE	Map scale:	24000	
Altitude:	1275.00			
Altitude method:	Level or other surveying method			
Altitude accuracy:	1.			
Altitude datum:	National Geodetic Vertical Datum of 1929			
Hydrologic:	Sac. Missouri. Area = 1950 sq.m	i.		
Topographic:	Not Reported			
Site type:	Ground-water other than Spring	Date construction:	19460301	
Date inventoried:	Not Reported	Mean greenwich time offset:	CST	
Local standard time flag:	Y			
Type of ground water site:	Single well, other than collector of	or Ranney type		
Aquifer Type:	Not Reported			
Aquifer:	COTTER DOLOMITE			
Well depth:	402	Hole depth:	402	
Source of depth data:	Not Reported			
Project number:	Not Reported			
Real time data flag:	0	Daily flow data begin date:	0000-00-00	
Daily flow data end date:	0000-00-00	Daily flow data count:	0	
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00	

FED USGS USGS2591178

Peak flow data count: 0 Water quality data end date:0000-00-00 Ground water data begin date: 1946-03-01 Ground water data count: 1

Water quality data begin date: 0000-00-00 Water quality data count: 0 Ground water data end date: 1946-03-01

Ground-water levels, Number of Measurements: 1 Feet below Feet to Date Surface Sealevel -----\_\_\_\_\_ 1946-03-01 250

## SSW

1/4 - 1/2 Mile Higher

> Uniqueid: Wwimsid: Pwssid: lpws: Wellnum: Wellid: Fed type: Ddlat: Ddlong: Mapname: County: Mdnrnum: Aban: Material: Form cd: Form td: Totdepth: Topseal: Casedepth: Casetype: Topcaseelv: Caseheight: Outcasesiz: Scrnsize: Yield: Drawdown: Pumptype: Pumpdepth: Meter: Voc: Chlor: Gwudisw: Surfdrain: Method: Locstatus: Lastupdate:

103444 Not Reported 5208057 MO5208057 1 13059 NC 37.22069 -93.38561 Brookline Greene 5 0 Consolidated Osagean Jefferson City 580 Not Reported 120 Not Reported 0 1 0 -9999 0 0 Not Reported 357 Not Reported Ν Ν Ν Not Reported GPS, Garmin Not Verified 1999/08/31

#### MO WELLS MO40000002139

1	Logid: Pwssname: Pwssidext: Ipwsext: Localname: Factype: Status:	Not Reported Players Softball Complex 5208057101 MO5208057101 Well #1 Recreational Facility Active
	Fips: Mdnrreg: Drilldate: Plug:	29077 Southwest 1989 0
,		
y	Grndelev:	0
4	Botseal:	Not Reported
-	Casesize:	0
ł		
	Outcasedep:	0
	Scrnlength:	-9999
	Staticleve:	0
	Head:	0
	Pumptestda:	0
ł	Pumpmanuf:	Not Reported
	Pumpcapaci:	0
1	Stdbypwr:	Not Reported
	Nitrate:	N
	Filter:	N
	Stappr:	N
	Entry:	Y
n 12 XL	Accuracy:	31
	Verloc:	N MO 4000000000000000000000000000000000000
	Site id:	MO400000002139

ESE 1/2 - 1 Mile Higher

FED USGS USGS2591165

Agency cd:	USGS	Site no:	371314093222401
Site name:	T29N R22W 18ACC1		
Latitude:	371314	EDR Site id:	USGS2591165
Longitude:	0932224	Dec lat:	37.2206044
Dec lon:	-93.3735241	Coor meth:	Μ
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	29
State:	29	County:	077
Country:	US	Land net:	SWSWNES18 T29N R22W 5
Location map:	SPRINGFIELD	Map scale:	24000
Altitude:	1278.00		
Altitude method:	Level or other surveying method		
Altitude accuracy:	1.		
Altitude datum:	National Geodetic Vertical Datum	n of 1929	
Hydrologic:	Sac. Missouri. Area = 1950 sq.m	i.	
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19400301
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y	-	
Type of ground water site:	Single well, other than collector c	or Ranney type	
Aquifer Type:	Not Reported		
Aquifer:	OSAGEAN SERIES		
Well depth:	170	Hole depth:	170
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date	20000-00-00	Water quality data count:	0
Ground water data begin da	ate: 1940-03-01	Ground water data end date:	1940-03-01
Ground water data count:	1		
Ground-water levels, Numb	er of Measurements: 1		
Feet below	Feet to		

Feet below Feet to Date Surface Sealevel

-----

..... 1940-03-01 81

.......

# 6 ESE 1/2 - 1 Mile Higher

ligher			
Agency cd:	USGS	Site no:	371324093220801
Site name:	T29N R22W 18AAD1		
Latitude:	371324	EDR Site id:	USGS2591177
Longitude:	0932208	Dec lat:	37.22338205
Dec lon:	-93.36907951	Coor meth:	Μ
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	29
State:	29	County:	077
Country:	US	Land net:	SENENES18 T29N R22W 5
Location map:	SPRINGFIELD	Map scale:	24000
Altitude:	1283.00		
Altitude method:	Level or other surveying method		
Altitude accuracy:	1.		
Altitude datum:	National Geodetic Vertical Datur	n of 1929	
Hydrologic:	Sac. Missouri. Area = 1950 sq.m	ni.	
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19390801
Date inventoried:	Not Reported	Mean greenwich time offset:	CST

