

**PHASE I ENVIRONMENTAL SITE ASSESSMENT  
FOR  
ACME POWER PLANT  
165 ACME ROAD  
SHERIDAN, SHERIDAN COUNTY, WYOMING**

Prepared for:

**U.S. ENVIRONMENTAL PROTECTION AGENCY**  
1595 Wynkoop St.  
Denver, CO 80202

Prepared by:

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U.S. EPA Work Assignment Manager	Bill Rothenmeyer

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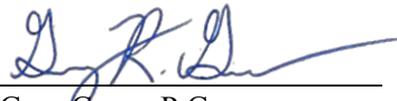
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Natalie Quiet  
START Project Manager and  
Environmental Professional

Date: 1/4/17

Reviewed and Approved by:



Greg Geras, P.G.  
START Task Order Manager and  
Environmental Professional

Date: 1/4/17

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## LIST OF ACRONYMS

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AAI	All Appropriate Inquiries
ACM	asbestos containing material
AOC	Area of Concern
ASTM	ASTM International
AUL	activity and use limitation
CFR	Code of Federal Regulations
CREC	controlled recognized environmental condition
EDR	Environmental Data Resources, Inc.
EP	Environmental Professional
EPA	United States Environmental Protection Agency
ESA	Environmental Site Assessment
HREC	historical recognized environmental condition
LBP	lead-based paint
N/A	Not Applicable
PCB	polychlorinated biphenyls
pCi/L	picocuries per liter
P.G.	Professional Geologist
REC	recognized environmental condition
SCCD	Sheridan County Conservation District
sq. ft.	square feet
START	Superfund Technical Assessment and Response Team
TBA	Targeted Brownfields Assessment
TDD	Technical Direction Document
WDEQ	Wyoming Department of Environmental Quality
WESTON	Weston Solutions, Inc.

## **SUMMARY**

The United States Environmental Protection Agency (EPA) tasked the Weston Solutions, Inc. (WESTON) Superfund Technical Assessment and Response Team (START) to assist the EPA in conducting a Phase I Environmental Site Assessment (ESA) at the Acme Power Plant located at 165 Acme Road, Sheridan (or Ranchester), Sheridan County, Wyoming (subject property). The Phase I ESA was conducted in accordance with Technical Direction Document (TDD) 0003/1609-07, *40 Code of Federal Regulations (CFR) Part 312 – Standards and Practices for All Appropriate Inquiries (AAI)*, and *ASTM International (ASTM) – Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process E1527-13*. Any exceptions to, or deletions from, this practice are described in Section 5 of this report.

Historic records indicate that the subject property formerly operated as a coal-fired power plant from approximately 1910 to 1964. Later, the plant was used for other commercial, but unregistered, purposes including car crushing/salvage operations and battery recycling activities. Currently, the property is abandoned and is being considered for redevelopment by the Sheridan County Conservation District (SCCD) and other partners. A Phase I ESA site visit was performed on December 2, 2016 by Mr. Greg Geras, P.G.

Based on the results of the Phase I ESA conducted on the subject property, the findings and conclusions in regards to the subject property are presented below:

- The Phase I ESA has not revealed evidence of historical recognized environmental conditions (HRECs) in connection with the subject property.
- The Phase I ESA has not revealed evidence of controlled recognized environmental conditions (CRECs) in connection with the subject property.
- The Phase I ESA has revealed evidence of six recognized environmental conditions (RECs) in connection with the subject property.
  - Existing Stained Surface Soils and Stressed Vegetation – Multiple areas of petroleum stained surface soils and stressed vegetation were observed throughout the property in areas where previous site activities (e.g. car crushing) have occurred, around drums, and various debris areas.
  - Drum Storage Areas – Multiple areas of 55-gallon drums are located on the subject property. In particular, one area of approximately 50 drums are being stored in an area behind the power plant (adjacent to the exterior northern wall of the former power plant) and approximately 20 feet from the Tongue River channel. Approximately 40 of the drums are believed to be full. As many of the drums are not labeled, actual drums contents are not known, but are believed to be various petroleum products (e.g., used oil, hydraulic oil, etc.), automotive fluids (e.g., anti-freeze), and possibly solvents (e.g., paint thinner).

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- Previous Undocumented Activities – Though no documentation is available regarding past operations, multiple sources reported car crushing and battery recycling occurred at the subject property. As these activities were not conducted by formal registered businesses, there is uncertainty regarding operational practices (e.g., waste generation and disposal).
- Transformer Spill of PCB-containing Oil – According to an interview conducted, a former pad mounted transformer leaked potential PCB-containing oil onto the surrounding soils.
- Coal Ash Pile – A significantly large coal ash pile is present on the north side of the property and adjacent to the Tongue River. There is the potential for heavy metals and mercury to be present in the coal ash.
- Historic Coal-Fired Power Plant Operations – As a result of the former coal-fired power plant operations, there is the potential for coal and coal byproducts in the form of solids and airborne particulates to have been deposited in surface soils across the subject property during historic operations. Due to the duration of operations (approximately 57 years) and period of operations (from 1910s until late-1960s or early-1970s), there is the potential for coal and coal ash containing heavy metals and mercury to be present in surface soils throughout the subject property.
- The Phase I ESA has revealed evidence of non-scope considerations in connection with the property.
  - 1) Due to the age of the buildings, there is the potential for asbestos-containing materials (ACM), lead-based paint (LBP), mercury-containing thermostat switches and light fixtures, and potential polychlorinated biphenyls (PCBs)-containing equipment to be present at the subject property.
  - 2) The presence of mold was observed in various locations throughout the former power plant building.

Based on the results of the Phase I ESA, the following table contains a summary of known/potential contaminants, known/potential contaminant sources identified, and the matrices of concern for the subject property.

<b>Known/Potential Contaminant(s)</b>	<b>Known/Potential Source(s) Identified</b>	<b>Matrix</b>
Petroleum Related Contaminants	Potential impacts in areas throughout the subject property and around drums.	Soils and Groundwater
PCBs	Potential impacts in area of the former pad mounted transformer.	Soils and Groundwater
Heavy Metals and Mercury	Potential impacts in areas throughout the subject property.	Soils, Groundwater, Surface Water, and Sediment
Asbestos	Potential impacts in areas throughout the subject property.	Soils

<b>Known/Potential Contaminant(s)</b>	<b>Known/Potential Source(s) Identified</b>	<b>Matrix</b>
ACM and LBP	Potential ACM and LBP in all buildings/structures	Hazardous Building Materials
Mercury	Potential mercury-containing light fixtures	Light Fixtures
Mold	Known mold present in the former power plant building. Potential mold in brick storage building and mobile trailers that were not able to be visited during the site reconnaissance.	Hazardous Building Materials

Based on the findings and conclusions of the Phase I ESA, START recommends the following:

- Conduct a Phase II ESA to investigate the presence and/or extent of impacts to surface soils, sub-surface soils, sediment and groundwater at the subject property as a result of past activities.
- Conduct ACM and LBP surveys at the subject property prior to redevelopment.
- Conduct surveys to determine presence of potential mercury and PCB containing equipment at the subject property.
- Conduct drum characterization activities to verify and/or determine drum contents prior to disposal.

This Summary is intended to be a general description of the RECs, CRECs, HRECs, and non-scope considerations, and summary of results, conclusions, and recommendations identified as a result of the Phase I ESA conducted on the subject property by START. However, this section is not intended to be a “stand alone” document or to include the basis of all conclusions presented. The report should be read and used in its entirety. Information included in this section is subject to the scope of services and limitations noted in the original TDD and the complete report.

## 1.0 INTRODUCTION

### 1.1 SCOPE OF WORK AND PURPOSE

The Weston Solutions, Inc. (WESTON) Superfund Technical Assessment and Response Team (START) conducted a Phase I Environmental Site Assessment (ESA) at 165 Acme Road, Sheridan (or Ranchester), Sheridan County, Wyoming (subject property). The ESA was conducted in accordance with Technical Direction Document (TDD) 0003/1609-07, *40 Code of Federal Regulations (CFR) Part 312 – Standards and Practices for All Appropriate Inquiries (AAI)*, and *ASTM International (ASTM) – Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process E1527-13*. The purpose of a Phase I ESA is to identify the following: (1) recognized environmental conditions (RECs), historical recognized environmental conditions (HRECs), controlled recognized environmental conditions (CRECs), and non-scope considerations associated with the historical and current uses of the property; (2) recognized physical conditions of buildings and adjacent grounds; and (3) recognized present operational practices.

*ASTM E1527-13* defines RECs as follows:

*[ ... ] the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not recognized environmental conditions.*

*ASTM E1527-13* defines HRECs as follows:

*[ ... ] a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).*

*ASTM E1527-13* defines CRECs as follows:

*[ ... ] a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by a regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).*

ASTM E1527-13 defines Non-Scope Considerations as follows:

*[ ... ] environmental issues or conditions at a property that parties may wish to assess in connection with commercial real estate that are outside the scope of this practice (the non-scope considerations). [...] some substances may be present on a property in quantities and under conditions that may lead to contamination of the property or of nearby properties but are not included in CERCLA's definition of hazardous substances (42 U.S.C. §9601(14)) or do not otherwise present potential CERCLA liability. In any case, they are beyond the scope of this practice. [...] Whether or not a user elects to inquire into non-scope considerations in connection with this practice or any other environmental site assessment, no assessment of such non-scope considerations is required for appropriate inquiry as defined by this practice.*

A Phase I ESA consists of four general components: (1) a records review; (2) a site reconnaissance; (3) interviews; and (4) a report. The first three are conducted to identify environmental conditions related to the subject property. This Phase I ESA report provides the results of the first three components and fulfills the fourth.

The Phase I ESA portion of this assessment report contains the results of interview(s) of knowledgeable persons (if available); a reconnaissance of the subject property and surrounding properties (dates provided in each section); and a review of property, government, and historical records. Information used to complete this Phase I ESA was reasonably ascertainable and visually and physically observable. The Phase I ESA portion of this report did not include any testing or sampling of materials (e.g., soil, water, sediment, building materials, etc.).

## **1.2 SPECIAL TERMS AND CONDITIONS**

This document has been prepared by START (Assessor) as tasked by the United States Environmental Protection Agency (EPA) for the use and benefit of the following entities: Sheridan County Conservation District (SCCD) (User) and the EPA. Any use of this document or information herein by persons or entities other than the EPA and User, without the express written consent of START, will be at the sole risk and liability of said person or entity. START will not be liable to the EPA, or such persons or entities, for any damages resulting therefrom. It is understood that this document may not include all information pertaining to the described subject property.

## **1.3 LIMITATIONS AND EXCEPTIONS OF PHASE I ASSESSMENT**

ASTM E1527-13 (Section 4.5.1) acknowledges that “No environmental site assessment can wholly eliminate uncertainty regarding the potential for recognized environmental conditions in connection with a property.” The ESA “ [ ... ] is intended to reduce, but not eliminate, uncertainty regarding the potential for recognized environmental conditions in connection with a property, and this practice

recognizes reasonable limits of time and cost.” Furthermore, the *ASTM E1527-13* (Section 4.5.2) states that “There is a point at which the cost of information obtained or the time required to gather it outweighs the usefulness of the information and, in fact, may be a material detriment to the orderly completion of transactions.”

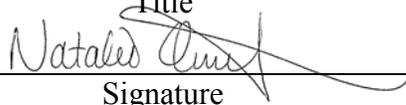
#### 1.4 PERSONNEL PERFORMING ESA AND QUALIFICATIONS

This ESA was completed by the following START personnel; qualifications are provided at the end of the report:

- Ms. Natalie Quiet, Senior Scientist and Environmental Professional (EP);
- Mr. Greg Geras, Professional Geologist (P.G.) and EP; and
- Mr. Michael Cherny, Scientist.

Ms. Natalie Quiet and Mr. Greg Geras, P.G. conducted the work on this Phase I and are considered EPs as defined by 40 CFR Part 312.10 and have undertaken the inquiry as defined in 40 CFR part 312.21 (b). The following is the Environmental Professional certification:

*I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in 40 CFR Part 312.10 of this part. 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 inquires in conformance with the standards and practices set forth in 40 CFR part 312.*

Natalie Quiet  
\_\_\_\_\_  
Certifying Environmental Professional (Print)  
Project Manager  
\_\_\_\_\_  
Title  
  
\_\_\_\_\_  
Signature  
1/4/2017  
\_\_\_\_\_  
Date

#### 1.5 USER RESPONSIBILITIES

Section 6 of *ASTM E1527-13* outlines the following responsibilities of the user of a Phase I ESA to assist in the identification of potential RECs, HRECs, and/or CRECs:

- Communication to the EP, by the user, of information relative to any environmental cleanup liens filed or recorded under federal, tribal, state or local law of which the user is aware (Section 6.1 and 6.4).

*The User informed START that it is not aware of any such liens.*

- Communication to the EP, by the user, of information relative to any activity and use limitations (AULs) such as engineering controls, land use restrictions or deed restrictions, etc., that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state, or local law of which the user is aware (Section 6.2).

*The User informed START that it is not aware of any such restrictions.*

- Communication to the EP, by the user, of any specialized knowledge or experience, or other information that might be material to the identification of RECs (Section 6.3).

*The User informed START that there is a coal ash pile present and they have observed asbestos in the coal plant building, drums with unknown contents, and gasoline cans present on the subject property.*

- Communication to the EP, by the user, if the user believes the purchase price of the property is lower than the fair market due to contamination (Section 6.5).

*The User informed START that the purchase price is lower than the fair market value for the subject property.*

- Communication to the EP, by the user, of any commonly known or reasonably ascertainable information within the local community about the property that is material to the identification of RECs (Section 6.6).

*The User informed START that they are aware of known persons within the community with historical knowledge that are available for interviews.*

- Communication to the EP, by the user, of the obviousness of the presence or likely presence or threatened releases at the property of which the user is aware, that might be material to the identification of RECs (Section 6.7).

*The User informed START that it is aware of the presence of a coal ash pile, friable asbestos in the coal plant building, drums with unknown contents, abandoned vehicles, gasoline cans, and that oil, solvents and other associated waste fluids are possible at the subject property.*

## 1.6 DISCLAIMERS

START has performed this Phase I ESA in conformance with the scope and limitations of the ASTM standard and TDD 0003/1609-07. The information from the site reconnaissance is based on the conditions existing on the date of START's visit to the property. The findings and conclusions presented herein are professional opinions based solely on visual observations of the facility and vicinity, and interpretation of information provided or reasonably available to START. Past conditions were considered on the basis of observations, readily available records, interviews, and recollections.

START does not warrant or guarantee information obtained from third parties contained in the environmental record sources and recollections used for this assessment are correct, complete, and/or current. Such information is the product of independent investigation by parties other than START and/or information maintained by government agencies.

START did not collect samples or perform any testing during the subject property visit. It is possible that past contamination remains undiscovered or that property conditions will change in the future. START does not warrant or guarantee the property suitable for any particular purpose or certify the property as “clean.”

Information, limitations, and disclaimers provided in this general section apply to all remaining sections included in this report.

## 2.0 PROPERTY DESCRIPTION

### 2.1 PROPERTY DESCRIPTION, LOCATION, AND PROPERTY HISTORY

<b>Facility Name</b>	Acme Power Plant
<b>Address</b>	165 Acme Road, Sheridan (or Ranchester), Wyoming, 82839
<b>Size of property (acres)</b>	5.8 acres
<b>Latitude/Longitude</b>	44.9130110° / -106.9878390°
<b>Site and Vicinity General Characteristics</b>	The subject property is zoned as commercial/industrial and is surrounded by agricultural use areas in Ranchester and Sheridan, Wyoming (See Figure 1 – Site Location Map and Figure 2 – Site Vicinity Map).
<b>Property Description</b>	Historically the property was used as a coal-fired electric power plant and later for various commercial operations including car crushing and auto salvage operations, and battery recycling activities. The Tongue River runs through the northern side of the property, which contains one large brick building, a brick storage warehouse, a metal garage, a modular trailer and several mobile trailers. There is also a large amount of various types of debris on the property. On the north edge of the property and on the north bank of the Tongue River lies a portion of the power plant’s associated coal ash pile.
<b>Size of building(s)</b>	Storage warehouse – 16,553 square feet (sq. ft.) Storage warehouse – 1,440 sq. ft. Equipment shed – 2,112 sq. ft.
<b>Construction date of building(s)</b>	Power plant was constructed in 1910
<b>Renovation dates and description (if applicable)</b>	Additions to the power plant were constructed in 1947 and 1953.
<b>Building(s) description</b>	Power plant is a brick structure, a brick storage warehouse, modular trailer, several metal mobile trailers, and metal storage shed are present.
<b>No. of employees</b>	N/A
<b>Owned or leased</b>	Owned by Diversified Resources, LLC (Dianne Culhane)
<b>Current property operations</b>	Abandoned
<b>Date current operations commenced at facility</b>	N/A
<b>Legal description(s)</b>	Parcel 57841530000333 Legal: T57N R84W SEC 15 N SW PT ACME POWER PLANT 5.8 ACRES

<b>Summary of Current and Previous Property Uses and Dates of Operation</b>	
Based on interviews and/or internet searches, review of available topographic maps, aerial photos, historic city directories, and/or previous environmental reports, the history of the subject property is as follows:	
Start – End	Description
1910	Acme Power Plant is constructed and provides power for the mines, the coal-camps, Fort Mackenzie, Sheridan and the streetcar system.
1947 and 1953	Additions completed for power plant.
~1977 – Present	Property used for other commercial purposes and then abandoned.

## 2.2 SURROUNDING PROPERTIES

Surrounding properties are shown on Figure 2 and site visit photographs are provided in Appendix A. A summary of the surrounding properties, as observed during the December 2, 2016 site reconnaissance, is provided in the table below.

Direction	Description
<b>North</b>	Adjacent to the north of the subject property is the coal ash pile from the power plant. Farther north is agricultural land and/or open space.
<b>East</b>	Adjacent to the east of the subject property is open space and the Tongue River. Farther east is the confluence of Goose Creek and the Tongue River, the Big Horn Coal Company and associated former coal strip mine.
<b>South</b>	Adjacent to the south of the subject property is the former Burlington Northern railroad spur, the former Acme water tower, and open space. Farther south is Goose Creek, the former Acme town site, and a former coal strip mine.
<b>West</b>	Adjacent to the west of the subject property is a road to a bridge that crosses the Tongue River and open space. Farther west is the Tongue River.