FED USGS

USGS2591177

Local standard time flag: Type of ground water site: Aquifer Type: Aquifer:	Y Single well, other than collector Not Reported OSAGEAN SERIES	or Ranney type	
Well depth:	180	Hole depth:	180
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date	e:Not Reported	Water quality data count:	Not Reported
Ground water data begin d	ate: Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

#### 7 South 1/2 - 1 Mile Higher

Agency cd:	USGS	Site no:	371246093225101
Site name:	T29N R22W 18CDC1		
Latitude:	371246	EDR Site id:	USGS2591124
Longitude:	0932251	Dec lat:	37.21282691
Dec lon:	-93.38102432	Coor meth:	Μ
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	29
State:	29	County:	077
Country:	US	Land net:	SWSESWS18 T29N R22W 5
Location map:	BROOKLINE	Map scale:	24000
Altitude:	1299.00		
Altitude method:	Level or other surveying method		
Altitude accuracy:	1.		
Altitude datum:	National Geodetic Vertical Datum	n of 1929	
Hydrologic:	Sac. Missouri. Area = 1950 sq.m	i.	
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19351114
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector of	or Ranney type	
Aquifer Type:	Not Reported		
Aquifer:	OSAGEAN SERIES		
Well depth:	177	Hole depth:	177
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date		Water quality data count:	0
Ground water data begin da		Ground water data end date:	1935-11-14
Ground water data count:	1		

FED USGS

USGS2591124

Ground-water levels, Number of Measurements: 1

Feet below Feet to

Date Surface Sealevel

1935-11-14 20

#### AREA RADON INFORMATION

State Database: MO Radon

Radon Test Results

County	Average	Max Pci/L	Min Pci/L	Num Samples
GREENE	3.8	51.8	<0.5	46

Federal EPA Radon Zone for GREENE County: 2

Note: Zone 1 indoor average level > 4 pCi/L.

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

: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 65802

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	4.500 pCi/L	0%	100%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	1.300 pCi/L	100%	0%	0%

#### **TOPOGRAPHIC INFORMATION**

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

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

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

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

#### HYDROLOGIC INFORMATION

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

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

#### 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. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

#### STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

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

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS) Telephone: 800-672-5559

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

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

#### LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

USGS Water Wells: USGS National Water Inventory System (NWIS) This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Missouri Public Drinking Water Wells Source: Department of Natural Resources Telephone: 573-526-5448

#### **OTHER STATE DATABASE INFORMATION**

#### RADON

Area Radon Information

Source: USGS

Telephone: 703-356-4020

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

EPA Radon Zones Source: EPA Telephone: 703-356-4020 Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

#### OTHER

Airport Landing Facilities: Private and public use landing facilities Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater Source: Department of Commerce, National Oceanic and Atmospheric Administration

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

#### STREET AND ADDRESS INFORMATION

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Appendix 3

ESA User Questionnaire

Phase I ESA User Questionnaire:

Interview Contact: Mr. Dean P. Thompson

Interview date: December 4, 2009.

- 1. Are you aware of any environmental cleanup liens against the Property that are filed or recorded under federal, tribal, state or local law? Not to his knowledge.
- 2. Are you aware of any activity and use limitations (AULs) such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state, or local law? Not to his knowledge.
- 3. As the ESA User, do you have any specialized knowledge or experience related to the Property or nearby properties? Prior Phase I EA completed by Midwest Environmental Consultants in 2000.
- 4. Does the purchase price being paid for this Property reasonably reflect the fair market value of the Property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the Property? Not to his knowledge.
- 5. Are you aware of commonly known or reasonably ascertainable information about the Property that would help MEC to identify conditions indicative of releases or threatened releases? For example, as the ESA User.
  - a. Do you know the past uses of the Property? Rural Farm Land
  - b. Do you know of spills or other chemical releases that have taken place at the Property? Not to his knowledge.
  - **c.** Do you know of any environmental cleanups that have taken place at the Property? Not to his knowledge.

Appendix 4

Historical Information

## **PIC West**

Corner Division/Haseltine Road Springfield, MO 65802

Inquiry Number: 2651136.6 December 23, 2009

## **The EDR-City Directory Abstract**



440 Wheelers Farms Road Milford, CT 06461 800.352.0050 www.edrnet.com

## **TABLE OF CONTENTS**

## **SECTION**

**Executive Summary** 

Findings

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

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## 2009 Enhancements to EDR City Directory Abstract

New for 2009, the EDR City Directory Abstract has been enhanced with additional information and features. These enhancements will make your city directory research process more efficient, flexible, and insightful than ever before. The enhancements will improve the options for selecting adjoining properties, and will speed up your review of the report.

**City Directory Report.** Three important enhancements have been made to the EDR City Directory Abstract:

1. *Executive Summary.* The report begins with an Executive Summary that lists the sources consulted in the preparation of the report. Where available, a parcel map is also provided within the report, showing the locations of properties researched.

2. *Page Images.* Where available, the actual page source images will be included in the Appendix, so that you can review them for information that may provide additional insight. EDR has copyright permission to include these images.

3. *Findings Listed by Location*. Another useful enhancement is that findings are now grouped by address. This will significantly reduce the time you need to review your abstracts. Findings are provided under each property address, listed in reverse chronological order and referencing the source for each entry.

**Options for Selecting Adjoining Properties.** Ensuring that the right adjoining property addresses are searched is one of the biggest challenges that environmental professionals face when conducting city directory historical research. EDR's new enhancements make it easier for you to meet this challenge. Now, when you place an order for the EDR City Directory Abstract, you have the following choices for determining which addresses should be researched.

1. You Select Addresses and EDR Selects Addresses. Use the "Add Another Address" feature to specify the addresses you want researched. Your selections will be supplemented by addresses selected by EDR researchers using our established research methods. Where available, a digital map will be shown, indicating property lines overlaid on a color aerial photo and their corresponding addresses. Simply use the address list below the map to check off which properties shown on the map you want to include. You may also select other addresses using the "Add Another Address" feature at the bottom of the list.

2. *EDR Selects Addresses.* Choose this method if you want EDR's researchers to select the addresses to be researched for you, using our established research methods.

3. You Select Addresses. Use this method for research based solely on the addresses you select or enter into the system.

4. *Hold City Directory Research Option.* If you choose to select your own adjoining addresses, you may pause production of your EDR City Directory Abstract report until you have had a chance to look at your other EDR reports and sources. Sources for property addresses include: your Certified Sanborn Map Report may show you the location of property addresses; the new EDR Property Tax Map Report may show the location of property addresses; and your field research can supplement these sources with additional address information. To use this capability, simply click "Hold City Directory research" box under "Other Options" at the bottom of the page. Once you have determined what addresses you want researched, go to your EDR Order Status page, select the EDR City Directory Abstract, and enter the addresses and submit for production.

Questions? Contact your EDR representative at 800-352-0050. For more information about all of EDR's 2009 report and service enhancements, visit <u>www.edrnet.com/2009enhancements</u>

## **EXECUTIVE SUMMARY**

#### DESCRIPTION

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

#### **RESEARCH SUMMARY**

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
2010	Polk's City Directory	-	Х	Х	-
2004	Polk's City Directory	-	х	Х	-
1998	Polk's City Directory	-	х	Х	-
1992	Polk's City Directory	-	х	Х	-
1986	Polk's City Directory	-	х	Х	-
1980	Polk's City Directory	-	Х	Х	-
1974	Polk's City Directory	-	Х	Х	-
1969	Polk's City Directory	-	х	Х	-
1964	Polk's City Directory	-	Х	Х	-
1959	Polk's City Directory	-	х	Х	-
1953	Polk's City Directory	-	Х	Х	-

## **EXECUTIVE SUMMARY**

## SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

## <u>Address</u>

<u>Туре</u>

<u>Findings</u>

4100 West Division

4200 West Division

Client Entered Client Entered

## TARGET PROPERTY INFORMATION

## ADDRESS

Corner Division/Haseltine Road Springfield, MO 65802

## **FINDINGS DETAIL**

Target Property research detail.

No Addresses Found

## ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

#### West Division

#### West Division

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1974	No address listings beyond 4041 W Division	Polk's City Directory
1969	No address listings beyond 4041 W Division	Polk's City Directory
1964	No address listings beyond 3119 W Division	Polk's City Directory
1959	No address listings beyond 3119 W Division	Polk's City Directory
1953	No address listings beyond 3100 W Division	Polk's City Directory

#### 4101 West Division

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	Residential	Polk's City Directory
2004	Residential	Polk's City Directory
1998	Pope Upholstery Shop	Polk's City Directory
1992	Pope Upholstery Shop	Polk's City Directory
1986	Pope Upholstery Shop	Polk's City Directory
1980	Residential	Polk's City Directory

#### 4139 West Division

<u>Source</u>
Polk's City Directory

#### 4141 West Division

<u>Year</u>	<u>Uses</u>
2010	Residential
2004	Residential
1998	Residential

## <u>Source</u>

Polk's City Directory Polk's City Directory Polk's City Directory

<u>Year</u>	<u>Uses</u>
1992	Residential
1986	Vacant
1980	Residential

#### 4150 West Division

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	Color Graphic Printing Inc	Polk's City Directory
2004	Color Graphic Printing Inc	Polk's City Directory

## 4151 West Division

<u>Year</u>	<u>Uses</u>
2010	Willard School

2004	Willard School

## <u>Source</u>

Polk's City Directory Polk's City Directory Polk's City Directory

## <u>Source</u>

Polk's City Directory Polk's City Directory

## TARGET PROPERTY: ADDRESS NOT LISTED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not listed in the research source.

Address Researched	Address Not Listed in Research Source		
Corner Division/Haseltine Road	2010, 2004, 1998, 1992, 1986, 1980, 1974, 1969, 1964, 1959, 1953		

#### ADJOINING PROPERTY: ADDRESSES NOT LISTED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not listed in research source.

Address Researched	Address Not Listed in Research Source			
4100 West Division	2010, 2004, 1998, 1992, 1986, 1980, 1974, 1969, 1964, 1959, 1953			
4101 West Division	1974, 1969, 1964, 1959, 1953			
4139 West Division	1974, 1969, 1964, 1959, 1953			
4141 West Division	1974, 1969, 1964, 1959, 1953			
4150 West Division	1998, 1992, 1986, 1980, 1974, 1969, 1964, 1959, 1953			
4151 West Division	1998, 1992, 1986, 1980, 1974, 1969, 1964, 1959, 1953			
4200 West Division	2010, 2004, 1998, 1992, 1986, 1980, 1974, 1969, 1964, 1959, 1953			

**PIC West** Division/Haseltine Road Springfield, MO 65802

Inquiry Number: 2651136.5 December 07, 2009

## The EDR Aerial Photo Decade Package



440 Wheelers Farms Road Milford, CT 06461 800.352.0050 www.edrnet.com

## **EDR Aerial Photo Decade Package**

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

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## **Date EDR Searched Historical Sources:**