### 3.0 RECORDS REVIEW

#### 3.1 PREVIOUSLY PREPARED ENVIRONMENTAL REPORTS AND RECORDS

The following table lists the previous environmental reports and records obtained by START from various sources, including the EPA, Targeted Brownfields Assessment (TBA) recipient, and/or local agencies, for review with pertinent information relating to the subject property. A brief summary of the report or record reviewed is provided along with a summary of how this information obtained specifically relates to the subject property. A reference listing, including assessment for the quality of secondary data, is provided in Section 7. A copy of the document, if available, is presented in Appendix L.

Document Reviewed	Description
<p><b>Document:</b> TBA Application  <b>Prepared for:</b> EPA  <b>Prepared by:</b> SCCD  <b>Date:</b> 2016  <b>Report Source:</b> EPA</p>	<p><b>Document Summary:</b> The application gives brief summaries of site background information and environmental conditions at the subject property (including potential contaminants). The application also provides contact names(s) and phone numbers for stakeholders, and potential redevelopment foundation.</p> <p><b>Information Relating to the Subject Property:</b> The property was historically utilized as a coal-fired power plant for the Acme Mine between 1910 and 1964. Following the closure of the plant, the property was repurposed for other various commercial operations, including car crushing, salvage operations, and battery recycling activities before being abandoned. SCCD is interested in acquiring the property and cleaning it up as part of conservation for the Tongue River Watershed. The intent is to clean up the site so that it can be used for recreational purposes including access to the Tongue River, picnicking, bird watching, hiking, etc. Although exact redevelopment plans are unknown, the subject property is an ideal area for recreational and green space uses.</p>

Document Reviewed	Description
<p><b>Document:</b> Former Acme Power Plant, Assessment and Cleanup Alternatives Report, Sheridan County, Wyoming  <b>Prepared for:</b> SCCD  <b>Prepared by:</b> Trihydro Corporation  <b>Date:</b> October 14, 2015  <b>Report Source:</b> SCCD</p>	<p><b>Document Summary:</b> The report evaluates the options and feasibility of conducting assessment and cleanup activities at the subject property, as applicable. Additionally, the Report evaluates potential partnership opportunities and property ownership options that could be considered if assessment/cleanup activities are pursued at the subject property.</p> <p><b>Information Relating to the Subject Property:</b> The report indicates that the property is owned by Diversified Resources LLC, which is listed as an “Inactive-Administratively Dissolved” entity. It indicated owner John Culhane passed away in 2015. It indicates the former Acme Power Plant was a coal-fired power plant that supplied power to the Acme Mine and surrounding area. The power plant was constructed in 1910, with additions to the plant in 1947 and 1953. After the power plant ceased operation, the site was used for other commercial operations, including but not limited to, car crushing and battery recycling activities. The Site is currently abandoned and not being utilized for commercial or industrial purposes. There was a caretaker living fulltime at the site who resided in a modular home, but details on the number of people and animals living at there were unknown. Because the site is located in an area used for recreational activities, there could potentially be trespassers accessing the site for hunting, hiking, exploring the historical mining area, or accessing the river. In addition to the historic structures associated with the mine and power plant, other potential items of concern located on the property include ACM in the building, drums with unknown contents, a coal ash pile across the river, abandoned vehicles, and potentially residual waste products (e.g., used oil, fuel, generator waste, solvents, etc.). The Site is surrounded by property owned by the Padlock Ranch Company, Big Horn Coal Company (c/o Ambre Energy), and State Lands. Future recreational Site uses could include fishing and boating access to the Tongue River, as well as picnicking, birdwatching, hiking, solitude, and other passive uses. The area around the Site is frequently used for hunting, fishing, and river floating, and the Site could provide future enhanced access for these uses. Additionally, the Site is located within the historic Sheridan County Mining District, and could be included as a point of interest on the existing Black Diamond Interpretive Trail. The report ultimately recommended the SCCD submit a TBA grant application to the U.S. EPA Region 8 for a Phase I and Phase II ESA for the subject property.</p>

### 3.2 STANDARD ENVIRONMENTAL RECORD SOURCES

For the subject property, START relied on the following reports provided by Environmental Data Resources, Inc. (EDR) for information:

- *The EDR Radius Map™ Report with GeoCheck® (The Radius Report)* - An electronic search of the standard and most current environmental record sources. This report contains certain information obtained from a variety of public and other sources reasonably available to EDR. A copy of the report is provided as Appendix B.
- *The EDR Aerial Photo Decade Package* - Aerial photographs are provided for the subject property and are included in Appendix D.
- *EDR Historical Topo Map Report with QuadMatch™* - Topographic maps are provided for the subject property and are included in Appendix E.

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- *The EDR-City Directory Image Report* - The report is generally a summary of information from city directories reviewed at approximately 5-year intervals. A copy of the city directory report is provided as Appendix F.
- *The EDR Certified Sanborn® Map Report* – Sanborn maps were provided for the subject property. A copy of the Sanborn map report is provided as Appendix G.
- *EDR Environmental LienSearch™ Report* - As part of the records search, EDR provides a search for any available current land title records. A copy of the report is provided in Appendix H.
- *The EDR Property Tax Map Report* - As part of the records search, EDR provides a search for property taxes. A copy of the property tax map report is provided in Appendix I.
- *EDR Building Permit Report* - As part of the records search, EDR provides a search for building permits. A copy of the report is provided in Appendix J.
- *The EDR Chain of Title Report* - As part of the records search, EDR provides a search for property deeds. A copy of the report is provided in Appendix K.

### **Subject Property Database Listing Summary**

*The EDR Radius Map™ Report* did not identify the subject property as listed in any of the searched databases.

### **Adjacent and/or Surrounding Property Database Listing Summary**

*The EDR Radius Map™ Report* did not identify any sites located within one mile of the subject property.

## **3.3 ORPHAN SITES SUMMARY**

The Orphan Sites summary included in *The Radius Report* is a listing of site(s) that could not be mapped by EDR due to insufficient addresses; none were identified.

## **3.4 LOCAL GOVERNMENT AND/OR PRIVATE INQUIRIES**

Requests for information regarding the subject property and/or surrounding properties were submitted to the following agencies:

- Sheridan County Local Government – START contacted the following local government agencies via email or phone on November 28, 2016:
  - Public Health
  - Sheriff's Office
  - Sheridan Area Rural Fire Protection District

No responses were received from any of the local agencies contacted.

- Wyoming Department of Environmental Quality (WDEQ) – START contacted the WDEQ via an internet submission form on November 28, 2016. No records were found for the subject property. Additionally, START reviewed the Statewide CAFO Permits, SPILLS, Voluntary Remediation Site, Storage Tanks Site, Solid Waste, and All Solid and Hazardous Waste Division Facilities Lists prior to submitting a records request, but no records were found for the subject property or surrounding properties.

A summary of the information obtained from relevant file/records reviewed, if any, are presented in Section 3.1. Copies of the inquiry letters are included in Appendix L.

### 3.5 WATER AND OIL/GAS WELL SUMMARY

Information regarding area wells, including water supply wells and groundwater monitoring wells, as well as oil and natural gas wells, was provided by EDR. The identified wells are shown on the Physical Setting Source Map in *The Radius Report*, included as Appendix B. One USGS well was identified within 1/8-mile of the subject property and one USGS well was identified within 1/4-mile of the subject property. A total of one USGS and 53 state listed wells were identified within 1-mile of the subject property. No oil & gas wells were identified in *The Radius Report*. A list of all wells within a one-mile radius of the subject property is provided in Appendix B.

### 3.6 PHYSICAL SETTING

Setting	Description
<b>Topography</b>	According to <i>The Radius Report</i> , the elevation of the subject property is 3,634 feet above mean sea level and the general topographic gradient is toward the southeast (EDR 2016a).
<b>Soil</b>	According to <i>The Radius Report</i> , the surficial soil component at the subject property is Haverdad. Haverdad is well drained stratified sandy loam to clay loam, with moderately coarse textures and moderate infiltration rates (EDR 2016a).
<b>Geology</b>	The geologic age identification category is Continental Deposits. The continental deposits at the subject property are dated to the Cenozoic era, Tertiary system, and Paleocene series (EDR, 2016a).
<b>Groundwater</b>	According to <i>The Radius Report</i> , the general topographic gradient is to the south; however, the subject property is on the south bank of the Tongue River and groundwater well measurements reviewed for wells in the surrounding area and near the subject property indicate groundwater flows north towards the river. A review of groundwater well measurements for these wells indicates groundwater is encountered approximately between 3 and 13 feet below ground surface (ft bgs)(EDR 2016a).
<b>Wetlands</b>	There are National Wetland Inventory wetlands identified in <i>The Radius Report</i> along the Tongue River on the subject property. These wetlands are also present within 1-mile to the east and west of the subject property and within 1/2-mile to the south of the subject property (EDR 2016a).
<b>Surface Water</b>	The Tongue River is present on the subject property. The subject property is also located in a 100-year flood zone (EDR, 2016a).

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### 3.7 VAPOR ENCROACHMENT SCREENING

In conjunction with the Phase I ESA, a Tier I vapor encroachment screening (VES) method (ASTM E-2600 Section 8) was applied to the subject property and within the Area of Concern (AOC) to determine if vapor encroachment conditions (VEC) existed at the subject property. Information obtained as part of the Phase I ESA was utilized in the VES conducted.

Based on the results of the Tier 1 VES conducted, including consideration of the planned use, future structures of the target property, and known/potential COCs associated with the subject property and/or surrounding properties, it was determined that a VEC does not exist. This conclusion was reached based upon the site-specific information available. Additional information regarding the VES conducted is presented in Appendix C.

### 3.8 AERIAL PHOTOGRAPH REVIEW

Aerial photographs were provided by EDR (EDR, 2016b). Due to the scale and poor quality of some aerial photographs, observable site specific details are limited for some years. Copies of the aerial photographs are included in Appendix D. The review is summarized in the following table:

Year	Source	Description Based on Aerial Photographs
1963	USGS	<u>Subject Property</u> : The subject property appears to be developed; however, due to the poor quality of the aerial photograph, exact details are not discernable. <u>Surrounding Properties</u> : The town site of Acme located south of the subject property appears to be developed. There appears to be a railroad spur running south of the subject property. There also appears to be active strip mines to the east and south of the subject property.
1967	USGS	<u>Subject Property</u> : The subject property appears to be developed with a large building (power plant), conveyor crossing the Tongue River, and coal ash pile on the north side of the Tongue River. <u>Surrounding Properties</u> : The railroad spur running south of the subject property appears to have been removed.
1977	USGS	<u>Subject Property</u> : Poor image quality; however, no obvious changes were observed from the previous aerial photograph. <u>Surrounding Properties</u> : Poor image quality; however, it appears that the Tongue River has been diverted into the strip mine workings to the east of the subject property and both mine workings to the east and south have significantly increased in size.
1980	USGS	<u>Subject Property</u> : Poor image quality; however, no obvious changes were observed from the previous aerial photograph. <u>Surrounding Properties</u> : Poor image quality; however, it appears that the Tongue River has been rerouted out of the strip mine workings and back into its original flow path to the east of the subject property. The mine workings to the east appear to have increased in size to the north and the mine workings to the south have decreased in size. There also a building present east-southeast of the subject property located on the strip mine workings.

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Year	Source	Description Based on Aerial Photographs
1989	USGS	<p><u>Subject Property:</u> Poor image quality; however, it appears that there are two additional buildings present on the subject property.</p> <p><u>Surrounding Properties:</u> Poor image quality; however, it appears that the strip mine operations to the northeast and south have decreased in size. It appears the Acme water tower is present adjacent south of the subject property. There also appears to be two structures present adjacent to the west of mine operations on the north side of the Tongue River located east of the subject property.</p>
1996	USGS/DOQQ	<p><u>Subject Property:</u> The power plant, a mobile home trailer, and two additional buildings are observed to be present on the subject property. There also appears to be some type of conveyor or piece of equipment bridging the Tongue River from the power plant to the coal ash pile on the north side of the river.</p> <p><u>Surrounding Properties:</u> The town site of Acme is observed to have been abandoned and the structures removed. The structure located adjacent to the west of mine operations on the north side of the Tongue River located east of the subject property is observed to be present.</p>
2006	USDA/NAIP	<p><u>Subject Property:</u> In addition to the buildings observed in the previous aerial photograph, a mobile trailer and several automobiles are observed to be present on the subject property. It appears the conveyor or piece of equipment bridging the Tongue River from the power plant to the coal ash pile on the north side of the river has been removed or moved.</p> <p><u>Surrounding Properties:</u> Strip mine operations to the east and south of the subject property are observed to have retreated.</p>
2009	USDA/NAIP	<p><u>Subject Property:</u> It appears that several more mobile trailers are present on the subject property. In addition, it appears that there is a significant amount of large debris present. It appears the conveyor or piece of equipment bridging the Tongue River from the power plant to the coal ash pile on the north side of the river has been moved to the south bank of the river.</p> <p><u>Surrounding Properties:</u> No obvious changes were observed from the previous aerial photograph.</p>
2012	USDA/NAIP	<p><u>Subject Property:</u> It appears that the automobiles have been removed and there is less large debris present.</p> <p><u>Surrounding Properties:</u> No obvious changes were observed from the previous aerial photograph.</p>

### 3.9 TOPOGRAPHIC MAP REVIEW

Topographic maps were provided by EDR (EDR, 2016c). Copies of the topographic maps are included in Appendix E. The topographic maps were reviewed to evaluate development on the subject property and adjacent properties. The review is summarized in the following table:

Year	Description Based on Topographic Maps
1909	<p><u>Subject Property</u>: The subject property appears to be undeveloped in a rural area.</p> <p><u>Surrounding Properties</u>: There is a building just east of the subject property and several buildings in the area to the north, east and south of the subject property. The railroad to the south of the subject property is present along with a small depression between the road and railroad. There are a group of buildings/houses and/or a small community present to the far south located on a railroad spur.</p>
1911	<p><u>Subject Property</u>: No obvious changes were observed from the previous topographic map.</p> <p><u>Surrounding Properties</u>: No obvious changes were observed from the previous topographical map.</p>
1978	<p><u>Subject Property</u>: The subject property appears to be developed with one large building structure and the conveyor crossing the Tongue River.</p> <p><u>Surrounding Properties</u>: There is a railroad spur and the town site of Acme present to the south of the subject property. There are areal strip mines present to the east and south of the subject property with a radio tower present to the southeast. The Tongue River and Goose Creek have been diverted into the strip mine to the east. The town site of Kleenburn is present to the far southwest.</p>
2012	<p><u>Subject Property</u>: Building locations are not presented on this topographical map; however, the conveyor from the power plant across the Tongue River is present. The railroad spur to the south of the subject property and those present in Kleenburn are no longer present.</p> <p><u>Surrounding Properties</u>: Building locations are not presented on this topographical map; however, there are several additional roads present within the strip mining areas to the east-northeast, east, and southeast of the subject property and the Tongue River has been returned to its original flow path and is no longer diverted through the strip mine to the east.</p>

### 3.10 CITY DIRECTORY

*The EDR-City Directory Image Report* (EDR, 2016d) was reviewed for the subject property, as well as surrounding properties for which listed names indicate a potential source of environmental impacts, if present. No city directories were identified for the subject property address. A copy of *The EDR-City Directory Image Report* is included in Appendix F.

### 3.11 SANBORN MAP REVIEW

START reviewed *The EDR Certified Sanborn® Map Report* (EDR, 2016e) provided for the subject property. No Sanborn maps were available as the subject property is unmapped. A copy of *The EDR Certified Sanborn® Map Report* is provided in Appendix G.

### 3.12 ENVIRONMENTAL LIEN

START reviewed *The EDR Environmental LienSearch™ Report* (EDR, 2016f) provided for the subject property. No environmental liens or other activity and use limitations (AULs) associated with the subject property were found. A copy of *The EDR Environmental LienSearch™ Report* is provided in Appendix H.

### 3.13 TAX MAP REPORT

START reviewed *The EDR Property Tax Map Report* (EDR, 2016g) provided for the subject property. Coverage was not provided for the subject property. A copy of *The EDR Property Tax Map Report* is provided in Appendix I.

### 3.14 BUILDING PERMIT REPORT

START reviewed *The EDR Building Permit Report* (EDR, 2016h) provided for the subject property. EDR does not have access to building permits in Ranchester, WY. A copy of *The EDR Building Permit Report* is included in Appendix J.

### 3.15 CHAIN OF TITLE REPORT

START requested *The EDR Chain of Title Report* (EDR, 2016i) for the subject property. According to the *Chain of Title Report* the subject property is currently owned by Diversified Resources, LLC. A copy of *The EDR Chain of Title Report* is provided in Appendix K.

Subject Property (Parcel ID 57841530000333) - 165 Acme Road, Ranchester, WY 82839		
Title Vested In / Date	Title Received From	Deed Type
Diversified Resources, LLC / 1-17-2001	Ft. Acme, Inc.	Deed
Ft. Acme, Inc. / 8-16-1994	Golden Eagle Resources, Inc.	Deed
Golden Eagle Resources, Inc. / 7-1-1992	Black Diamond Resources, Inc.	Deed
Black Diamond Resources, Inc. / 3-2-1992	Hitexonics, Ltd.	Deed
Hitexonics, Ltd. / 7-22-1991	Perkins Power, Inc.	Deed
Perkins Power, Inc. / 6-7-1985	Three W's Inc.	Deed
Three W's Inc. / 9-3-1981	Carl Weissman & Sons, Inc.	Deed
Carl Weissman & Sons, Inc. / 5-12-1981	Carl Weissman, et al	Deed
Carl Weissman, et al / 10-13-1972	Joseph Perkins, et al	Deed
Joseph Perkins, et al / 2-10-1956	Roger Hutchens and Myrtle Hutchens	Deed
Roger Hutchens and Myrtle Hutchens / 4-20-1939	Howell Douglas and Emma Douglas	Deed

## 4.0 SITE RECONNAISSANCE AND INTERVIEWS

### 4.1 SITE VISIT

<b>Site Assessor(s)</b>	Mr. Greg Geras
<b>Date of Reconnaissance</b>	December 2, 2016
<b>Methodology Used</b>	Visual inspection of the subject property and adjacent properties.
<b>Limiting Conditions</b>	Brick storage building and two mobile trailers were not able to be visited during the site reconnaissance.

### 4.2 INTERVIEWS RECORDS

Mr. Greg Geras, P.G. conducted the interviews on this Phase I ESA and is considered an EP as defined by 40 CFR Part 312.10 and as described in Section 1.4.