Aerial Photography December 07, 2009

## **Target Property:**

Division/Haseltine Road Springfield, MO 65802

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1970	Aerial Photograph. Scale: 1"=500'	Panel #: 2437093-B4/Flight Date: September 24, 1970	EDR
1975	Aerial Photograph. Scale: 1"=1000'	Panel #: 2437093-B4/Flight Date: January 20, 1975	EDR
1984	Aerial Photograph. Scale: 1"=1000'	Panel #: 2437093-B4/Flight Date: April 06, 1984	EDR
1985	Aerial Photograph. Scale: 1"=1000'	Panel #: 2437093-B4/Flight Date: February 28, 1985	EDR
1990	Aerial Photograph. Scale: 1"=750'	Panel #: 2437093-B4/Flight Date: February 17, 1990	EDR
1997	Aerial Photograph. Scale: 1"=750'	Panel #: 2437093-B4/Flight Date: March 20, 1997	EDR
2005	Aerial Photograph. 1" = 604'	Flight Year: 2005	EDR
2006	Aerial Photograph. 1" = 604'	Flight Year: 2006	EDR



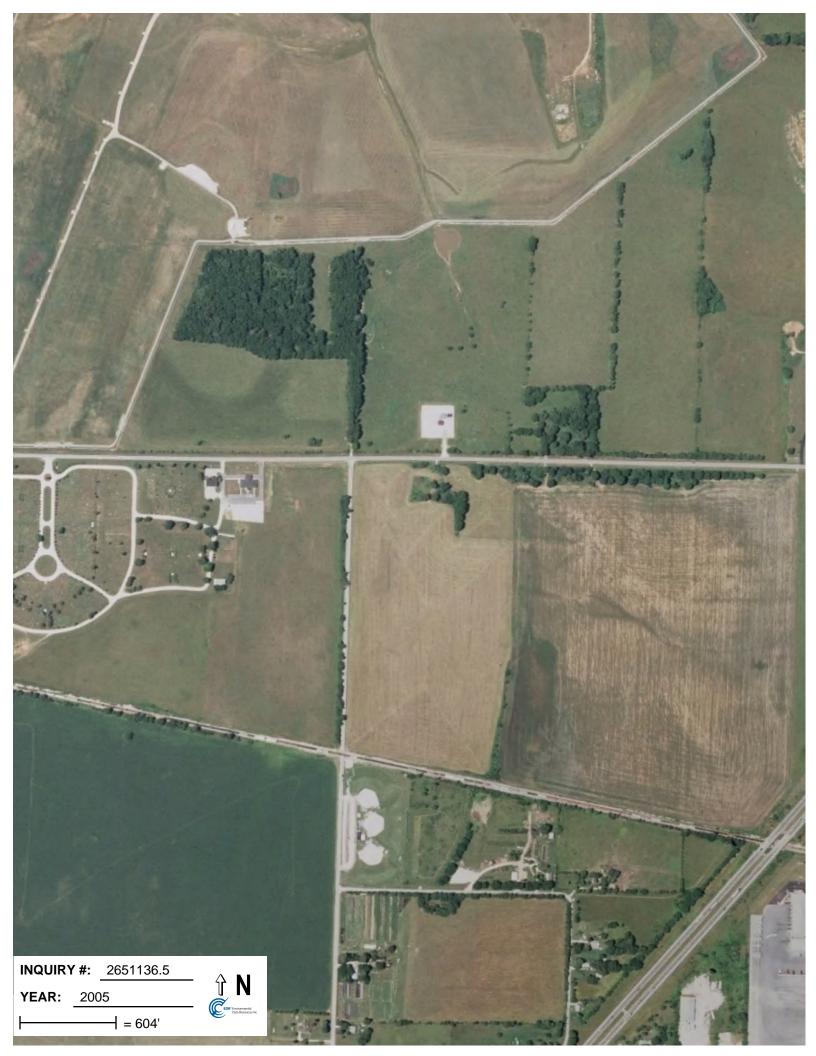














**PIC West** Division/Haseltine Road Springfield, MO 65802

Inquiry Number: 2651136.3 December 03, 2009

# **Certified Sanborn® Map Report**



440 Wheelers Farms Road Milford, CT 06461 800.352.0050 www.edrnet.com

# **Certified Sanborn® Map Report**

#### Site Name: PIC West Division/Haseltine Road Springfield, MO 65802

EDR Inquiry # 2651136.3

## Client Name: Midwest Environmental 2009 E. McCarty Street Jefferson City, MO 65109

3 Contact: Tommy Bieker



DR<sup>®</sup> Environmental Data Resources Inc

12/03/09

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Midwest Environmental were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

#### Certified Sanborn Results:

Site Name: Address: City, State, Zip: Cross Street:	PIC West Division/Haseltine Road Springfield, MO 65802
P.O. #	NA
Project:	CU
Certification #	1769-4786-8769

### UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.



Sanborn® Library search results Certification # 1769-4786-8769

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

Library of Congress
 University Publications of America
 EDR Private Collection

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**PIC West** Division/Haseltine Road Springfield, MO 65802