<b>Name</b>	Mr. Bob Marron
<b>Company</b>	Most recently with Diversified Resources, LLC.
<b>Position</b>	Former Partial Owner
<b>Time Associated with the Property</b>	45 years
<b>Time Associated with this Facility</b>	45 years
<b>Date &amp; Method of Interview</b>	Mr. Marron was interviewed in person on December 1, 2016. Mr. Marron was able to provide background information on the subject property. Though Mr. Marron was involved in business dealing with the power plant after it closed, he was not involved with activities conducted at the subject property. The extent of his knowledge was related to future plans for the subject property with the other business partners (primarily John Culhane). Mr. Marron indicated that a company from Minnesota removed much of the equipment inside the power plant during his interactions with John Culhane.

<b>Name</b>	Terry Proffit
<b>Employer</b>	Diversified Resources, LLC
<b>Position</b>	Former Partial Owner
<b>Time with Company</b>	Approximately 20 years
<b>Time at this Facility</b>	Approximately 20 years
<b>Date &amp; Method of Interview</b>	Mr. Proffit was interviewed in person on December 2, 2016. Mr. Proffit was able to provide background information on the subject property. Information included potential ownership or lease/use of the power plant from Montana Dakota Utilities in the late 1960s to early 1970s, to Zowada Recycling, to Rosemary Perkins, to Morgan Laws, to John Culhane in the 1970s. In the late-1990s, Rick Heckamovich from Minnesota came and removed the equipment from the power plant. He had been dealing with John Culhane. According to Mr. Proffit, C&C Tire operated car crushing activities at the subject property

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	as recently as 2010. The reported battery recycling and car crushing activities are considered RECs in relation to the subject property.
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<b>Name</b>	Mr. Ron Scott
<b>Property Owned</b>	Padlock Ranch
<b>Position</b>	Property Owner
<b>Time with Company</b>	Approximately 40+ years
<b>Time at this Facility</b>	None
<b>Date &amp; Method of Interview</b>	Mr. Scott was interviewed in person on December 2, 2016. Mr. Scott is with Padlock Ranch, which owns property adjacent to the Acme Power Plant. Mr. Scott was able to provide general background information about the subject property; however, Mr. Scott did not know specifics regarding activities conducted at the power plant. Mr. Scott said the power plant operated until the early 1970s. Mr. Scott indicated that two conveyer belts were utilized at the plant (one for coal and one for coal ash, which transported the ash across the river to the current coal ash pile location) and the conveyor for coal ash fell into the river in approx. 2001. According to Mr. Scott, active dumping of junk and debris has occurred at the subject property as recently as a few months ago.

### 4.3 WASTE GENERATION, PERMITTING AND UTILITIES

<b>Water Supply</b>	N/A
<b>Electricity</b>	N/A
<b>Natural Gas</b>	N/A
<b>Wastewater</b>	N/A
<b>Stormwater</b>	N/A
<b>Air</b>	N/A
<b>Cooling Towers</b>	N/A
<b>Solid Wastes</b>	N/A
<b>Hazardous Wastes</b>	N/A
<b>Waste Disposal Areas</b>	N/A

### 4.4 HAZARDOUS/DANGEROUS MATERIALS

<b>Products and Chemicals Used/Managed/ Stored</b>	Waste oil, antifreeze, transmission fluid, hydraulic fluid, gasoline, paint thinner, and coal ash were observed during the site reconnaissance. An empty 33-gallon polydrum of Tyzor 217 Zirconate was observed on the property. Possibility of Freon in some refrigerators. There is a large coal ash pile on the north side of the property and adjacent to the Tongue River. The presence of a potentially uncapped coal ash pile is considered to be a REC in relation to the subject property.
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<b>Products and Chemicals Storage Location</b>	Approximately 50 55-gallon drums were observed in a drum storage area on the north side of the former power plant building. Approximately 40 of the drums appeared to be full and closed. About half of the drums were labeled and likely contained waste oil, transmission fluid, and antifreeze. The remainder of the drums appeared to be empty. One empty 5-gallon drum of Duracryl acrylic lacquer thinner was observed in the drum storage area. All drums appeared to be in good condition and no obvious leaks were observed. There were an additional approximately 15 33- and 55-gallon drums and 25 5-gallon buckets observed scattered throughout the subject property. These drums appeared to have de minimis quantities of waste oils in them and appeared to be in good condition; however, some of them had soil staining around the drums. Three 5-gallon buckets of hydraulic fluid were observed on the west side of the metal shed and gasoline cans were observed inside the shed. Drums and buckets were scattered throughout the subject property in various locations. The drum storage area, potentially uncapped coal ash pile and observed soil staining around the drums is considered to be a REC in relation to the subject property.
<b>Storage Tanks</b>	No USTs or ASTs were observed during the site visit.
<b>Chlorinated Solvents Used</b>	No evidence of chlorinated solvents was observed during the site visit.

#### 4.5 ADDITIONAL OBSERVATIONS AND INFORMATION

<b>Vapor Intrusion</b>	No evidence of hazardous vapors were observed on the subject property. See Section 3.7 for information on vapor encroachment screening evaluation.
<b>Polychlorinated Biphenyl- (PCB)-Containing Equipment</b>	One pole mounted transformer was observed on the subject property. The transformer appeared to be fairly new and in good condition with no leaks observed. Interviews indicated a former pad mounted transformer was present on the southeast corner of the power plant building and that there was a PCB-containing oil spill sometime in the 1990s; however, no evidence of soil staining was observed in the indicated area of the spill. The potential for PCB soil contamination is considered to be a REC in relation to the subject property.
<b>Radon</b>	No known testing has been performed at subject property. According to <i>The Radius Report</i> , the EPA map of radon zones indicates the EPA Radon Zone for Sheridan County is a Zone 1 area. Average radon levels for Zone 1 are greater than or equal to ( $\geq$ ) 4 picocuries per liter (pCi/L). Air sampling was not performed at the subject property to evaluate actual radon levels.
<b>Asbestos-Containing Material (ACM)</b>	Suspect ACM pipe wrap and plaster were observed throughout the former power plant building. Most of the material had deteriorated and was in a friable state. Potential ACM-containing vinyl flooring was also observed in the small shed on the east side of the former power plant building and inside the mobile trailer. The potential for ACM is considered a non-scope consideration.
<b>Lead-Based Paint (LBP)</b>	Painted surfaces were observed on the interior and exterior of all buildings and mobile trailers present at the subject property. Based on the age of the buildings and mobile trailers the potential for LBP is considered a non-scope consideration.
<b>Lead and Drinking Water</b>	No lead in drinking water testing is known to have been conducted at the subject property.
<b>Mercury</b>	Potential mercury containing light fixtures were observed in the former power plant building during the site visit. The potential for mercury containing light fixtures is considered a non-scope consideration.

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<b>Fluorescent Lights</b>	No fluorescent lights were observed during the site visit.
<b>Sumps, Oil/Water Separators</b>	No sumps or oil/water separators were observed during the site visit.
<b>Monitoring Wells, Vent Pipes, Manhole Covers, etc.</b>	One vent pipe for the septic tank located on the north side of the mobile trailer was observed. No monitoring wells or manhole covers were observed during the site visit.
<b>Staining</b>	Soil staining was observed throughout the property and around some drums. The presence of stained soils is considered to be a REC in relation to the subject property.
<b>Stressed Vegetation</b>	Areas of stressed vegetation were observed throughout the property in areas where previous site activities (e.g. car crushing) have occurred and around drums where soil staining was present. The presence of stressed vegetation is considered to be a REC in relation to the subject property.
<b>Ponds, Pits, Lagoons, and Debris Piles</b>	Debris piles were present throughout the subject property and contained various trash such as tires, wood, railroad ties, metal, refrigerators, mobile trailers, plastic, household items such as furniture, coolers, electrical cords, drums, poly trash bins, signage, shingles, automobile parts, power plant equipment, heavy equipment, and general trash. Pigeon guano was present throughout the former power plant building.
<b>Water Staining or Mold Within Building</b>	Mold was observed in various locations throughout the building. The presence of mold is considered a non-scope consideration.
<b>Indoor Air Quality Issues (complaints and/or testing)</b>	No indoor air quality issues and/or testing are known to exist.
<b>Odors</b>	None observed during site reconnaissance.
<b>Pools of Liquid</b>	Multiple areas of water were observed in sump-like holes in the basement.
<b>Unidentified Substance Containers</b>	Various drums and/or containers were observed throughout the subject property.

## 5.0 EXCEPTIONS, DELETIONS, AND DATA GAPS

START has performed this Phase I ESA in general conformance with the scope and limitations of *ASTM E1527-13* for the Acme Power Plant at 165 Acme Road located in Sheridan, Wyoming. Exceptions to, or deletions from, this practice or data gaps include the following:

Exception, Deletion, or Data Gap Description	Good Faith Effort	Opinion on Significance
<p><u>Historical Records</u>: Examples of historic record gaps include:</p> <ul style="list-style-type: none"> <li>▪ Gaps between aerial photographs ranged from three years to ten years.</li> <li>▪ Gaps between topographic maps ranged from two years to 67 years.</li> <li>▪ Sanborn maps, property tax maps, and building permits were not available for the subject property.</li> </ul>	<p>START attempted to construct a complete historic record for the subject property by conducting interviews and obtaining other historical records readily available for review such as aerial photographs, topographic maps, city directories, and Sanborn maps; however, a complete historic record was unable to be constructed.</p>	<p><b>Low Significance</b> - Based on the historical information available for review, the gaps in the historic record constructed do not indicate a high potential for environmentally adverse conditions at the subject property.</p>
<p><u>Interviews</u>: Complete interviews with past owners and/or occupants were not available. Examples of interview gaps include:</p> <ul style="list-style-type: none"> <li>▪ Not all previous owners were available for interviews.</li> </ul>	<p>START attempted to identify and contact current and past owners; however, complete records and/or contact information were not readily available.</p>	<p><b>Low Significance</b> - Based on the historical information available for review, the gaps in interviews do not indicate a high potential for environmentally adverse conditions at the subject property.</p>
<p><u>Regulatory Records Review</u>: Incomplete and/or unavailable records were not able to be obtained regarding past activities at the subject property.</p>	<p>START conducted a review of all files available for sites from the WDEQ.</p>	<p><b>Moderate Significance</b> – Based on the historic uses at the subject property and a lack of records available for review, the gaps in records indicate a moderate potential for environmentally adverse conditions at the subject property.</p>

These exceptions, deletions, and/or data gaps are considered to have a low material impact on the findings and conclusions of the ESA.

## 6.0 FINDINGS, OPINIONS, AND CONCLUSIONS

START has performed a Phase I ESA in conformance with the scope and limitations of TDD 0003/1609-07, 40 CFR Part 312, and ASTM Practice E1527-13 on the Acme Power Plant located at 165 Acme Road Sheridan, Sheridan County, Wyoming (subject property).

Based on the results of the Phase I ESA conducted on the subject property, the findings and conclusions in regards to the subject property are presented below:

- The Phase I ESA has not revealed evidence of historical recognized environmental conditions (HRECs) in connection with the subject property.
- The Phase I ESA has not revealed evidence of controlled recognized environmental conditions (CRECs) in connection with the subject property.
- The Phase I ESA has revealed evidence of six recognized environmental conditions (RECs) in connection with the subject property.
  - 1) Existing Stained Surface Soils and Stressed Vegetation – Multiple areas of petroleum stained surface soils and stressed vegetation were observed throughout the property in areas where previous site activities (e.g. car crushing) have occurred, around drums, and various debris areas.
  - 2) Drum Storage Areas – Multiple areas of 55-gallon drums are located on the subject property. In particular, one area of approximately fifty 50 drums are being stored in an area behind the power plant (adjacent to the exterior northern wall of the former power plant). Approximately 40 of the drums are believed to be full. As many of the drums are not labeled, actual drums contents are not known, but are believed to be various petroleum products (e.g., used oil, hydraulic oil, etc.), automotive fluids (e.g., anti-freeze), and possibly solvents (e.g., paint thinner).
  - 3) Previous Undocumented Activities – Though no documentation is available regarding past operations, multiple sources reported car crushing and battery recycling occurred at the subject property. As these activities were not conducted by formal registered businesses, there is uncertainty regarding operational practices (e.g., waste generation and disposal).
  - 4) Transformer Spill of PCB-containing Oil – According to an interview conducted, a former pad mounted transformer leaked potential PCB-containing oil onto the surrounding soils.
  - 5) Coal Ash Pile – A significantly large coal ash pile is present on the north side of the property and adjacent to the Tongue River. There is the potential for heavy metals and mercury to be present in the coal ash.
  - 6) Historic Coal-Fired Power Plant Operations – As a result of the former coal-fired power plant operations, there is the potential for coal and coal byproducts in the form of solids and airborne particulates to have been deposited in surface soils across the subject property during historic operations. Due to the duration of

operations (approximately 57 years) and period of operations (from 1910s until late-1960s or early-1970s), there is the potential for coal and coal ash containing heavy metals and mercury to be present in surface soils throughout the subject property.

The Phase I ESA has revealed evidence of non-scope considerations in connection with the property.

- 1) Due to the age of the buildings, there is the potential for asbestos-containing materials (ACM), lead-based paint (LBP), mercury-containing thermostat switches and light fixtures, and potential polychlorinated biphenyls (PCBs)-containing equipment to be present at the subject property.
- 2) The presence of mold was observed in various locations throughout the former power plant building.

Based on the results of the Phase I ESA, the following table contains a summary of known/potential contaminants, known/potential contaminant sources identified, and the matrices of concern for the subject property.

<b>Known/Potential Contaminant(s)</b>	<b>Known/Potential Source(s) Identified</b>	<b>Matrix</b>
Petroleum Related Contaminants	Potential impacts in areas throughout the subject property and around drums.	Soils and Groundwater
PCBs	Potential impacts in area of the former pad mounted transformer.	Soils and Groundwater
Heavy Metals and Mercury	Potential impacts in areas throughout the subject property.	Soils, Groundwater, Surface Water and Sediment
Asbestos	Potential impacts in areas throughout the subject property.	Soils
ACM and LBP	Potential ACM and LBP in all buildings/structures	Hazardous Building Materials
Mercury	Potential mercury-containing light fixtures	Light Fixtures
Mold	Known mold present in the former power plant building. Potential mold in brick storage building and mobile trailers that were not able to be visited during the site reconnaissance.	Hazardous Building Materials

Based on the findings and conclusions of the Phase I ESA, START recommends the following:

- Conduct a Phase II ESA to investigate the presence and/or extent of impacts to surface soils, sub-surface soils, sediment and groundwater at the subject property as a result of past activities.
- Conduct ACM and LBP surveys at the subject property prior to redevelopment.
- Conduct surveys to determine presence of potential mercury and PCB containing equipment at the subject property.

- Conduct drum characterization activities to verify and/or determine drum contents prior to disposal.

## 7.0 REFERENCES

ASTM International (ASTM), 2015. E2600-15, *Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions*. West Conshohocken, Pennsylvania.

Citation	Reference Type	Assessment Factor				
		Soundness	Applicability and Utility	Clarity and Completeness	Uncertainty and Variability	Evaluation and Review
ASTM, 2015	Guidance	Acceptable	Acceptable	Acceptable	Acceptable	Acceptable

ASTM International (ASTM), 2013. E1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. West Conshohocken, Pennsylvania.

Citation	Reference Type	Assessment Factor				
		Soundness	Applicability and Utility	Clarity and Completeness	Uncertainty and Variability	Evaluation and Review
ASTM, 2013	Guidance	Acceptable	Acceptable	Acceptable	Acceptable	Acceptable

EDR, 2016a. *The EDR Radius Map™ Report with GeoCheck®*. Acme Power Plant 165 Acme Road Ranchester, WY 82839. Inquiry number 4781263.2s, November 15, 2016.

Citation	Reference Type	Assessment Factor				
		Soundness	Applicability and Utility	Clarity and Completeness	Uncertainty and Variability	Evaluation and Review
EDR, 2016a	Database	Acceptable	Acceptable	Acceptable	Acceptable	Acceptable

EDR, 2016b. *The EDR Aerial Photo Decade Package*. Acme Power Plant 165 Acme Road Ranchester, WY 82839. Inquiry number 4781263.12, November 16, 2016.

Citation	Reference Type	Assessment Factor				
		Soundness	Applicability and Utility	Clarity and Completeness	Uncertainty and Variability	Evaluation and Review
EDR, 2016b	Photographs	Acceptable	Acceptable	Acceptable	Acceptable	Acceptable

EDR, 2016c. *EDR Historical Topographic Map Report*. Acme Power Plant 165 Acme Road Ranchester, WY 82839. Inquiry number 4781263.4, November 15, 2016.

Citation	Reference Type	Assessment Factor				
		Soundness	Applicability and Utility	Clarity and Completeness	Uncertainty and Variability	Evaluation and Review
EDR, 2016c	Historical Maps	Acceptable	Acceptable	Acceptable	Acceptable	Acceptable

EDR, 2016d. The *EDR-City Directory Image Report. Acme Power Plant 165 Acme Road Ranchester, WY 82839. Inquiry number 4781263.5*, November 15, 2016.

Citation	Reference Type	Assessment Factor				
		Soundness	Applicability and Utility	Clarity and Completeness	Uncertainty and Variability	Evaluation and Review
EDR, 2016d	Historical Record	Acceptable	Acceptable	Acceptable	Acceptable	Acceptable

EDR, 2016e. *Certified Sanborn® Map Report. Acme Power Plant 165 Acme Road Ranchester, WY 82839. Inquiry number 4781263.3*, November 15, 2016.

Citation	Reference Type	Assessment Factor				
		Soundness	Applicability and Utility	Clarity and Completeness	Uncertainty and Variability	Evaluation and Review
EDR, 2016e	Historical Record	Acceptable	Acceptable	Acceptable	Acceptable	Acceptable

EDR, 2016f. *The EDR Environmental LienSearch Report. Acme Power Plant 165 Acme Road Ranchester, WY 82839. Inquiry number 4781263.7*, November 28, 2016.

Citation	Reference Type	Assessment Factor				
		Soundness	Applicability and Utility	Clarity and Completeness	Uncertainty and Variability	Evaluation and Review
EDR, 2016f	Historical Record	Acceptable	Acceptable	Acceptable	Acceptable	Acceptable

EDR, 2016g. *The EDR Property Tax Map Report. Acme Power Plant 165 Acme Road Ranchester, WY 82839. Inquiry number 4781263.6*, November 15, 2016.

Citation	Reference Type	Assessment Factor				
		Soundness	Applicability and Utility	Clarity and Completeness	Uncertainty and Variability	Evaluation and Review
EDR, 2016g	Database	Acceptable	Acceptable	Acceptable	Acceptable	Acceptable

EDR, 2016h. *EDR Building Permit Report. Acme Power Plant 165 Acme Road Ranchester, WY 82839. Inquiry number 4781263.8*, November 18, 2016.

Citation	Reference Type	Assessment Factor				
		Soundness	Applicability and Utility	Clarity and Completeness	Uncertainty and Variability	Evaluation and Review
EDR, 2016h	Historical Record	Acceptable	Acceptable	Acceptable	Acceptable	Acceptable

EDR, 2016i. *EDR Chain of Title. Acme Power Plant 165 Acme Road Ranchester, WY 82839. Inquiry number 4781263.14*, November 28, 2016.

Citation	Reference Type	Assessment Factor				
		Soundness	Applicability and Utility	Clarity and Completeness	Uncertainty and Variability	Evaluation and Review
EDR, 2016i	Database	Acceptable	Acceptable	Acceptable	Acceptable	Acceptable

Environmental Protection Agency (EPA), 2016. *TDD 0003/1609-07 "Acme Power Plant"*. September 20, 2016.

Citation	Reference Type	Assessment Factor				
		Soundness	Applicability and Utility	Clarity and Completeness	Uncertainty and Variability	Evaluation and Review
EPA, 2016a	Guidance	Acceptable	Acceptable	Acceptable	Acceptable	Acceptable

EPA, 2016. *Targeted Brownfields Assessment (TBA) Application*.

Citation	Reference Type	Assessment Factor				
		Soundness	Applicability and Utility	Clarity and Completeness	Uncertainty and Variability	Evaluation and Review
EPA, 2016b	Application	Acceptable	Acceptable	Acceptable	Acceptable	Acceptable

Sheridan County, 2016. *GIS and Interactive Mapping*. Accessed November 23, 2016. Available at: <http://gis.sheridancounty.com/map?>

Citation	Reference Type	Assessment Factor				
		Soundness	Applicability and Utility	Clarity and Completeness	Uncertainty and Variability	Evaluation and Review
SC, 2016	Database	Acceptable	Acceptable	Acceptable	Acceptable	Acceptable

## 8.0 QUALIFICATIONS

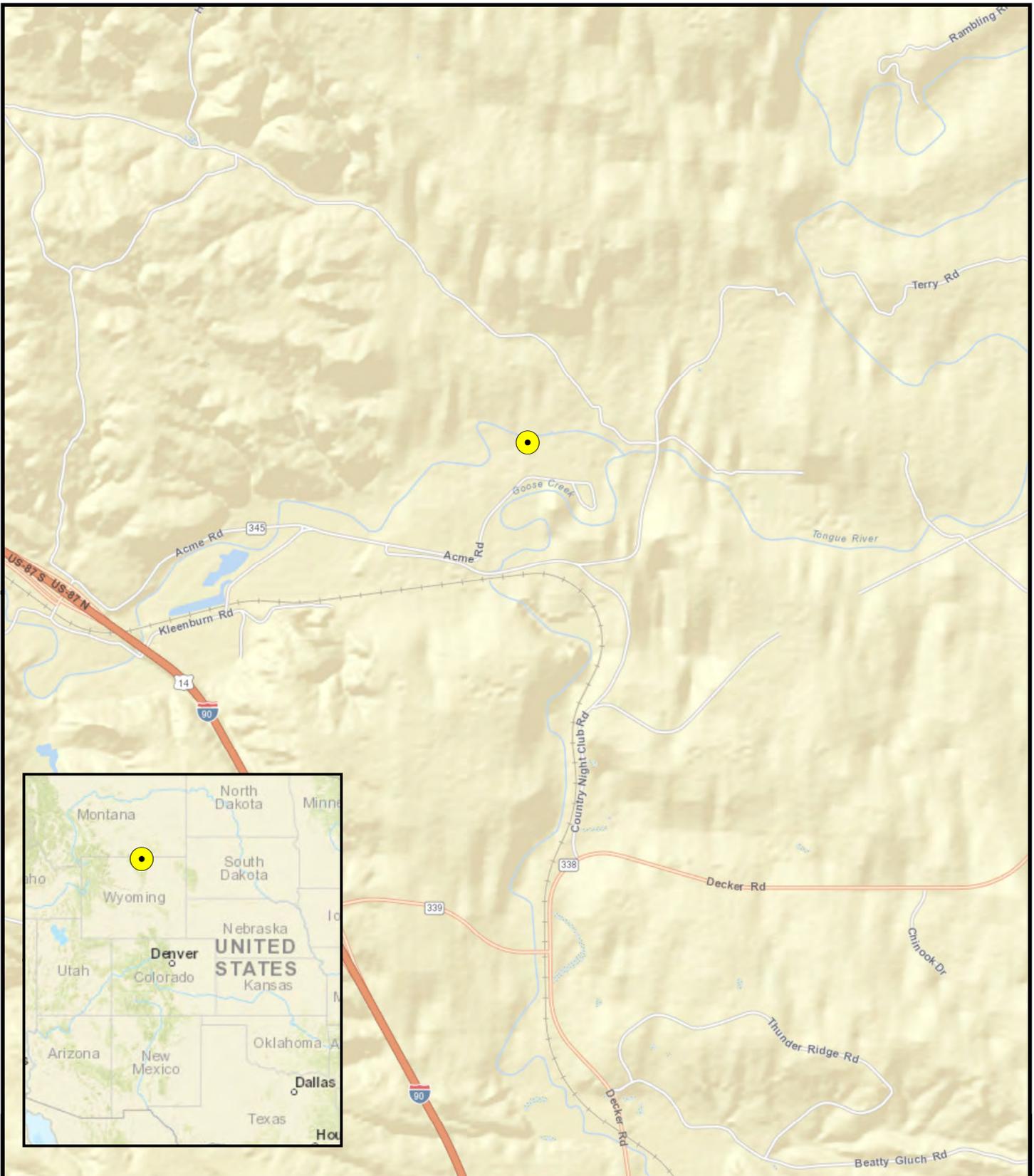
START utilized qualified, professional staff, trained in performing the scope of work required for this Phase I ESA. This team included a project manager and technical specialist(s). Their roles are described in more detail as follows:

- Task Order Manager and Environmental Professional – Mr. Greg Geras, P.G. is a senior geoscientist with over 12 years of experience in the field of environmental sciences and consulting. Mr. Geras specializes in the development and implementation of site investigation plans, analysis of soil and groundwater data, evaluation of remediation options, and conducting Phase I and Phase II ESA investigations. He is experienced in projects involving initial site assessment, soil and groundwater investigations, remedial action/corrective action plans, risk assessment, closure plan development, and agency negotiation.
- Project Manager and Environmental Professional – Ms. Natalie Quiet is a senior project scientist with over 10 years of experience in the field of environmental sciences. Ms. Quiet specializes in the development and implementation of site investigation plans, analysis of soil, sediment, groundwater, and surface water data, evaluation of remediation options, and conducting Phase I investigations, Preliminary Assessment (PA)/Site Inspection (SI), and Remedial Investigation (RI)/Feasibility Studies (FS). She is experienced in projects involving initial site assessment, soil, sediment, surface water, and groundwater investigations, remedial action/corrective action plans, risk assessment, closure plan development, and agency negotiation.
- Scientist – Mr. Michael Cherny has 1+ year of project experience collecting soil, groundwater, surface water, and air samples, and conducting air monitoring. His experience includes conducting site assessments, removals, technical report documentation, and field instrument proficiency.

---

## FIGURES

---



**Legend**

 Site Location

0 0.275 0.55 1.1 Miles



Prepared for:  
U.S. EPA Region 8



Contract No.:  
EP-S8-13-01

TDD:  
1609-07  
TO:  
0003

The source of this map image is Esri, used by EPA with Esri's permission

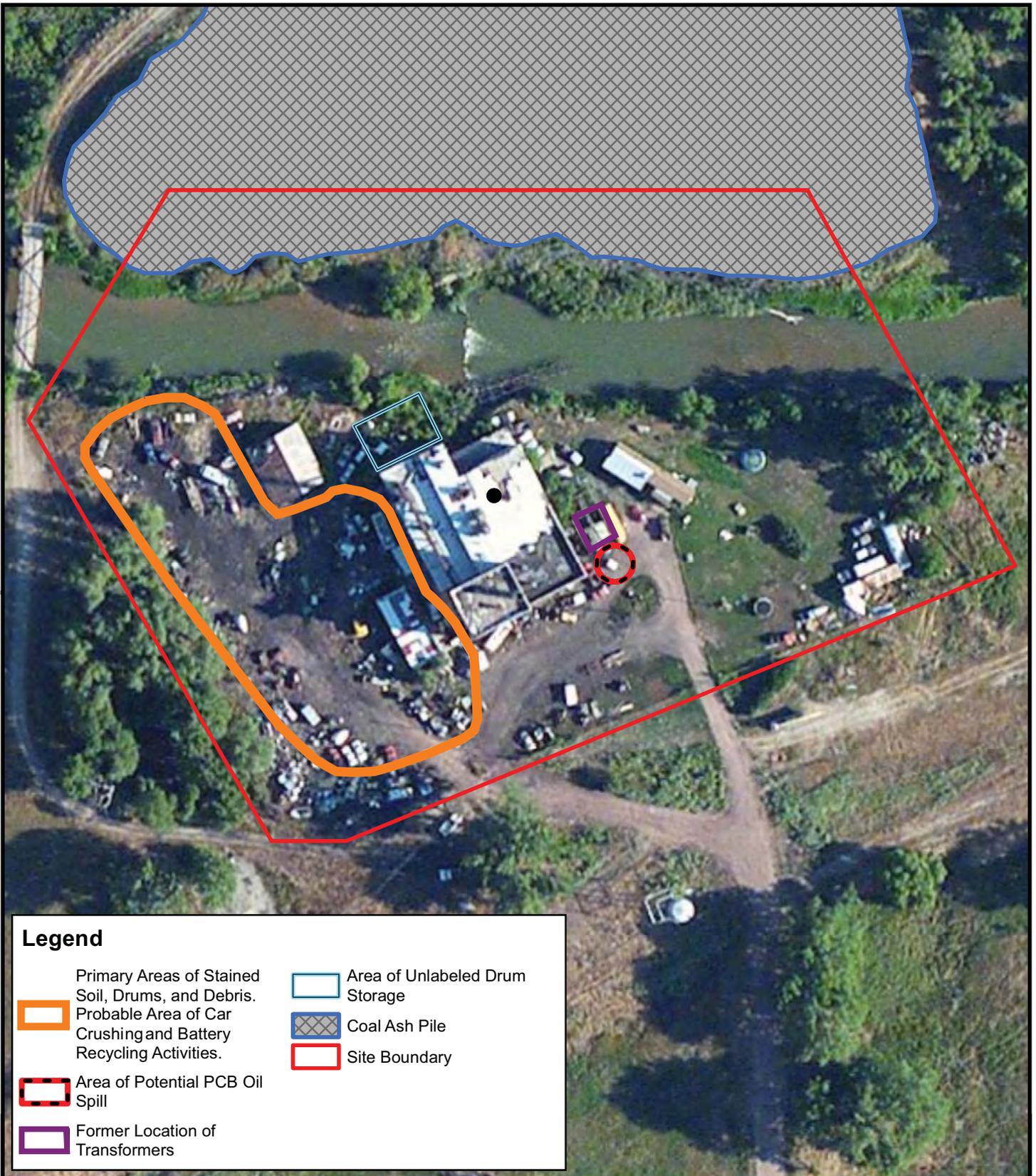


Prepared By:  
Weston Solutions, Inc.  
START IV

Suite 100  
1435 Garrison Street  
Lakewood, CO 80215

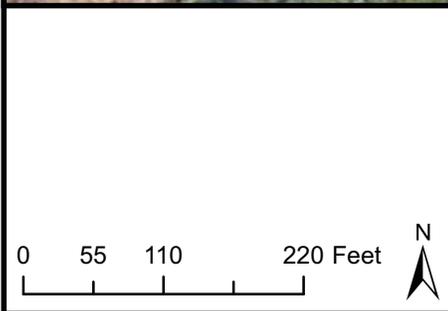
**FIGURE 1  
SITE LOCATION MAP  
ACME POWER PLANT  
RANCHESTER, WYOMING**

Date: 12/21/2016



**Legend**

-  Primary Areas of Stained Soil, Drums, and Debris. Probable Area of Car Crushing and Battery Recycling Activities.
-  Area of Potential PCB Oil Spill
-  Former Location of Transformers
-  Area of Unlabeled Drum Storage
-  Coal Ash Pile
-  Site Boundary



Prepared for:  
**U.S. EPA Region 8**

Contract No.:  
**EP-S8-13-01**

TDD:  
**1609-07**

TO:  
**0003**

The source of this map image is Esri, used by EPA with Esri's permission




Prepared By:  
**Weston Solutions, Inc.**  
**START IV**

Suite 100  
 1435 Garrison Street  
 Lakewood, CO 80215

**FIGURE 2**  
**SITE FEATURES MAP**  
**ACME POWER PLANT**  
**F5 B7 <9GH9F, WYOMING**

Date: 12/16/2016

---

**APPENDIX A**  
**SITE PHOTOGRAPHS**

---

<b>Project Name:</b> Acme Power Plant	<b>Site Location:</b> 165 Acme Road, Sheridan, Wyoming	<b>TDD No.</b> 0003/1609-07
--	---	--------------------------------

<b>Photo No.</b> <b>1</b>	<b>Date:</b> 12/2/16
------------------------------	-------------------------

**Direction Photo Taken:**  
  
North

**Description:**  
  
Southeast facing side of the former power plant building with general site debris.



<b>Photo No.</b> <b>2</b>	<b>Date:</b> 12/2/16
------------------------------	-------------------------

**Direction Photo Taken:**  
  
Northeast

**Description:**  
  
West facing side of the former power plant building with general site debris.



<b>Project Name:</b> Acme Power Plant		<b>Site Location:</b> 165 Acme Road, Sheridan, Wyoming	<b>TDD No.</b> 0003/1609-07
<b>Photo No.</b> <b>3</b>	<b>Date:</b> 12/2/16		
<b>Direction Photo Taken:</b>  North			
<b>Description:</b>  Roof of the former power plant building.			

<b>Photo No.</b> <b>4</b>	<b>Date:</b> 12/2/16	
<b>Direction Photo Taken:</b>  Southeast		
<b>Description:</b>  Northwest facing side of the former power plant building with metal shed and mobile trailer.		

<b>Project Name:</b> Acme Power Plant	<b>Site Location:</b> 165 Acme Road, Sheridan, Wyoming	<b>TDD No.</b> 0003/1609-07
--	---	--------------------------------

<b>Photo No.</b> <b>5</b>	<b>Date:</b> 12/2/16
------------------------------	-------------------------

**Direction Photo Taken:**  
  
North

**Description:**  
  
Metal shed located on west side of the former power plant building. Tire debris and soil staining in area.



<b>Photo No.</b> <b>6</b>	<b>Date:</b> 12/2/16
------------------------------	-------------------------

**Direction Photo Taken:**  
  
East

**Description:**  
  
Mobile trailers present in eastern corner of the subject property.



<b>Project Name:</b> Acme Power Plant	<b>Site Location:</b> 165 Acme Road, Sheridan, Wyoming	<b>TDD No.</b> 0003/1609-07
--	---	--------------------------------

<b>Photo No.</b> <b>7</b>	<b>Date:</b> 12/2/16
------------------------------	-------------------------

<b>Direction Photo Taken:</b>  Northwest
--

<b>Description:</b>  Location of former power plant transformers. The area to the south of these transformers is where the potential PCB-containing oil was spilled.
--



<b>Photo No.</b> <b>8</b>	<b>Date:</b> 12/2/16
------------------------------	-------------------------

<b>Direction Photo Taken:</b>  Up
---

<b>Description:</b>  Pole-mounted transformer located on the subject property. Transformer appeared to be newer and no evidence of leaks were observed.
---



<b>Project Name:</b> Acme Power Plant	<b>Site Location:</b> 165 Acme Road, Sheridan, Wyoming	<b>TDD No.</b> 0003/1609-07
--	---	--------------------------------

<b>Photo No.</b> <b>9</b>	<b>Date:</b> 12/2/16
------------------------------	-------------------------

<b>Direction Photo Taken:</b>  Down
---

<b>Description:</b>  View of former turbine locations on main floor of the power plant.
---



<b>Photo No.</b> <b>10</b>	<b>Date:</b> 12/2/16
-------------------------------	-------------------------

<b>Direction Photo Taken:</b>  Southeast
--

<b>Description:</b>  View of former power plant electrical equipment remaining in the building.
---



<b>Project Name:</b> Acme Power Plant	<b>Site Location:</b> 165 Acme Road, Sheridan, Wyoming	<b>TDD No.</b> 0003/1609-07
--	---	--------------------------------

<b>Photo No.</b> <b>11</b>	<b>Date:</b> 12/2/16
-------------------------------	-------------------------

**Direction Photo Taken:**  
  
West

**Description:**  
  
View of equipment present in the lower floor of the power plant.



<b>Photo No.</b> <b>12</b>	<b>Date:</b> 12/2/16
-------------------------------	-------------------------

**Direction Photo Taken:**  
  
Down

**Description:**  
  
View of deteriorated suspect asbestos containing plaster present in the power plant.



<b>Project Name:</b> Acme Power Plant	<b>Site Location:</b> 165 Acme Road, Sheridan, Wyoming	<b>TDD No.</b> 0003/1609-07
--	---	--------------------------------

<b>Photo No.</b> <b>13</b>	<b>Date:</b> 12/2/16
-------------------------------	-------------------------

<b>Direction Photo Taken:</b>  South
--

<b>Description:</b>  View of deteriorated suspect asbestos containing plaster present in the power plant.
---



<b>Photo No.</b> <b>14</b>	<b>Date:</b> 12/2/16
-------------------------------	-------------------------

<b>Direction Photo Taken:</b>  Northeast
--

<b>Description:</b>  View of deteriorated suspect asbestos containing pipe wrap and plaster present in the power plant.
---



<b>Project Name:</b> Acme Power Plant	<b>Site Location:</b> 165 Acme Road, Sheridan, Wyoming	<b>TDD No.</b> 0003/1609-07
--	---	--------------------------------

<b>Photo No.</b> <b>15</b>	<b>Date:</b> 12/2/16
<b>Direction Photo Taken:</b>  Northwest	

**Description:**  
View of deteriorated suspect asbestos containing pipe wrap present in the power plant. Potential Mercury vapor light fixture above pipes.