Inquiry Number: 2651136.4 December 03, 2009

# The EDR Historical Topographic Map Report



440 Wheelers Farms Road Milford, CT 06461 800.352.0050 www.edrnet.com

# **EDR Historical Topographic Map Report**

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

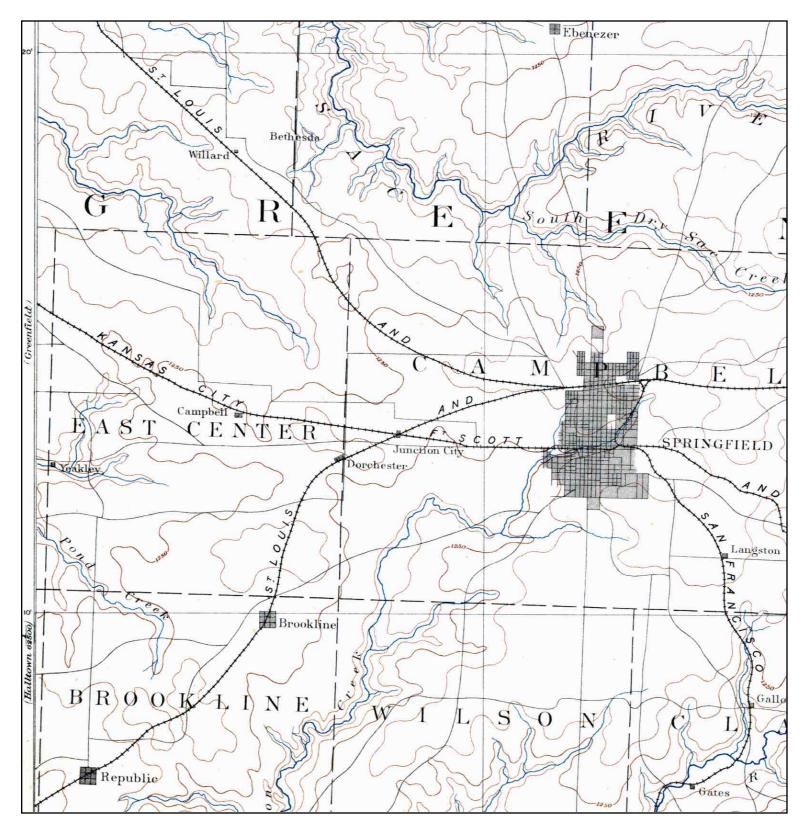
*Thank you for your business.* Please contact EDR at 1-800-352-0050 with any questions or comments.

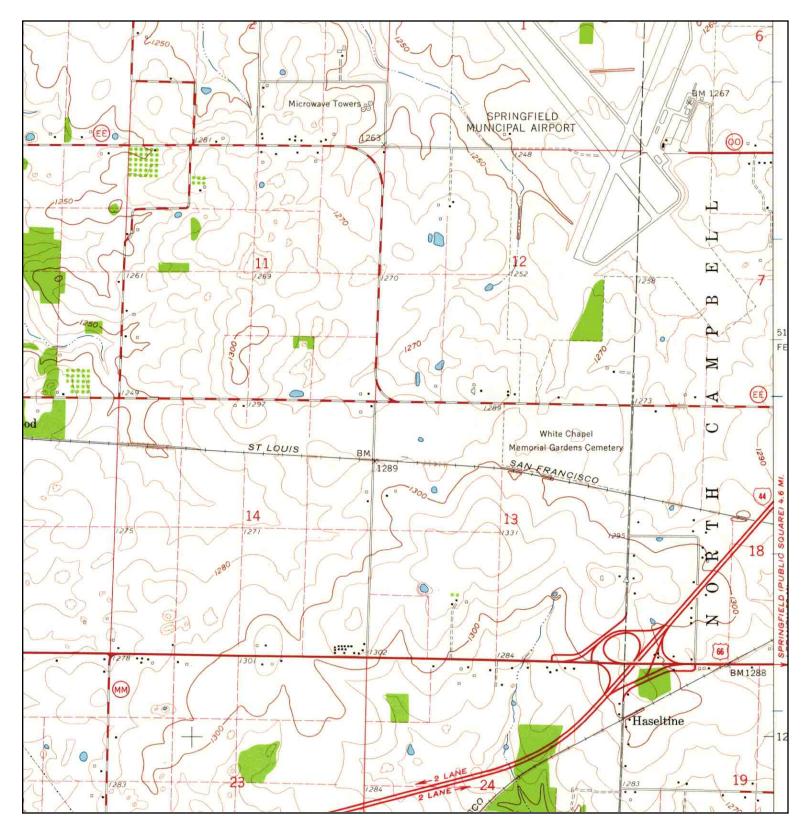
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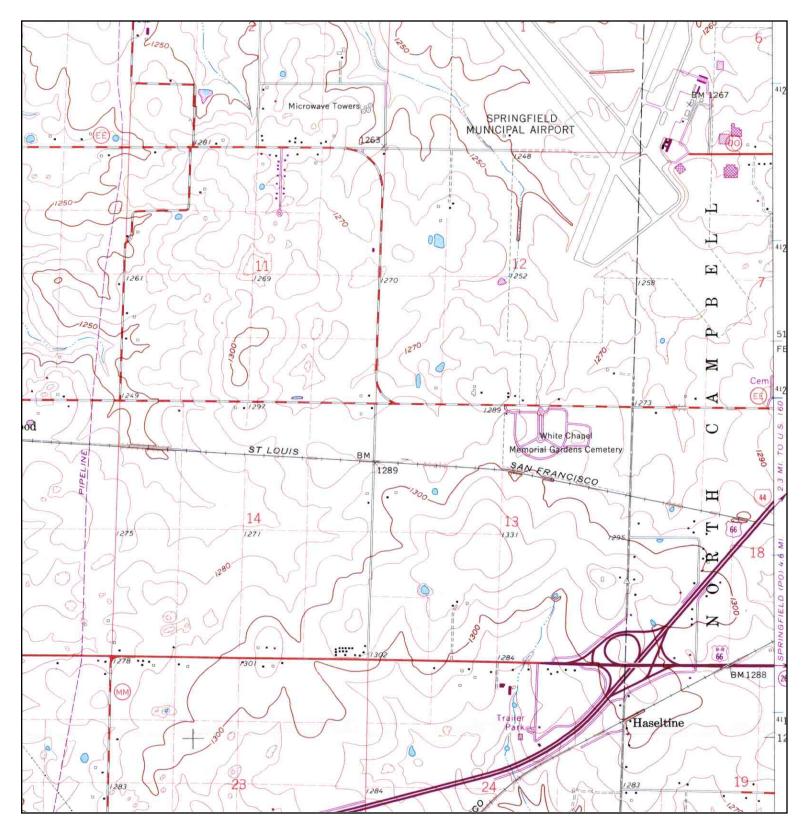
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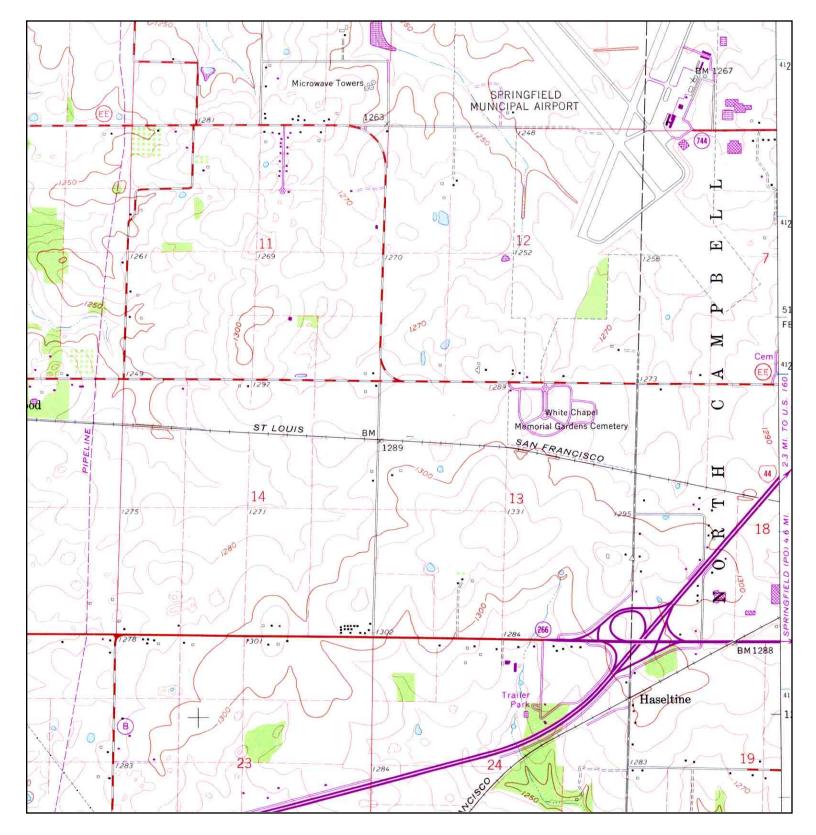
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TARGET QUAD SITE NAME: **PIC West** CLIENT: Midwest Environmental Ν NAME: BROOKLINE ADDRESS: **Division/Haseltine Road** CONTACT: **Tommy Bieker** MAP YEAR: 1960 Springfield, MO 65802 INQUIRY#: 2651136.4 LAT/LONG: 37.2261 / 93.384 **RESEARCH DATE: 12/03/2009** SERIES: 7.5 SCALE: 1:24000