<b>Photo No.</b> <b>16</b>	<b>Date:</b> 12/2/16
<b>Direction Photo Taken:</b>  Down	

**Description:**  
Sump-like area on lower floor of power plant. Water believed to be due to shallow groundwater in the area.



<b>Project Name:</b> Acme Power Plant	<b>Site Location:</b> 165 Acme Road, Sheridan, Wyoming	<b>TDD No.</b> 0003/1609-07
--	---	--------------------------------

<b>Photo No.</b> <b>17</b>	<b>Date:</b> 12/2/16
-------------------------------	-------------------------

<b>Direction Photo Taken:</b>  South
--

<b>Description:</b>  View of main floor in power plant. Former location of turbines and other equipment that was removed from the subject property.
---



<b>Photo No.</b> <b>18</b>	<b>Date:</b> 12/2/16
-------------------------------	-------------------------

<b>Direction Photo Taken:</b>  West
---

<b>Description:</b>  View of debris piles present towards southwest corner of the subject property.
---



<b>Project Name:</b> Acme Power Plant	<b>Site Location:</b> 165 Acme Road, Sheridan, Wyoming	<b>TDD No.</b> 0003/1609-07
--	---	--------------------------------

<b>Photo No.</b> <b>19</b>	<b>Date:</b> 12/2/16
-------------------------------	-------------------------

<b>Direction Photo Taken:</b>  East
---

<b>Description:</b>  View of primary drum storage area behind power plant building. Approximately 50 drums are present.
---



<b>Photo No.</b> <b>20</b>	<b>Date:</b> 12/2/16
-------------------------------	-------------------------

<b>Direction Photo Taken:</b>  South
--

<b>Description:</b>  View of an epoxy primer thinner located in the primary drum storage area.
--



<b>Project Name:</b> Acme Power Plant	<b>Site Location:</b> 165 Acme Road, Sheridan, Wyoming	<b>TDD No.</b> 0003/1609-07
--	---	--------------------------------

<b>Photo No.</b> <b>21</b>	<b>Date:</b> 12/2/16
-------------------------------	-------------------------

<b>Direction Photo Taken:</b>  Down
---

<b>Description:</b>  View of weathered drum label of transmission fluid present in primary drum storage area.
---



<b>Photo No.</b> <b>22</b>	<b>Date:</b> 12/2/16
-------------------------------	-------------------------

<b>Direction Photo Taken:</b>  Down
---

<b>Description:</b>  View of stained soils by an empty drum on the south side of power plant building.
--

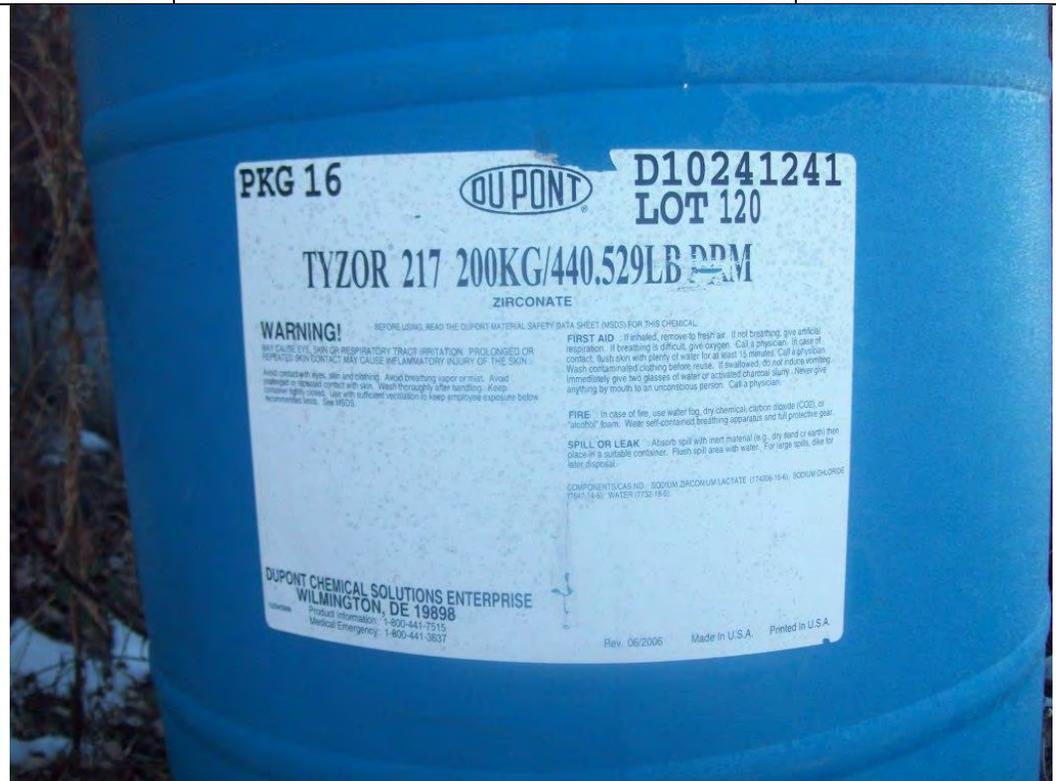


<b>Project Name:</b> Acme Power Plant	<b>Site Location:</b> 165 Acme Road, Sheridan, Wyoming	<b>TDD No.</b> 0003/1609-07
--	---	--------------------------------

<b>Photo No.</b> <b>23</b>	<b>Date:</b> 12/2/16
-------------------------------	-------------------------

<b>Direction Photo Taken:</b>  Down
---

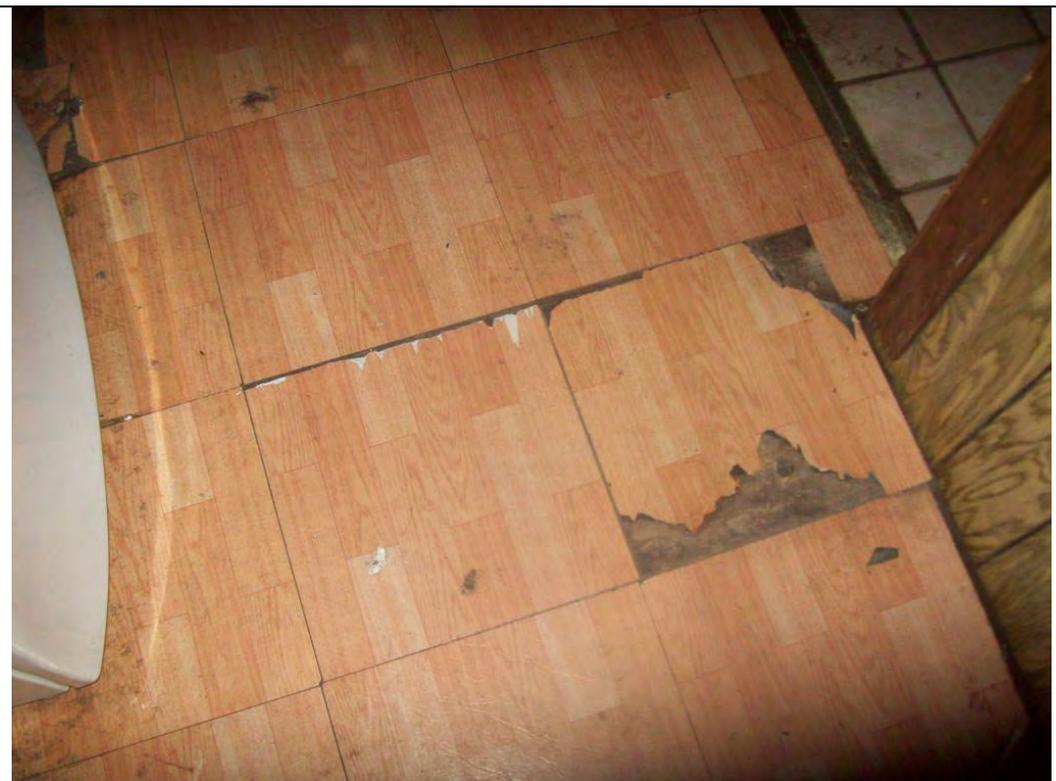
**Description:**  
  
View of empty drum of chelate (paint bonder) believed to be used as a paint additive at the subject property.



<b>Photo No.</b> <b>24</b>	<b>Date:</b> 12/2/16
-------------------------------	-------------------------

<b>Direction Photo Taken:</b>  Down
---

**Description:**  
  
Suspect asbestos containing vinyl floor tiles in the mobile home trailer located east of the former power plant building.



<b>Project Name:</b> Acme Power Plant	<b>Site Location:</b> 165 Acme Road, Sheridan, Wyoming	<b>TDD No.</b> 0003/1609-07
--	---	--------------------------------

<b>Photo No.</b> <b>25</b>	<b>Date:</b> 12/2/16
-------------------------------	-------------------------

**Direction Photo Taken:**  
  
Down

**Description:**  
  
Suspected asbestos containing vinyl flooring in the shed located east of the former power plant building.



<b>Photo No.</b> <b>26</b>	<b>Date:</b> 12/2/16
-------------------------------	-------------------------

**Direction Photo Taken:**  
  
Northeast

**Description:**  
  
View of the coal ash pile adjacent to the Tongue River.



<b>Project Name:</b> Acme Power Plant	<b>Site Location:</b> 165 Acme Road, Sheridan, Wyoming	<b>TDD No.</b> 0003/1609-07
--	---	--------------------------------

<b>Photo No.</b> <b>27</b>	<b>Date:</b> 12/2/16
-------------------------------	-------------------------

<b>Direction Photo Taken:</b>  Down
---

**Description:**  
Soil staining located throughout the property of possible ground/crushed coal due to historic operations at the subject property.



<b>Photo No.</b> <b>28</b>	<b>Date:</b> 12/2/16
-------------------------------	-------------------------

<b>Direction Photo Taken:</b>  Northeast
--

**Description:**  
Former rail road spur in southwest corner of the subject property.



---

**APPENDIX B**  
**EDR RADIUS MAP™ REPORT WITH GEOCHECK®**

---

**Acme Power Plant**

165 Acme Road  
Ranchester, WY 82839

Inquiry Number: 4781263.2s  
November 15, 2016

**The EDR Radius Map™ Report with GeoCheck®**



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

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

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## EXECUTIVE SUMMARY

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

### TARGET PROPERTY INFORMATION

#### ADDRESS

165 ACME ROAD  
RANCHESTER, WY 82839

#### COORDINATES

Latitude (North): 44.9130110 - 44° 54' 46.83"  
Longitude (West): 106.9878390 - 106° 59' 16.22"  
Universal Transverse Mercator: Zone 13  
UTM X (Meters): 343086.2  
UTM Y (Meters): 4974992.0  
Elevation: 3634 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 5656291 ACME, WY  
Version Date: 2012  
  
Northwest Map: 5655964 MONARCH, WY  
Version Date: 2012

### AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20150726, 20150912  
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:  
165 ACME ROAD  
RANCHESTER, WY 82839

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
--------	-----------	---------	-------------------	--------------------	-------------------------------

NO MAPPED SITES FOUND

# EXECUTIVE SUMMARY

## 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***

FEDERAL FACILITY..... Federal Facility Site Information listing  
SEMS..... Superfund Enterprise Management System

### ***Federal CERCLIS NFRAP site list***

SEMS-ARCHIVE..... Superfund Enterprise Management System Archive

### ***Federal RCRA CORRACTS facilities list***

CORRACTS..... Corrective Action Report

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

RCRA-TSDF..... RCRA - Treatment, 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***

LUCIS..... Land Use Control Information System  
US ENG CONTROLS..... Engineering Controls Sites List

## EXECUTIVE SUMMARY

US INST CONTROL..... Sites with Institutional Controls

### **Federal ERNS list**

ERNS..... Emergency Response Notification System

### **State- and tribal - equivalent CERCLIS**

SHWS..... This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.

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

SWF/LF..... Solid Waste Facility Database

SHWF..... Solid & Hazardous Waste Facility Database

### **State and tribal leaking storage tank lists**

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

LTANKS..... Known Contaminated Sites

### **State and tribal registered storage tank lists**

FEMA UST..... Underground Storage Tank Listing

UST..... Underground Storage Tanks

AST..... Wyoming Aboveground Storage Tanks

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

TANKS..... Storage Tank Listing

### **State and tribal institutional control / engineering control registries**

ENG CONTROLS..... Engineering Controls Site Listing

INST CONTROL..... Sites with Institutional Controls

### **State and tribal voluntary cleanup sites**

VCP..... List of Voluntary Remediation Program Sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

### **State and tribal Brownfields sites**

BROWNFIELDS..... Brownfields Sites Listing

### **ADDITIONAL ENVIRONMENTAL RECORDS**

#### **Local Brownfield lists**

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

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

SWRCY..... Recycling Facilities

INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

ODI..... Open Dump Inventory

## EXECUTIVE SUMMARY

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations  
IHS OPEN DUMPS..... Open Dumps on Indian Land

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

US HIST CDL..... Delisted National Clandestine Laboratory Register  
CDL..... Clandestine Drug Lab Site Locations  
US CDL..... National Clandestine Laboratory Register

### **Local Land Records**

LIENS 2..... CERCLA Lien Information

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

HMIRS..... Hazardous Materials Information Reporting System  
SPILLS..... SPILL Database

### **Other Ascertainable Records**

RCRA NonGen / NLR..... RCRA - Non Generators / No Longer Regulated  
FUDS..... Formerly Used Defense Sites  
DOD..... Department of Defense Sites  
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing  
US FIN ASSUR..... Financial Assurance Information  
EPA WATCH LIST..... EPA WATCH LIST  
2020 COR ACTION..... 2020 Corrective Action Program List  
TSCA..... Toxic Substances Control Act  
TRIS..... Toxic Chemical Release Inventory System  
SSTS..... Section 7 Tracking Systems  
ROD..... Records Of Decision  
RMP..... Risk Management Plans  
RAATS..... RCRA Administrative Action Tracking System  
PRP..... Potentially Responsible Parties  
PADS..... PCB Activity Database System  
ICIS..... Integrated Compliance Information System  
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)  
MLTS..... Material Licensing Tracking System  
COAL ASH DOE..... Steam-Electric Plant Operation Data  
COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List  
PCB TRANSFORMER..... PCB Transformer Registration Database  
RADINFO..... Radiation Information Database  
HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing  
DOT OPS..... Incident and Accident Data  
CONSENT..... Superfund (CERCLA) Consent Decrees  
INDIAN RESERV..... Indian Reservations  
FUSRAP..... Formerly Utilized Sites Remedial Action Program  
UMTRA..... Uranium Mill Tailings Sites  
LEAD SMELTERS..... Lead Smelter Sites  
US AIRS..... Aerometric Information Retrieval System Facility Subsystem  
US MINES..... Mines Master Index File  
FINDS..... Facility Index System/Facility Registry System  
DOCKET HWC..... Hazardous Waste Compliance Docket Listing  
UXO..... Unexploded Ordnance Sites

## EXECUTIVE SUMMARY

Financial Assurance.....	Financial Assurance Information listing
MINES.....	Mine Locations Listing
UIC.....	UIC Well Locations List
NPDES.....	Wastewater Permit Listing
FUELS PROGRAM.....	EPA Fuels Program Registered Listing
ECHO.....	Enforcement & Compliance History Information
ABANDONED MINES.....	Abandoned Mines

### **EDR HIGH RISK HISTORICAL RECORDS**

#### ***EDR Exclusive Records***

EDR MGP.....	EDR Proprietary Manufactured Gas Plants
EDR Hist Auto.....	EDR Exclusive Historic Gas Stations
EDR Hist Cleaner.....	EDR Exclusive Historic Dry Cleaners

### **EDR RECOVERED GOVERNMENT ARCHIVES**

#### ***Exclusive Recovered Govt. Archives***

RGA LF.....	Recovered Government Archive Solid Waste Facilities List
RGA LUST.....	Recovered Government Archive Leaking Underground Storage Tank

### **SURROUNDING SITES: SEARCH RESULTS**

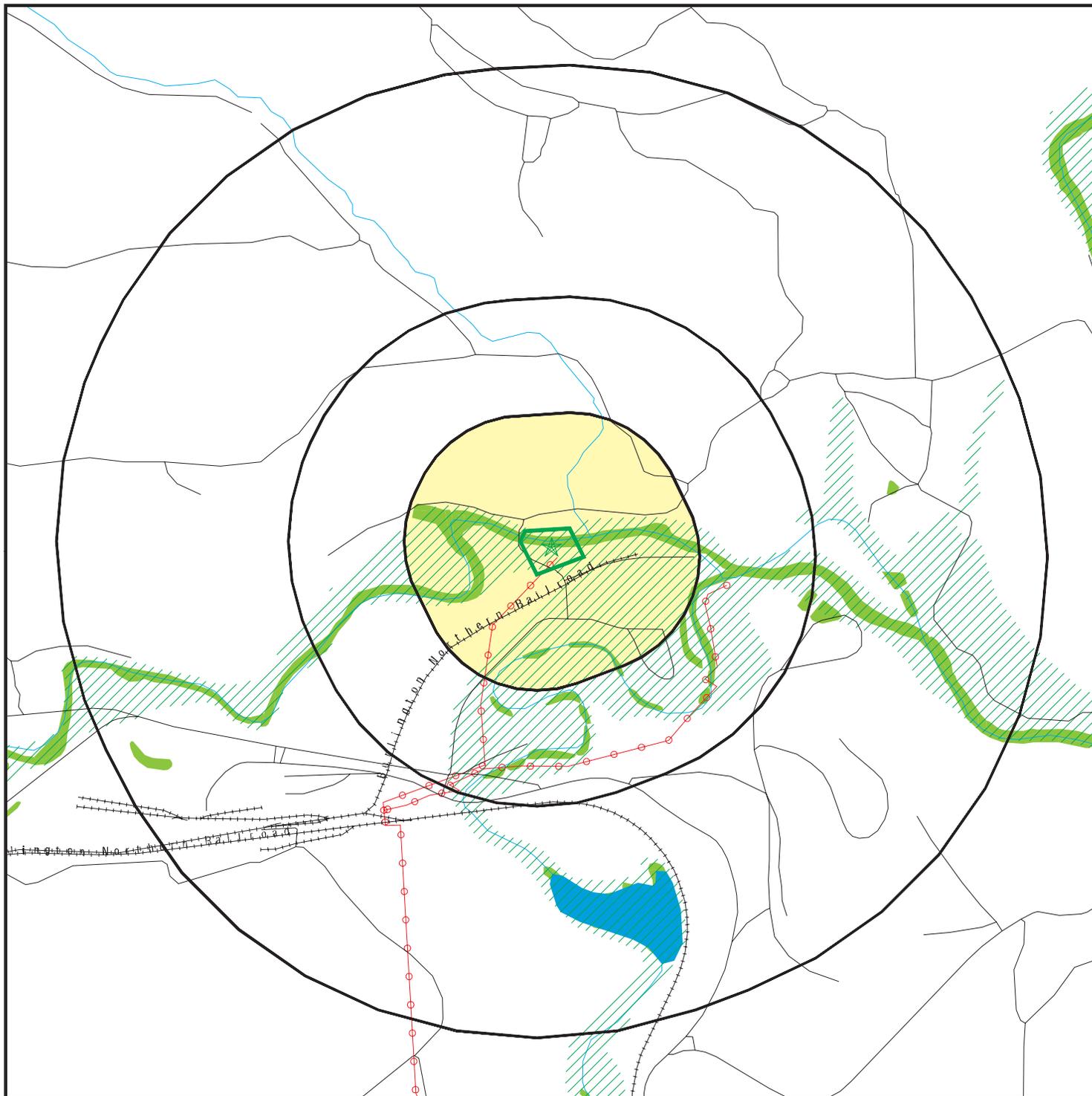
Surrounding sites were not identified.