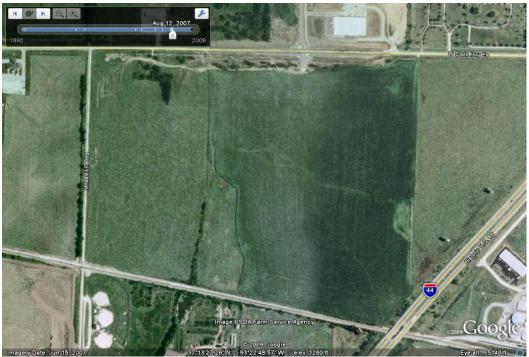




TARGET QUAD SITE NAME: **PIC West** CLIENT: Midwest Environmental Ν NAME: BROOKLINE ADDRESS: **Division/Haseltine Road** CONTACT: **Tommy Bieker** MAP YEAR: 1975 Springfield, MO 65802 INQUIRY#: 2651136.4 PHOTOREVISED FROM:1960 LAT/LONG: 37.2261 / 93.384 RESEARCH DATE: 12/03/2009 SERIES: 7.5 SCALE: 1:24000

Appendix 5

Property Photographs



1. Property – Satellite imagery from Google Earth.



2. Property – View from southern portion of The Property looking north-northwest across the retention basin.



3. Property – View from north portion of The Property on Highway EE looking southsouthwest across The Property.



4. Property – Railroad passing through the southern edge of The Property.



5. Property – Markers for water lines and venting pipe along Highway EE.



6. North adjoining property – Springfield Regional Airport RADAR system and north of that by the Springfield Regional Airport runway.



7. East adjoining property – FedEx Shipping Center.



8. South adjoining property – NorthStar Battery occupies the eastern portion of the south adjoining property.



9. South adjoining property – Players Softball Complex occupies the western portion of the south adjoining property.



10. West adjoining property – Undeveloped rural land occupies the property to the west.

Appendix 6

Qualifications of Environmental Professional

# William B. Lindsey, P.E.

Senior Project Manager

### Education

B.S. in Civil Engineering, University of Missouri – Columbia, 1978

M.S. in Civil Engineering, University of Missouri – Columbia, 1980

## Registration

Registered Professional Engineer, Missouri No. 20562 Kansas No. 17816, Arkansas No. 12103

40-Hour Health and Safety Training, 8-Hour Site Supervisor Training

# Affiliations

- American Society of Civil Engineers
- Missouri Society of Professional Engineers
- National Society of Professional Engineers
- Springfield Chamber of Commerce - Environmental Subcommittee

Mr. Lindsey has over 30 years of professional experience in the field of environmental engineering. He has worked with all major environmental regulatory programs including Underground Storage Tanks (USTs), RCRA, CERCLA/SARA (Superfund), the Clean Water Act, and the Clean Air Act Amendments. His experience includes environmental management and compliance, site characterization and cleanup of hazardous waste and petroleum sites, Due Diligence Phase I and II Environmental Site Assessments, Spill Prevention Control and Countermeasure (SPCC) plans and Facility Response Plans (FRP) for petroleum storage. He has completed permitting projects for air, stormwater, wastewater, and hazardous wastes.

Mr. Lindsey holds a patent for his Passive Adsorption Device for remediation of dense nonaqueous liquids (DNAPLs) in groundwater including chlorinated solvents such as Trichlorethylene (TCE) in karst geologic settings.

His industrial experience includes power utilities, municipalities, and a variety of manufacturing operations including boat manufacturing, concrete block and brick production, cardboard and card printing, truck body manufacturing, pulp and paper production, electrical motor production, fast food, hotels/motels, food and beverage facilities. He has managed characterization and clean-up of hazardous waste sites, environmental permitting, regulatory compliance management, and general civil engineering design. His hazardous waste site experience includes site assessments, data interpretation, conceptual designs, feasibility studies, and construction document preparation. Mr. Lindsey is knowledgeable in sampling procedures, laboratory analyses, health and safety plans and requirements, field and personal protective equipment.

## Environmental Management and Compliance Projects

Mr. Lindsey has developed the environmental management and compliance filing/documentation program for a number of industries and municipalities. For the City of Springfield, Missouri Mr. Lindsey directs the UST compliance program involving 20 underground storage tanks at 7 locations including compliance with requirements for monthly leak detection and cathodic protection monitoring and records, annual renewals of insurance and registration information, and responses to alarms for the system. For the Fulbright/Sac River Landfill Superfund sites, Mr. Lindsey developed the management program and documentation system to compliance with ongoing Operation and Maintenance requirements. For a box production facilities in Joplin, Missouri and Harrison, Arkansas, Mr. Lindsey completed a baseline compliance audit, identified shortcomings in Senior Project Manager

## **Publication and Presentations**

Evaluation of Innovative Technologies for Cleanup of a Convenience Store Site, presented at the 93<sup>rd</sup> Annual Air & Waste Management Association Annual Meeting & Exhibition, Salt Lake City, Utah, 2000.

Turning Inner City Industrial Land into a New Civic Park for Springfield, Missouri, presented at the 91<sup>st</sup> Annual Air & Waste Management Association Annual Meeting & Exhibition, St. Louis, Missouri, 1999.

Evaluation of Hydrophobic Adsorbents for DNAPL Removal, presented at the 90th Annual Air & Waste Management Association Annual Meeting & Exhibition, Toronto, June 1997.

Passive Adsorption for Remediation of DNAPLs in Groundwater, presented at the 89th Annual Air & Waste Management Association Annual Meeting & Exhibition, Nashville, Tennessee, June 1996.

"Air Noncompliance Issues for Industries," presented at the 25th Annual Missouri Waste Control Coalition Conference in Columbia, Missouri, August 1996.

"Common Regulatory Compliance Issues at Public Utility Companies," presented at the "8<sup>th</sup> Annual Regional Environmental Business and Management Conference & Expo-Beyond 2000, Organizing for Environmental Compliance," Colorado Hazardous Waste Management Society, Denver, Colorado, October 1994.

"New and Innovative Technologies for Characterization and Remediation of Manufactured Gas Plant Sites," presented at the 87th National Air & Waste Conference, Cincinnati, Ohio. June 1994

"Implementation of the Remedial Action at the Republic, Missouri Superfund Site," presented at the 87th National Air & Waste Conference, Cincinnati, Ohio.

"Remediation Technologies" section for the University of Missouri Extension Course "Project Management for the Hazardous Waste Professional" Two day seminar, February 1993. the existing management system, prepared a new compliance documentation system, and performs all aspects of environmental compliance for the facilities.

Mr. Lindsey has performed hundreds of environmental compliance audits to determine regulatory compliance with RCRA, SARA, CWA, CAA, OSHA, and TSCA at municipal, industrial, and manufacturing facilities. Representative facilities audited by Mr. Lindsey include coal-fired and natural gas-fired power plants, service centers, vehicle maintenance facilities and electrical substations for three separate utility companies, RCRA permitted Treatment, Storage, and Disposal (TSD) facilities for the Waste Site Inspection Group (WSIG), a consortium of Fortune 50 companies; an Environmental Compliance Evaluation audit of Naval Air Station Oceana, Virginia Beach, Virginia; a watch manufacturing facility in Arkansas; a private aircraft maintenance facility; underground mines, limestone quarries; equipment manufacturer; a fiberglass resin and epoxy manufacturer; multiple locations for a major food company; multiple locations for a greeting card production company; and an electrical motor producer.