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

## EXECUTIVE SUMMARY

There were no unmapped sites in this report.

# OVERVIEW MAP - 4781263.2S



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  National Priority List Sites
-  Dept. Defense Sites
-  Indian Reservations BIA
-  Power transmission lines
-  100-year flood zone
-  500-year flood zone
-  National Wetland Inventory
-  State Wetlands

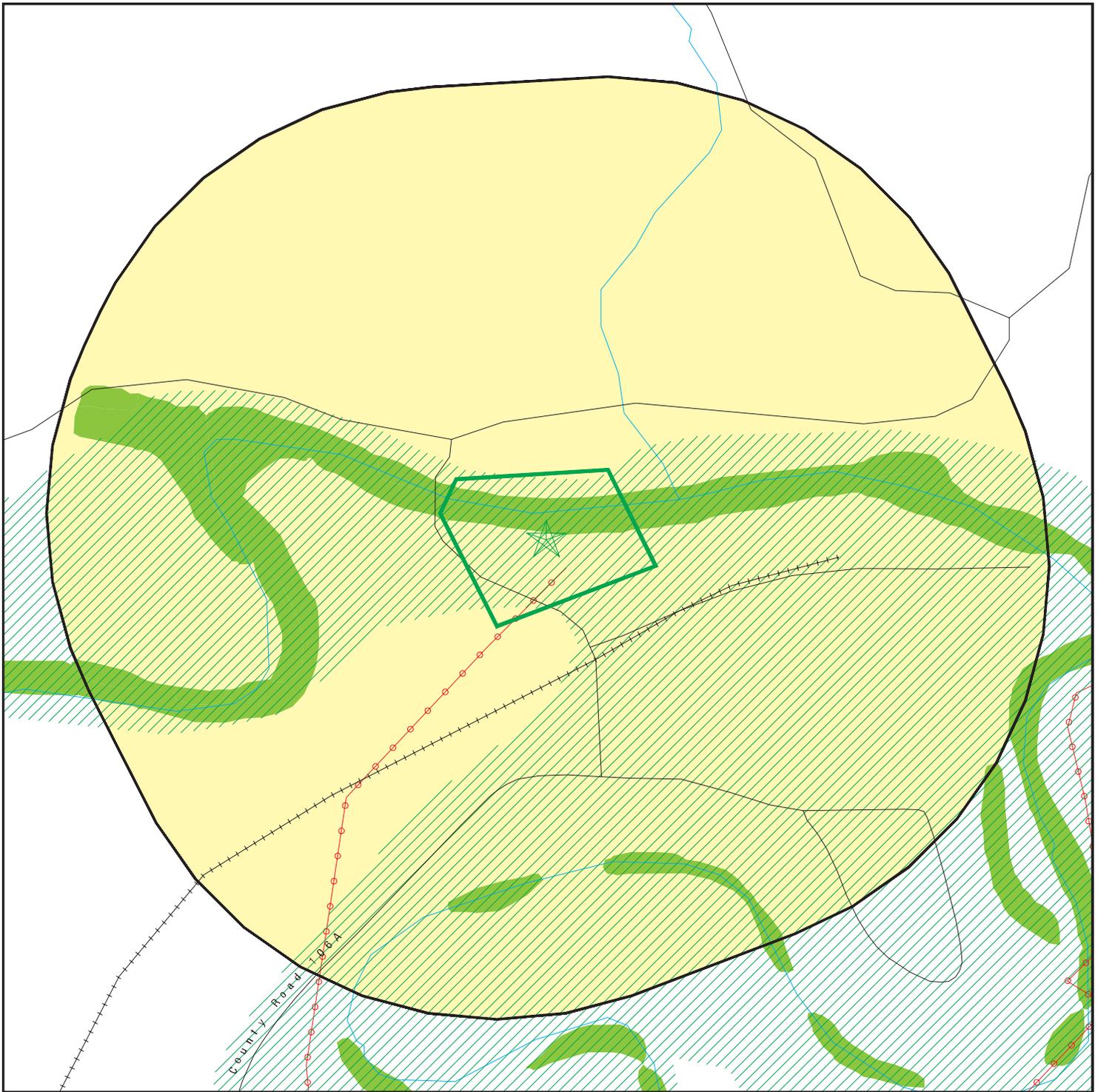


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Acme Power Plant  
 ADDRESS: 165 Acme Road  
 Ranchester WY 82839  
 LAT/LONG: 44.913011 / 106.987839

CLIENT: Weston Solutions, Inc.  
 CONTACT: Natalie Quiet  
 INQUIRY #: 4781263.2s  
 DATE: November 15, 2016 11:56 am

# DETAIL MAP - 4781263.2S



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  Sensitive Receptors
-  National Priority List Sites
-  Dept. Defense Sites



-  Indian Reservations BIA
-  Power transmission lines
-  100-year flood zone
-  500-year flood zone
-  National Wetland Inventory
-  State Wetlands



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

SITE NAME: Acme Power Plant  
 ADDRESS: 165 Acme Road  
 Ranchester WY 82839  
 LAT/LONG: 44.913011 / 106.987839

CLIENT: Weston Solutions, Inc.  
 CONTACT: Natalie Quiet  
 INQUIRY #: 4781263.2s  
 DATE: November 15, 2016 11:57 am

## MAP FINDINGS SUMMARY

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

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
TANKS	0.250		0	0	NR	NR	NR	0
<b>State and tribal institutional control / engineering control registries</b>								
ENG CONTROLS	0.500		0	0	0	NR	NR	0
INST CONTROL	0.500		0	0	0	NR	NR	0
<b>State and tribal voluntary cleanup sites</b>								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
<b>State and tribal Brownfields sites</b>								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b>ADDITIONAL ENVIRONMENTAL RECORDS</b>								
<b>Local Brownfield lists</b>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b>Local Lists of Landfill / Solid Waste Disposal Sites</b>								
SWRCY	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
<b>Local Lists of Hazardous waste / Contaminated Sites</b>								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
<b>Local Land Records</b>								
LIENS 2	TP		NR	NR	NR	NR	NR	0
<b>Records of Emergency Release Reports</b>								
HMIRS	TP		NR	NR	NR	NR	NR	0
SPILLS	TP		NR	NR	NR	NR	NR	0
<b>Other Ascertainable Records</b>								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
ABANDONED MINES	TP		NR	NR	NR	NR	NR	0
<b><u>EDR HIGH RISK HISTORICAL RECORDS</u></b>								
<b><i>EDR Exclusive Records</i></b>								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
<b><u>EDR RECOVERED GOVERNMENT ARCHIVES</u></b>								
<b><i>Exclusive Recovered Govt. Archives</i></b>								
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	0	0	0	0	0	0

## MAP FINDINGS SUMMARY

<u>Database</u>	<u>Search Distance (Miles)</u>	<u>Target Property</u>	<u>&lt; 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>&gt; 1</u>	<u>Total Plotted</u>
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NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

N/A = This State does not maintain a SHWS list. See the Federal CERCLIS list.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

NO SITES FOUND

Count: 0 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
NO SITES FOUND					

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

## STANDARD ENVIRONMENTAL RECORDS

### ***Federal NPL site list***

#### NPL: National Priority List

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

Date of Government Version: 03/07/2016	Source: EPA
Date Data Arrived at EDR: 04/05/2016	Telephone: N/A
Date Made Active in Reports: 04/15/2016	Last EDR Contact: 10/05/2016
Number of Days to Update: 10	Next Scheduled EDR Contact: 01/16/2017
	Data Release Frequency: Quarterly

#### NPL Site Boundaries

##### Sources:

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

EPA Region 1  
Telephone 617-918-1143

EPA Region 6  
Telephone: 214-655-6659

EPA Region 3  
Telephone 215-814-5418

EPA Region 7  
Telephone: 913-551-7247

EPA Region 4  
Telephone 404-562-8033

EPA Region 8  
Telephone: 303-312-6774

EPA Region 5  
Telephone 312-886-6686

EPA Region 9  
Telephone: 415-947-4246

EPA Region 10  
Telephone 206-553-8665

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

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

Date of Government Version: 03/07/2016	Source: EPA
Date Data Arrived at EDR: 04/05/2016	Telephone: N/A
Date Made Active in Reports: 04/15/2016	Last EDR Contact: 10/05/2016
Number of Days to Update: 10	Next Scheduled EDR Contact: 01/16/2017
	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	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***Federal Delisted NPL site list***

### Delisted NPL: National Priority List Deletions

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

Date of Government Version: 03/07/2016	Source: EPA
Date Data Arrived at EDR: 04/05/2016	Telephone: N/A
Date Made Active in Reports: 04/15/2016	Last EDR Contact: 10/05/2016
Number of Days to Update: 10	Next Scheduled EDR Contact: 01/16/2017
	Data Release Frequency: Quarterly

## ***Federal CERCLIS list***

### FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 09/14/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/04/2016	Telephone: 703-603-8704
Date Made Active in Reports: 10/21/2016	Last EDR Contact: 10/04/2016
Number of Days to Update: 17	Next Scheduled EDR Contact: 01/16/2017
	Data Release Frequency: Varies

### SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as CERCLIS, renamed to SEMS by the EPA in 2015. The list 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). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 03/07/2016	Source: EPA
Date Data Arrived at EDR: 04/05/2016	Telephone: 800-424-9346
Date Made Active in Reports: 04/15/2016	Last EDR Contact: 10/20/2016
Number of Days to Update: 10	Next Scheduled EDR Contact: 01/30/2017
	Data Release Frequency: Quarterly

## ***Federal CERCLIS NFRAP site list***

### SEMS-ARCHIVE: Superfund Enterprise Management System Archive

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS 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 the 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. The 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 potential NPL site.

Date of Government Version: 03/07/2016	Source: EPA
Date Data Arrived at EDR: 04/05/2016	Telephone: 800-424-9346
Date Made Active in Reports: 04/15/2016	Last EDR Contact: 10/20/2016
Number of Days to Update: 10	Next Scheduled EDR Contact: 01/30/2017
	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: 06/27/2016	Source: EPA
Date Data Arrived at EDR: 06/30/2016	Telephone: 800-424-9346
Date Made Active in Reports: 09/02/2016	Last EDR Contact: 09/28/2016
Number of Days to Update: 64	Next Scheduled EDR Contact: 01/09/2017
	Data Release Frequency: Quarterly

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

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

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

Date of Government Version: 06/21/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/30/2016	Telephone: 303-312-6149
Date Made Active in Reports: 09/02/2016	Last EDR Contact: 09/28/2016
Number of Days to Update: 64	Next Scheduled EDR Contact: 01/09/2017
	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: 06/21/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/30/2016	Telephone: 303-312-6149
Date Made Active in Reports: 09/02/2016	Last EDR Contact: 09/28/2016
Number of Days to Update: 64	Next Scheduled EDR Contact: 01/09/2017
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 06/21/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/30/2016	Telephone: 303-312-6149
Date Made Active in Reports: 09/02/2016	Last EDR Contact: 09/28/2016
Number of Days to Update: 64	Next Scheduled EDR Contact: 01/09/2017
	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: 06/21/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/30/2016	Telephone: 303-312-6149
Date Made Active in Reports: 09/02/2016	Last EDR Contact: 09/28/2016
Number of Days to Update: 64	Next Scheduled EDR Contact: 01/09/2017
	Data Release Frequency: Varies

## ***Federal institutional controls / engineering controls registries***

### LUCIS: Land Use Control Information System

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

Date of Government Version: 05/28/2015	Source: Department of the Navy
Date Data Arrived at EDR: 05/29/2015	Telephone: 843-820-7326
Date Made Active in Reports: 06/11/2015	Last EDR Contact: 10/14/2016
Number of Days to Update: 13	Next Scheduled EDR Contact: 11/28/2016
	Data Release Frequency: Varies

### 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: 05/09/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/01/2016	Telephone: 703-603-0695
Date Made Active in Reports: 09/02/2016	Last EDR Contact: 08/31/2016
Number of Days to Update: 93	Next Scheduled EDR Contact: 12/12/2016
	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: 05/09/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/01/2016	Telephone: 703-603-0695
Date Made Active in Reports: 09/02/2016	Last EDR Contact: 08/31/2016
Number of Days to Update: 93	Next Scheduled EDR Contact: 12/12/2016
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **Federal ERNS list**

ERNS: Emergency Response Notification System

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

Date of Government Version: 09/26/2016

Date Data Arrived at EDR: 09/29/2016

Date Made Active in Reports: 11/11/2016

Number of Days to Update: 43

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Last EDR Contact: 09/29/2016

Next Scheduled EDR Contact: 01/09/2017

Data Release Frequency: Annually

## **State- and tribal - equivalent CERCLIS**

SHWS: This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.

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

Date of Government Version: N/A

Date Data Arrived at EDR: N/A

Date Made Active in Reports: N/A

Number of Days to Update: N/A

Source: Department of Environmental Quality

Telephone: 307-777-7752

Last EDR Contact: 08/22/2016

Next Scheduled EDR Contact: 12/05/2016

Data Release Frequency: N/A

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

SWF/LF: Solid Waste Facility Database

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: 03/01/2016

Date Data Arrived at EDR: 03/03/2016

Date Made Active in Reports: 04/15/2016

Number of Days to Update: 43

Source: Department of Environmental Quality

Telephone: 307-777-7752

Last EDR Contact: 09/02/2016

Next Scheduled EDR Contact: 12/12/2016

Data Release Frequency: Varies

SHWF: Solid & Hazardous Waste Facility Database

A listing of Solid and Hazardous waste facility locations in the state.

Date of Government Version: 03/01/2016

Date Data Arrived at EDR: 03/03/2016

Date Made Active in Reports: 04/15/2016

Number of Days to Update: 43

Source: Department of Environmental Quality

Telephone: 307-777-7752

Last EDR Contact: 09/02/2016

Next Scheduled EDR Contact: 12/12/2016

Data Release Frequency: Annually

## **State and tribal leaking storage tank lists**

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 02/17/2016

Date Data Arrived at EDR: 04/27/2016

Date Made Active in Reports: 06/03/2016

Number of Days to Update: 37

Source: EPA, Region 5

Telephone: 312-886-7439

Last EDR Contact: 10/28/2016

Next Scheduled EDR Contact: 02/06/2017

Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 01/07/2016	Source: EPA Region 10
Date Data Arrived at EDR: 01/08/2016	Telephone: 206-553-2857
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 10/28/2016
Number of Days to Update: 41	Next Scheduled EDR Contact: 02/06/2017
	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: 12/11/2015	Source: EPA Region 6
Date Data Arrived at EDR: 02/19/2016	Telephone: 214-665-6597
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 10/28/2016
Number of Days to Update: 105	Next Scheduled EDR Contact: 02/06/2017
	Data Release Frequency: Varies

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

Date of Government Version: 02/25/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/27/2016	Telephone: 415-972-3372
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 10/28/2016
Number of Days to Update: 37	Next Scheduled EDR Contact: 02/06/2017
	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: 10/13/2015	Source: EPA Region 8
Date Data Arrived at EDR: 10/23/2015	Telephone: 303-312-6271
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 10/28/2016
Number of Days to Update: 118	Next Scheduled EDR Contact: 02/06/2017
	Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/09/2015	Source: EPA Region 7
Date Data Arrived at EDR: 02/12/2016	Telephone: 913-551-7003
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 10/28/2016
Number of Days to Update: 112	Next Scheduled EDR Contact: 02/06/2017
	Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land  
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/27/2015	Source: EPA Region 1
Date Data Arrived at EDR: 10/29/2015	Telephone: 617-918-1313
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 10/28/2016
Number of Days to Update: 67	Next Scheduled EDR Contact: 02/06/2017
	Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 02/05/2016	Source: EPA Region 4
Date Data Arrived at EDR: 04/29/2016	Telephone: 404-562-8677
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 10/28/2016
Number of Days to Update: 35	Next Scheduled EDR Contact: 02/06/2017
	Data Release Frequency: Semi-Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## LTANKS: Known Contaminated Sites

Leaking storage tank sites.

Date of Government Version: 07/07/2016  
Date Data Arrived at EDR: 07/15/2016  
Date Made Active in Reports: 11/14/2016  
Number of Days to Update: 122

Source: Department of Environmental Quality  
Telephone: 307-777-7781  
Last EDR Contact: 10/13/2016  
Next Scheduled EDR Contact: 01/23/2017  
Data Release Frequency: Annually

## **State and tribal registered storage tank lists**

### FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010  
Date Data Arrived at EDR: 02/16/2010  
Date Made Active in Reports: 04/12/2010  
Number of Days to Update: 55

Source: FEMA  
Telephone: 202-646-5797  
Last EDR Contact: 10/11/2016  
Next Scheduled EDR Contact: 01/23/2017  
Data Release Frequency: Varies

### UST: Underground Storage Tanks

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

Date of Government Version: 05/23/2008  
Date Data Arrived at EDR: 07/24/2008  
Date Made Active in Reports: 08/12/2008  
Number of Days to Update: 19

Source: Department of Environmental Quality  
Telephone: 307-777-7781  
Last EDR Contact: 07/20/2016  
Next Scheduled EDR Contact: 10/07/2016  
Data Release Frequency: Annually

### AST: Wyoming Aboveground Storage Tanks

Registered Aboveground Storage Tanks.