## Permitting and Compliance Plans

Mr. Lindsey has successfully obtained air construction and operation permits; general and individual storm water, land disturbance, and wastewater permits, and prepared Stormwater Pollution Prevention Plans (SWPPPs) for a variety of industries located in Missouri, Kansas, Arkansas, and Nebraska. He has also completed numerous Spill Prevention, Control, and Countermeasure (SPCC) plans for petroleum storage tanks at a variety of facilities including utility power plants, quarries, asphalt plants, and utility service centers including work for Kansas City Power and Light and the Empire District Electric Company, and the University of Missouri properties.

### Petroleum Storage Tanks Management

Mr. Lindsey has completed numerous projects involving compliance, closure, site characterization and clean-up of leaking underground and above ground storage tanks sites. He has also been involved with identification of co-mingled plumes using petroleum fingerprinting. Work included work plans, soil and groundwater sampling, correction action plans, clean-up documentation reports, and coordination with state insurance trust funds and submittal of claims on behalf of clients for leaking USTs. Management of leaking UST sites in Missouri is now handled using Missouri Risk-Based Corrective Action (MRBCA) procedures. Mr. Lindsey has used Soil Vapor Extraction (SVE); Oxygen Release Compound (ORC), and EnVac - an innovative dual phase extraction technology for innovative technologies to remove free Senior Project Manager

Publication and Presentations

"Current and Future Trends in Management of Medical and Infectious Wastes", presented at the 85th Annual Air and Waste Management Association Conference, Kansas City, Missouri, June 1992

"Fate of TCE in a Municipal Sewer System and POTW", presented at the 1989 National Water Pollution Control Federation Conference, San Francisco, California, October 1989

"Considerations for Discharge of Contaminated Groundwater to a Municipal Sewer System and POTW", presented at the Hazardous Materials Control and Research Institute Conference - Superfund 1989, Washington, D.C., November 1989.

"Media Effects on Algal Growth Kinetics", Master Thesis, University of Missouri-Columbia, 1980. petroleum product from sites in Missouri and Kansas.

## Phase I and II Environmental Site Assessments/VCPs - Brownfields

Mr. Lindsey has completed hundreds of property transaction Environmental Site Assessments (Phase I and II ESA's) including industrial, commercial, and residential facilities including voluntary cleanup and brownfield sites. His work has included manufacturing properties, utility properties, hotel and motel properties, and fast food properties, , His work included 18 properties for Wendy's of Missouri, Inc.; 10 Phase I and 10 Phase II Environmental Assessments at 20 different locations in 13 states for a propane gas distributor acquisition, 17 pulp and paper mills for a major Fortune 50 property transaction; 15 corrugated box plants for a major Fortune 50 property transaction; over 100 railroad properties in six states, as well as numerous individual properties.

# Federal and State Superfund and RCRA Sites

Mr. Lindsey has completed projects for CERCLA, RCRA, and state Superfund sites including preparation of work plans, Remedial Investigation/Feasibility Studies, detailed clean-up plans, collection of soil and groundwater samples, and oversight of clean-up activities.

Representative projects include the Fulbright and Sac River Landfills in Springfield, Missouri – groundwater monitoring, design of streambank stabilization, design of regrading and access road improvements, and overall coordination with U.S. EPA (Region VII), the Missouri Department of Natural Resources (MDNR), and other Potentially Responsible Parties (PRP's); the feasibility study, related technical studies, Remedial Action design and implementation for the Republic, MO Superfund site; quarterly groundwater sampling for a confidential RCRA facility in southwest Missouri; a "flexible" Interim Remedial Measure for processing contaminated soil for the Arkwood Superfund Site in Omaha, AR, the Corrective Action Study Report per KDHE guidance and design of a shallow tray air stripper groundwater remediation system for a TCE release at a manufacturing facility in central Kansas; development and evaluation of remedial design alternatives for the Florence Land Recontouring Landfill NPL site in Florence, New Jersey; a groundwater interceptor trench to reduce brine movement into an adjacent river for an Amoco natural gas storage facility in St. Clair, Michigan; site sampling and a technology review of innovative technologies for the treatment of soils for persistent dioxin-containing compounds at the Wasatch Chemical Site in Salt Lake City; and operable unit feasibility studies/engineering evaluation/cost analyses (EE/CA's) for the Findett/HBRGW NPL site

near St. Charles, Missouri; the Dutchtown Oil Treatment NPL site, in Baton Rouge, LA, and the Ruston/Vashon Island NPL site in Tacoma. Field investigation experience at the following CERCLA, RCRA, or DOE sites: Oak Ridge, TN DOE facility; Dutchtown, LA NPL site; Florence, NJ NPL site; Bayou Bonfouca NPL site in Slidell, LA; Industrial Waste Corporation (IWC) NPL site near Ft. Smith, AR; TWA overhaul facility in Kansas City, MO; Allied (formerly Bendix) facility in Kansas City, MO.

#### Third Party Review of Environmental Conclusions/Recommendations

For Springfield Workshop, Inc., Springfield, MO, Mr. Lindsey suggested alternative clean-up actions for oil-stained surface soils and obtained competitive bids for asbestos work that saved the client over \$120,000. For Barbour Concrete, Independence, MO, Mr. Lindsey suggested alternative approaches to address the environmental issues identified in a Phase I EA that included completion of a UST closure report, and coordination of clean-up of diesel stained surface soils by Barbour's workers, saving the client over \$30,000.

### Landfill Closures

Design of a landfill closure using HDPE geomembrane and geosynthetic drainage materials for an existing municipal landfill located on an industrial facility's property, turnkey implementation of a voluntary closure of an existing municipal landfill located on an industrial facility's property, and closure design for an existing unpermitted landfill for a refractory brick and materials manufacturer in Missouri.