Date of Government Version: 05/23/2008  
Date Data Arrived at EDR: 07/24/2008  
Date Made Active in Reports: 08/13/2008  
Number of Days to Update: 20

Source: Department of Environmental Quality  
Telephone: 307-777-7781  
Last EDR Contact: 07/20/2016  
Next Scheduled EDR Contact: 10/07/2016  
Data Release Frequency: 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: 12/03/2015  
Date Data Arrived at EDR: 02/04/2016  
Date Made Active in Reports: 06/03/2016  
Number of Days to Update: 120

Source: EPA Region 6  
Telephone: 214-665-7591  
Last EDR Contact: 10/28/2016  
Next Scheduled EDR Contact: 02/06/2017  
Data Release Frequency: Semi-Annually

### INDIAN UST R7: Underground Storage Tanks on Indian Land

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

Date of Government Version: 09/23/2014  
Date Data Arrived at EDR: 11/25/2014  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 65

Source: EPA Region 7  
Telephone: 913-551-7003  
Last EDR Contact: 10/28/2016  
Next Scheduled EDR Contact: 02/06/2017  
Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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: 02/05/2016	Source: EPA Region 4
Date Data Arrived at EDR: 04/29/2016	Telephone: 404-562-9424
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 10/28/2016
Number of Days to Update: 35	Next Scheduled EDR Contact: 02/06/2017
	Data Release Frequency: Semi-Annually

### INDIAN UST R1: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/20/2015	Source: EPA, Region 1
Date Data Arrived at EDR: 10/29/2015	Telephone: 617-918-1313
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 10/28/2016
Number of Days to Update: 67	Next Scheduled EDR Contact: 02/06/2017
	Data Release Frequency: Varies

### 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: 11/05/2015	Source: EPA Region 5
Date Data Arrived at EDR: 11/13/2015	Telephone: 312-886-6136
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 10/28/2016
Number of Days to Update: 52	Next Scheduled EDR Contact: 02/06/2017
	Data Release Frequency: Varies

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

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

Date of Government Version: 01/26/2016	Source: EPA Region 8
Date Data Arrived at EDR: 02/05/2016	Telephone: 303-312-6137
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 10/28/2016
Number of Days to Update: 119	Next Scheduled EDR Contact: 02/06/2017
	Data Release Frequency: Quarterly

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

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

Date of Government Version: 01/07/2016	Source: EPA Region 10
Date Data Arrived at EDR: 01/08/2016	Telephone: 206-553-2857
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 10/28/2016
Number of Days to Update: 41	Next Scheduled EDR Contact: 02/06/2017
	Data Release Frequency: Quarterly

### INDIAN UST R9: Underground Storage Tanks on Indian Land

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

Date of Government Version: 02/25/2016	Source: EPA Region 9
Date Data Arrived at EDR: 04/27/2016	Telephone: 415-972-3368
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 10/28/2016
Number of Days to Update: 37	Next Scheduled EDR Contact: 02/06/2017
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## TANKS: Storage Tank Listing

A listing of aboveground and underground storage tank locations.

Date of Government Version: 07/07/2016	Source: Department of Environmental Quality
Date Data Arrived at EDR: 07/15/2016	Telephone: 307-777-7752
Date Made Active in Reports: 11/14/2016	Last EDR Contact: 10/14/2016
Number of Days to Update: 122	Next Scheduled EDR Contact: 01/23/2017
	Data Release Frequency: Varies

## **State and tribal institutional control / engineering control registries**

### ENG CONTROLS: Engineering Controls Site Listing

A listing of sites with engineering controls in place.

Date of Government Version: 09/08/2009	Source: Department of Environmental Quality
Date Data Arrived at EDR: 09/08/2009	Telephone: 307-777-5547
Date Made Active in Reports: 09/30/2009	Last EDR Contact: 08/22/2016
Number of Days to Update: 22	Next Scheduled EDR Contact: 12/05/2016
	Data Release Frequency: Quarterly

### INST CONTROL: Sites with Institutional Controls

Voluntary Remediation Program sites with institutional Controls in place.

Date of Government Version: 08/11/2016	Source: Department of Environmental Quality
Date Data Arrived at EDR: 08/24/2016	Telephone: 307-777-7752
Date Made Active in Reports: 11/11/2016	Last EDR Contact: 08/22/2016
Number of Days to Update: 79	Next Scheduled EDR Contact: 12/05/2016
	Data Release Frequency: Varies

## **State and tribal voluntary cleanup sites**

### INDIAN VCP R7: Voluntary Cleanup Priority Listing

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: 07/20/2009
	Data Release Frequency: Varies

### 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: 07/27/2015	Source: EPA, Region 1
Date Data Arrived at EDR: 09/29/2015	Telephone: 617-918-1102
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 09/26/2016
Number of Days to Update: 142	Next Scheduled EDR Contact: 01/09/2017
	Data Release Frequency: Varies

### VCP: List of Voluntary Remediation Program Sites

A listing of sites participating in the Voluntary Remediation Program.

Date of Government Version: 08/11/2016	Source: Department of Environmental Quality
Date Data Arrived at EDR: 08/24/2016	Telephone: 307-777-5447
Date Made Active in Reports: 11/11/2016	Last EDR Contact: 08/22/2016
Number of Days to Update: 79	Next Scheduled EDR Contact: 12/05/2016
	Data Release Frequency: Varies

## **State and tribal Brownfields sites**

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## BROWNFIELDS: Brownfields Sites Listing

A listing of Brownfields sites locations. Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment.

Date of Government Version: 08/11/2016  
Date Data Arrived at EDR: 08/24/2016  
Date Made Active in Reports: 11/11/2016  
Number of Days to Update: 79

Source: Department of Environmental Quality  
Telephone: 307-777-7752  
Last EDR Contact: 08/22/2016  
Next Scheduled EDR Contact: 12/05/2016  
Data Release Frequency: Varies

## ADDITIONAL ENVIRONMENTAL RECORDS

### ***Local Brownfield lists***

#### US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 09/20/2016  
Date Data Arrived at EDR: 09/21/2016  
Date Made Active in Reports: 11/11/2016  
Number of Days to Update: 51

Source: Environmental Protection Agency  
Telephone: 202-566-2777  
Last EDR Contact: 09/21/2016  
Next Scheduled EDR Contact: 01/02/2017  
Data Release Frequency: Semi-Annually

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

#### SWRCY: Recycling Facilities

A listing of recycling facility locations.

Date of Government Version: 09/30/2009  
Date Data Arrived at EDR: 11/02/2009  
Date Made Active in Reports: 11/25/2009  
Number of Days to Update: 23

Source: Department of Environmental Quality  
Telephone: 307-777-7752  
Last EDR Contact: 09/02/2016  
Next Scheduled EDR Contact: 09/12/2016  
Data Release Frequency: Annually

#### 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: 10/31/2016  
Next Scheduled EDR Contact: 02/13/2017  
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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009  
Date Data Arrived at EDR: 05/07/2009  
Date Made Active in Reports: 09/21/2009  
Number of Days to Update: 137

Source: EPA, Region 9  
Telephone: 415-947-4219  
Last EDR Contact: 10/24/2016  
Next Scheduled EDR Contact: 02/06/2017  
Data Release Frequency: No Update Planned

## IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014  
Date Data Arrived at EDR: 08/06/2014  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 176

Source: Department of Health & Human Services, Indian Health Service  
Telephone: 301-443-1452  
Last EDR Contact: 11/04/2016  
Next Scheduled EDR Contact: 02/13/2017  
Data Release Frequency: Varies

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

### US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 08/31/2016  
Date Data Arrived at EDR: 09/06/2016  
Date Made Active in Reports: 09/23/2016  
Number of Days to Update: 17

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 08/31/2016  
Next Scheduled EDR Contact: 10/10/2016  
Data Release Frequency: No Update Planned

### CDL: Clandestine Drug Lab Site Locations

Information collected by the Wyoming Department of Health concerning Drug Lab Sites.

Date of Government Version: 07/18/2016  
Date Data Arrived at EDR: 09/13/2016  
Date Made Active in Reports: 11/11/2016  
Number of Days to Update: 59

Source: Department of Health  
Telephone: 307-777-8736  
Last EDR Contact: 09/06/2016  
Next Scheduled EDR Contact: 12/19/2016  
Data Release Frequency: Varies

### US CDL: Clandestine Drug Labs

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

Date of Government Version: 08/30/2016  
Date Data Arrived at EDR: 09/06/2016  
Date Made Active in Reports: 09/23/2016  
Number of Days to Update: 17

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 08/31/2016  
Next Scheduled EDR Contact: 12/12/2016  
Data Release Frequency: Quarterly

## **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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/18/2014  
Date Data Arrived at EDR: 03/18/2014  
Date Made Active in Reports: 04/24/2014  
Number of Days to Update: 37

Source: Environmental Protection Agency  
Telephone: 202-564-6023  
Last EDR Contact: 10/28/2016  
Next Scheduled EDR Contact: 02/06/2017  
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: 06/27/2016  
Date Data Arrived at EDR: 06/28/2016  
Date Made Active in Reports: 09/23/2016  
Number of Days to Update: 37

Source: U.S. Department of Transportation  
Telephone: 202-366-4555  
Last EDR Contact: 09/27/2016  
Next Scheduled EDR Contact: 01/09/2017  
Data Release Frequency: Annually

### SPILLS: SPILL Database

Spills reported to the Department of Environmental Quality

Date of Government Version: 07/06/2016  
Date Data Arrived at EDR: 08/19/2016  
Date Made Active in Reports: 11/14/2016  
Number of Days to Update: 87

Source: Department of Environmental Quality  
Telephone: 307-777-7783  
Last EDR Contact: 08/19/2016  
Next Scheduled EDR Contact: 11/28/2016  
Data Release Frequency: Varies

## **Other Ascertainable Records**

### RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

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: 06/21/2016  
Date Data Arrived at EDR: 06/30/2016  
Date Made Active in Reports: 09/02/2016  
Number of Days to Update: 64

Source: Environmental Protection Agency  
Telephone: 303-312-6149  
Last EDR Contact: 09/28/2016  
Next Scheduled EDR Contact: 01/09/2017  
Data Release Frequency: Varies

### 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: 01/31/2015  
Date Data Arrived at EDR: 07/08/2015  
Date Made Active in Reports: 10/13/2015  
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers  
Telephone: 202-528-4285  
Last EDR Contact: 09/09/2016  
Next Scheduled EDR Contact: 12/19/2016  
Data Release Frequency: Varies

### DOD: Department of Defense Sites

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

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 11/10/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 62

Source: USGS  
Telephone: 888-275-8747  
Last EDR Contact: 10/14/2016  
Next Scheduled EDR Contact: 01/23/2017  
Data Release Frequency: Semi-Annually

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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	Source: U.S. Geological Survey
Date Data Arrived at EDR: 02/06/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 10/14/2016
Number of Days to Update: 339	Next Scheduled EDR Contact: 01/23/2017
	Data Release Frequency: N/A

### SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/09/2011	Telephone: 615-532-8599
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 10/20/2016
Number of Days to Update: 54	Next Scheduled EDR Contact: 11/28/2016
	Data Release Frequency: Varies

### US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 07/12/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/17/2016	Telephone: 202-566-1917
Date Made Active in Reports: 10/21/2016	Last EDR Contact: 08/17/2016
Number of Days to Update: 65	Next Scheduled EDR Contact: 11/28/2016
	Data Release Frequency: Quarterly

### EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/21/2014	Telephone: 617-520-3000
Date Made Active in Reports: 06/17/2014	Last EDR Contact: 11/08/2016
Number of Days to Update: 88	Next Scheduled EDR Contact: 02/20/2017
	Data Release Frequency: Quarterly

### 2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 04/22/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/03/2015	Telephone: 703-308-4044
Date Made Active in Reports: 03/09/2015	Last EDR Contact: 11/11/2016
Number of Days to Update: 6	Next Scheduled EDR Contact: 02/20/2017
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 12/31/2012	Source: EPA
Date Data Arrived at EDR: 01/15/2015	Telephone: 202-260-5521
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 09/23/2016
Number of Days to Update: 14	Next Scheduled EDR Contact: 01/02/2017
	Data Release Frequency: Every 4 Years

## 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: 12/31/2014	Source: EPA
Date Data Arrived at EDR: 11/24/2015	Telephone: 202-566-0250
Date Made Active in Reports: 04/05/2016	Last EDR Contact: 08/26/2016
Number of Days to Update: 133	Next Scheduled EDR Contact: 12/05/2016
	Data Release Frequency: Annually

## SSTS: Section 7 Tracking Systems

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

Date of Government Version: 12/31/2009	Source: EPA
Date Data Arrived at EDR: 12/10/2010	Telephone: 202-564-4203
Date Made Active in Reports: 02/25/2011	Last EDR Contact: 10/24/2016
Number of Days to Update: 77	Next Scheduled EDR Contact: 02/06/2017
	Data Release Frequency: Annually

## ROD: Records Of Decision

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

Date of Government Version: 11/25/2013	Source: EPA
Date Data Arrived at EDR: 12/12/2013	Telephone: 703-416-0223
Date Made Active in Reports: 02/24/2014	Last EDR Contact: 09/09/2016
Number of Days to Update: 74	Next Scheduled EDR Contact: 12/19/2016
	Data Release Frequency: Annually

## RMP: Risk Management Plans

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 08/01/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/22/2016	Telephone: 202-564-8600
Date Made Active in Reports: 11/11/2016	Last EDR Contact: 07/25/2016
Number of Days to Update: 81	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Varies

## RAATS: RCRA Administrative Action Tracking System

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

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

## PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 10/17/2014	Telephone: 202-564-6023
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 11/07/2016
Number of Days to Update: 3	Next Scheduled EDR Contact: 02/20/2017
	Data Release Frequency: Quarterly

## PADS: PCB Activity Database System

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

Date of Government Version: 01/20/2016	Source: EPA
Date Data Arrived at EDR: 04/28/2016	Telephone: 202-566-0500
Date Made Active in Reports: 09/02/2016	Last EDR Contact: 10/14/2016
Number of Days to Update: 127	Next Scheduled EDR Contact: 01/23/2017
	Data Release Frequency: Annually

## ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 07/27/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/05/2016	Telephone: 202-564-5088
Date Made Active in Reports: 10/21/2016	Last EDR Contact: 10/11/2016
Number of Days to Update: 77	Next Scheduled EDR Contact: 01/23/2017
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 04/09/2009	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: 08/17/2016
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/05/2016
	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: 08/17/2016
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/05/2016
	Data Release Frequency: Quarterly

**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: 08/30/2016	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 09/08/2016	Telephone: 301-415-7169
Date Made Active in Reports: 10/21/2016	Last EDR Contact: 11/07/2016
Number of Days to Update: 43	Next Scheduled EDR Contact: 02/20/2017
	Data Release Frequency: Quarterly

**COAL ASH DOE: Steam-Electric Plant Operation Data**

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 09/09/2016
Number of Days to Update: 76	Next Scheduled EDR Contact: 12/19/2016
	Data Release Frequency: Varies

**COAL ASH EPA: Coal Combustion Residues Surface Impoundments List**

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2014	Telephone: N/A
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 09/06/2016
Number of Days to Update: 40	Next Scheduled EDR Contact: 12/19/2016
	Data Release Frequency: Varies

**PCB TRANSFORMER: PCB Transformer Registration Database**

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

Date of Government Version: 02/01/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/19/2011	Telephone: 202-566-0517
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 10/28/2016
Number of Days to Update: 83	Next Scheduled EDR Contact: 02/06/2017
	Data Release Frequency: Varies

**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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/03/2016  
Date Data Arrived at EDR: 10/05/2016  
Date Made Active in Reports: 10/21/2016  
Number of Days to Update: 16

Source: Environmental Protection Agency  
Telephone: 202-343-9775  
Last EDR Contact: 10/05/2016  
Next Scheduled EDR Contact: 01/16/2017  
Data Release Frequency: Quarterly

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

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

Date of Government Version: 10/19/2006  
Date Data Arrived at EDR: 03/01/2007  
Date Made Active in Reports: 04/10/2007  
Number of Days to Update: 40

Source: Environmental Protection Agency  
Telephone: 202-564-2501  
Last EDR Contact: 12/17/2007  
Next Scheduled EDR Contact: 03/17/2008  
Data Release Frequency: No Update Planned

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

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

Date of Government Version: 10/19/2006  
Date Data Arrived at EDR: 03/01/2007  
Date Made Active in Reports: 04/10/2007  
Number of Days to Update: 40

Source: Environmental Protection Agency  
Telephone: 202-564-2501  
Last EDR Contact: 12/17/2008  
Next Scheduled EDR Contact: 03/17/2008  
Data Release Frequency: No Update Planned

## DOT OPS: Incident and Accident Data

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

Date of Government Version: 07/31/2012  
Date Data Arrived at EDR: 08/07/2012  
Date Made Active in Reports: 09/18/2012  
Number of Days to Update: 42

Source: Department of Transportation, Office of Pipeline Safety  
Telephone: 202-366-4595  
Last EDR Contact: 11/02/2016  
Next Scheduled EDR Contact: 02/13/2017  
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: 03/31/2016  
Date Data Arrived at EDR: 08/01/2016  
Date Made Active in Reports: 09/23/2016  
Number of Days to Update: 53

Source: Department of Justice, Consent Decree Library  
Telephone: Varies  
Last EDR Contact: 09/26/2016  
Next Scheduled EDR Contact: 01/09/2017  
Data Release Frequency: Varies

## BRS: Biennial Reporting System

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

Date of Government Version: 12/31/2013  
Date Data Arrived at EDR: 02/24/2015  
Date Made Active in Reports: 09/30/2015  
Number of Days to Update: 218

Source: EPA/NTIS  
Telephone: 800-424-9346  
Last EDR Contact: 08/26/2016  
Next Scheduled EDR Contact: 12/05/2016  
Data Release Frequency: Biennially

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 10/14/2016
Number of Days to Update: 34	Next Scheduled EDR Contact: 01/23/2017
	Data Release Frequency: Semi-Annually

## FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 07/21/2016	Source: Department of Energy
Date Data Arrived at EDR: 07/26/2016	Telephone: 202-586-3559
Date Made Active in Reports: 09/23/2016	Last EDR Contact: 11/08/2016
Number of Days to Update: 59	Next Scheduled EDR Contact: 02/20/2017
	Data Release Frequency: Varies

## UMTRA: Uranium Mill Tailings Sites

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

Date of Government Version: 09/14/2010	Source: Department of Energy
Date Data Arrived at EDR: 10/07/2011	Telephone: 505-845-0011
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 09/09/2016
Number of Days to Update: 146	Next Scheduled EDR Contact: 12/05/2016
	Data Release Frequency: Varies

## LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 03/07/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/07/2016	Telephone: 703-603-8787
Date Made Active in Reports: 09/02/2016	Last EDR Contact: 10/20/2016
Number of Days to Update: 148	Next Scheduled EDR Contact: 01/16/2017
	Data Release Frequency: Varies

## LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001	Source: American Journal of Public Health
Date Data Arrived at EDR: 10/27/2010	Telephone: 703-305-6451
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 12/02/2009
Number of Days to Update: 36	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/30/2016  
Date Data Arrived at EDR: 07/25/2016  
Date Made Active in Reports: 10/21/2016  
Number of Days to Update: 88

Source: EPA  
Telephone: 202-564-2496  
Last EDR Contact: 09/26/2016  
Next Scheduled EDR Contact: 01/09/2017  
Data Release Frequency: Annually

## US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 06/30/2016  
Date Data Arrived at EDR: 07/25/2016  
Date Made Active in Reports: 10/21/2016  
Number of Days to Update: 88

Source: EPA  
Telephone: 202-564-2496  
Last EDR Contact: 09/26/2016  
Next Scheduled EDR Contact: 01/09/2017  
Data Release Frequency: Annually

## US MINES: Mines Master Index File

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

Date of Government Version: 08/05/2016  
Date Data Arrived at EDR: 09/01/2016  
Date Made Active in Reports: 09/23/2016  
Number of Days to Update: 22

Source: Department of Labor, Mine Safety and Health Administration  
Telephone: 303-231-5959  
Last EDR Contact: 09/01/2016  
Next Scheduled EDR Contact: 12/12/2016  
Data Release Frequency: Semi-Annually

## US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005  
Date Data Arrived at EDR: 02/29/2008  
Date Made Active in Reports: 04/18/2008  
Number of Days to Update: 49

Source: USGS  
Telephone: 703-648-7709  
Last EDR Contact: 09/02/2016  
Next Scheduled EDR Contact: 12/12/2016  
Data Release Frequency: Varies

## US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011  
Date Data Arrived at EDR: 06/08/2011  
Date Made Active in Reports: 09/13/2011  
Number of Days to Update: 97

Source: USGS  
Telephone: 703-648-7709  
Last EDR Contact: 09/02/2016  
Next Scheduled EDR Contact: 12/12/2016  
Data Release Frequency: Varies

## FINDS: Facility Index System/Facility Registry System

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

Date of Government Version: 07/15/2016  
Date Data Arrived at EDR: 09/07/2016  
Date Made Active in Reports: 11/11/2016  
Number of Days to Update: 65

Source: EPA  
Telephone: (303) 312-6312  
Last EDR Contact: 09/07/2016  
Next Scheduled EDR Contact: 12/19/2016  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 06/02/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/03/2016	Telephone: 202-564-0527
Date Made Active in Reports: 09/02/2016	Last EDR Contact: 08/24/2016
Number of Days to Update: 91	Next Scheduled EDR Contact: 12/12/2016
	Data Release Frequency: Varies

## UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 10/25/2015	Source: Department of Defense
Date Data Arrived at EDR: 01/29/2016	Telephone: 571-373-0407
Date Made Active in Reports: 04/05/2016	Last EDR Contact: 10/17/2016
Number of Days to Update: 67	Next Scheduled EDR Contact: 01/30/2017
	Data Release Frequency: Varies

## Financial Assurance: Financial Assurance Information listing

Information for underground storage tanks. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 05/23/2008	Source: Department of Environmental Quality
Date Data Arrived at EDR: 06/17/2008	Telephone: 307-777-7095
Date Made Active in Reports: 07/24/2008	Last EDR Contact: 07/20/2016
Number of Days to Update: 37	Next Scheduled EDR Contact: 10/07/2016
	Data Release Frequency: Annually

## MINES: Mine Locations Listing

Coal mine locations and production; commodity mine locations; mining lease boundaries for the Powder River Basin; Mine permit boundaries for the BLM Rawlins Field Office.

Date of Government Version: 02/10/2015	Source: Wyoming Geographic Information Science Center
Date Data Arrived at EDR: 06/11/2015	Telephone: 307-766-2532
Date Made Active in Reports: 06/30/2015	Last EDR Contact: 09/30/2016
Number of Days to Update: 19	Next Scheduled EDR Contact: 01/09/2017
	Data Release Frequency: Varies

## UIC: UIC Well Locations List

A listing of Class I and Class V UIC wells.

Date of Government Version: 05/31/2016	Source: Department of Environmental Quality
Date Data Arrived at EDR: 06/02/2016	Telephone: 307-777-5623
Date Made Active in Reports: 09/15/2016	Last EDR Contact: 09/02/2016
Number of Days to Update: 105	Next Scheduled EDR Contact: 12/12/2016
	Data Release Frequency: Varies

## NPDES: Wastewater Permit Listing

A listing of facilities with wastewater permits.

Date of Government Version: 06/07/2016	Source: Department of Environmental Quality
Date Data Arrived at EDR: 06/16/2016	Telephone: 307-777-7570
Date Made Active in Reports: 07/20/2016	Last EDR Contact: 09/06/2016
Number of Days to Update: 34	Next Scheduled EDR Contact: 12/19/2016
	Data Release Frequency: Varies

## ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/09/2016  
Date Data Arrived at EDR: 06/13/2016  
Date Made Active in Reports: 09/02/2016  
Number of Days to Update: 81

Source: Department of Interior  
Telephone: 202-208-2609  
Last EDR Contact: 09/12/2016  
Next Scheduled EDR Contact: 12/26/2016  
Data Release Frequency: Quarterly

## ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 09/18/2016  
Date Data Arrived at EDR: 09/20/2016  
Date Made Active in Reports: 10/21/2016  
Number of Days to Update: 31

Source: Environmental Protection Agency  
Telephone: 202-564-2280  
Last EDR Contact: 09/20/2016  
Next Scheduled EDR Contact: 01/02/2017  
Data Release Frequency: Quarterly

## FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 08/22/2016  
Date Data Arrived at EDR: 08/23/2016  
Date Made Active in Reports: 10/21/2016  
Number of Days to Update: 59

Source: EPA  
Telephone: 800-385-6164  
Last EDR Contact: 08/23/2016  
Next Scheduled EDR Contact: 12/05/2016  
Data Release Frequency: Quarterly

## EDR HIGH RISK HISTORICAL RECORDS

### *EDR Exclusive Records*

#### EDR MGP: EDR Proprietary Manufactured Gas Plants

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

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

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

#### EDR Hist Auto: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

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

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## EDR Hist Cleaner: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

## EDR RECOVERED GOVERNMENT ARCHIVES

### *Exclusive Recovered Govt. Archives*

#### RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Quality in Wyoming.

Date of Government Version: N/A	Source: Department of Environmental Quality
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 01/17/2014	Last EDR Contact: 06/01/2012
Number of Days to Update: 200	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

#### RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Quality in Wyoming.

Date of Government Version: N/A	Source: Department of Environmental Quality
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 01/04/2014	Last EDR Contact: 06/01/2012
Number of Days to Update: 187	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

## OTHER DATABASE(S)

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

#### 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: 08/01/2016	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 08/03/2016	Telephone: 518-402-8651
Date Made Active in Reports: 09/09/2016	Last EDR Contact: 11/02/2016
Number of Days to Update: 37	Next Scheduled EDR Contact: 02/13/2017
	Data Release Frequency: Annually

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### Oil/Gas Pipelines

Source: PennWell Corporation  
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

### Electric Power Transmission Line Data

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

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

### AHA Hospitals:

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

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

### Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services  
Telephone: 410-786-3000

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

### Nursing Homes

Source: National Institutes of Health  
Telephone: 301-594-6248

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

### Public Schools

Source: National Center for Education Statistics  
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

### Private Schools

Source: National Center for Education Statistics  
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

### Daycare Centers: Day Care Provider List

Source: Department of Family Services  
Telephone: 307-777-6595

**Flood Zone Data:** This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA  
Telephone: 877-336-2627  
Date of Government Version: 2003, 2015

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

### State Wetlands Data: National Wetlands Inventory

Source: Wyoming Geospatial Hub  
Telephone: 307-777-4600

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Current USGS 7.5 Minute Topographic Map  
Source: U.S. Geological Survey

## STREET AND ADDRESS INFORMATION

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## GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE ADDENDUM

### TARGET PROPERTY ADDRESS

ACME POWER PLANT  
165 ACME ROAD  
RANCHESTER, WY 82839

### TARGET PROPERTY COORDINATES

Latitude (North): 44.913011 - 44° 54' 46.84"  
Longitude (West): 106.987839 - 106° 59' 16.22"  
Universal Tranverse Mercator: Zone 13  
UTM X (Meters): 343086.2  
UTM Y (Meters): 4974992.0  
Elevation: 3634 ft. above sea level

### USGS TOPOGRAPHIC MAP

Target Property Map: 5656291 ACME, WY  
Version Date: 2012  
  
Northwest Map: 5655964 MONARCH, WY  
Version Date: 2012

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 principal investigative components:

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

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

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW DIRECTION INFORMATION

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

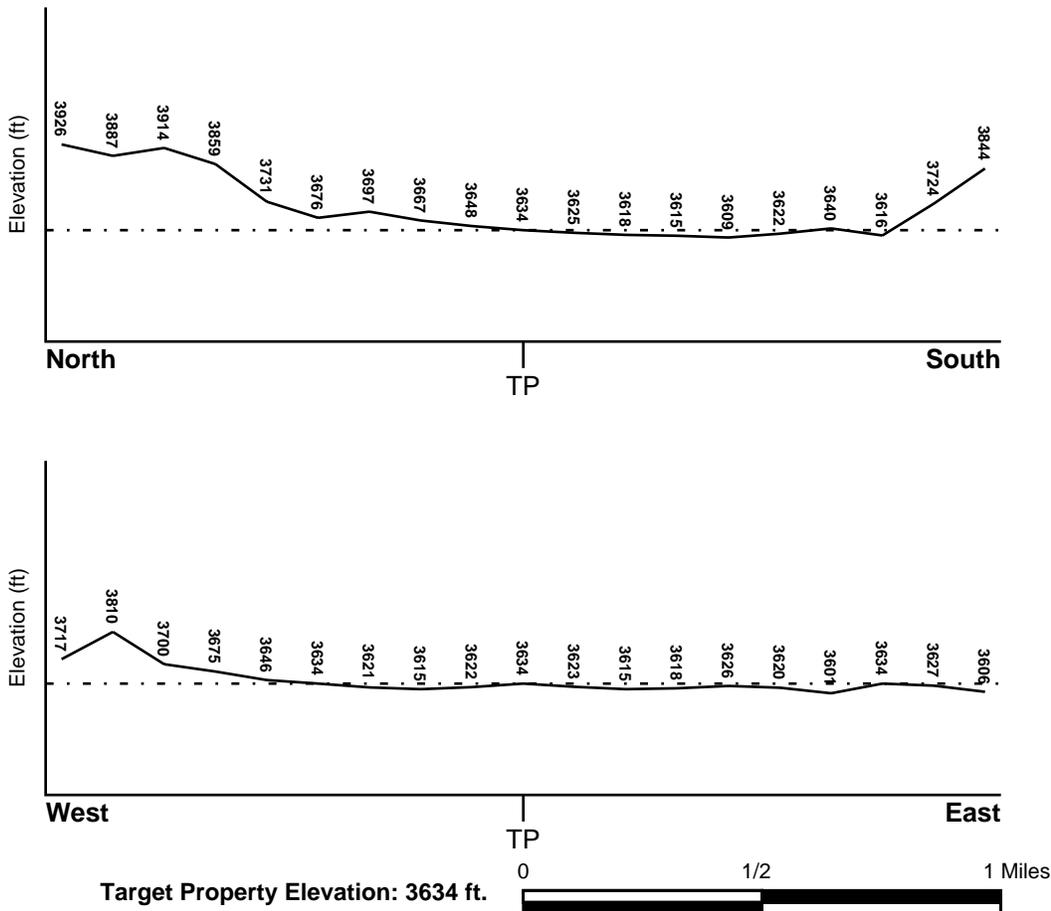
## TOPOGRAPHIC INFORMATION

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

## TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General South

## SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## HYDROLOGIC INFORMATION

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

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

## **FEMA FLOOD ZONE**

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
56033C0400E	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
56033C0375E	FEMA FIRM Flood data

## **NATIONAL WETLAND INVENTORY**

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
ACME	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.

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

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

### **GROUNDWATER FLOW VELOCITY INFORMATION**

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

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

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

#### **ROCK STRATIGRAPHIC UNIT**

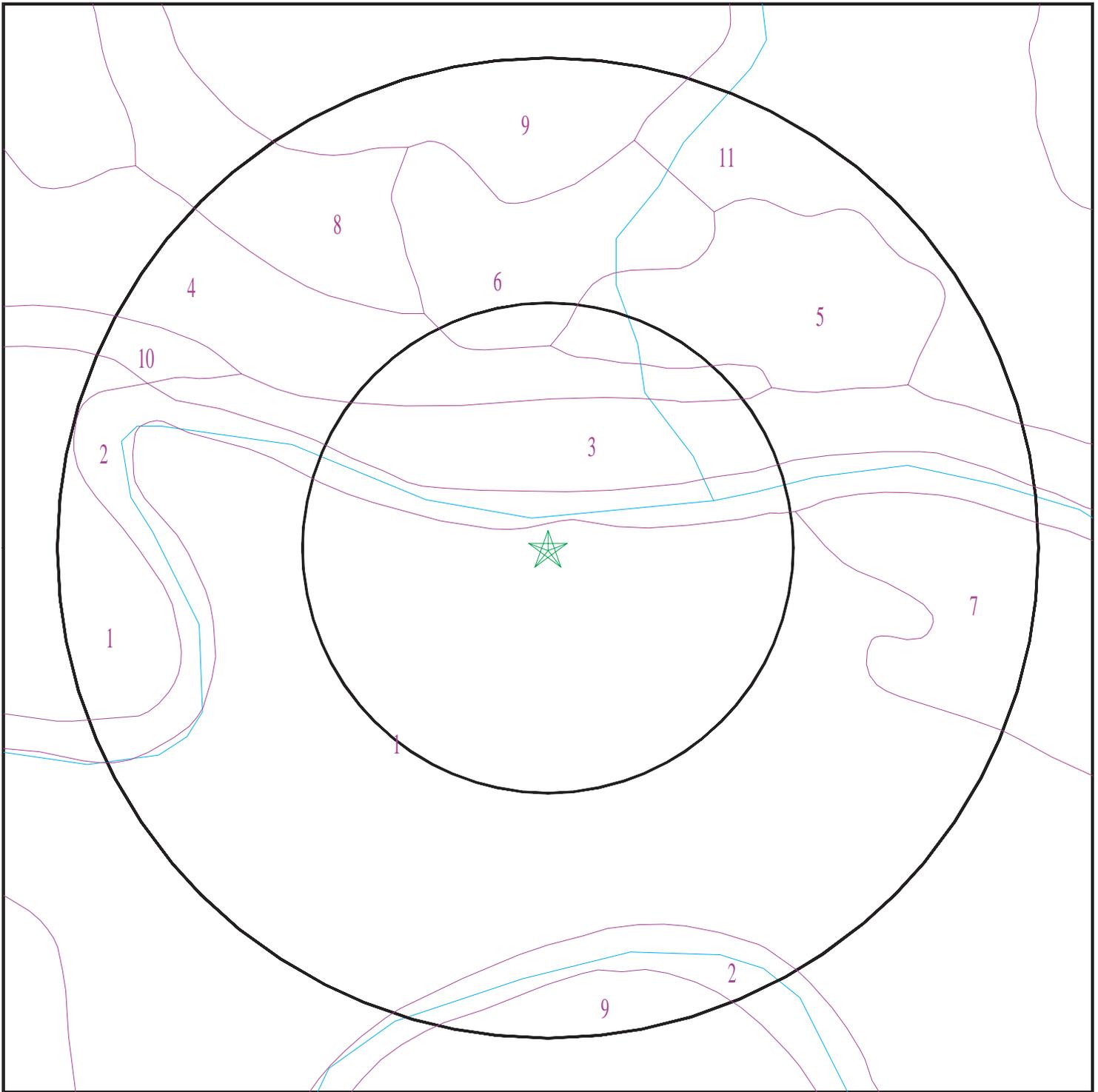
Era: Cenozoic  
System: Tertiary  
Series: Paleocene  
Code: Txc (*decoded above as Era, System & Series*)

#### **GEOLOGIC AGE IDENTIFICATION**

Category: Continental Deposits

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 - 4781263.2s



- ★ Target Property
- SSURGO Soil
- Water



SITE NAME: Acme Power Plant  
ADDRESS: 165 Acme Road  
Ranchester WY 82839  
LAT/LONG: 44.913011 / 106.987839

CLIENT: Weston Solutions, Inc.  
CONTACT: Natalie Quiet  
INQUIRY #: 4781263.2s  
DATE: November 15, 2016 11:57 am

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## 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: Haverdad

Soil Surface Texture: stratified sandy loam to clay 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: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	1 inches	59 inches	stratified sandy loam to 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 Soils.	Max: 14.1 Min: 4.23	Max: 9 Min: 7.9
2	0 inches	1 inches	very fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42.3 Min: 14.1	Max: 8.4 Min: 7.4

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### Soil Map ID: 2

Soil Component Name: Water

Soil Surface Texture: stratified sandy loam to clay 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:  
Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

### Soil Map ID: 3

Soil Component Name: Haverdad

Soil Surface Texture: stratified sandy loam to clay 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: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	1 inches	59 inches	stratified sandy loam to 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: 14.1 Min: 4.23	Max: 9 Min: 7.9

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	0 inches	1 inches	very fine sandy 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. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 14	Max: 8.4 Min: 7.4

### Soil Map ID: 4

Soil Component Name: Shingle

Soil Surface Texture: 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: Well drained

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	1 inches	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: 14.11 Min: 4.23	Max: 8.4 Min: 7.4

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	1 inches	14 inches	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 Soils.	Max: 14.11 Min: 4.23	Max: 9 Min: 7.9
3	14 inches	59 inches	bedrock	Not reported	Not reported	Max: 1.41 Min: 0	Max: Min:

### Soil Map ID: 5

Soil Component Name: Big Horn

Soil Surface Texture: gravelly clay 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: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	29 inches	59 inches	gravelly clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel	Max: 14.1 Min: 4.23	Max: 9 Min: 7.9
2	16 inches	29 inches	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 Soils.	Max: 1.41 Min: 0.423	Max: 9 Min: 7.9

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
3	5 inches	16 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.41 Min: 0.423	Max: 7.3 Min: 6.6
4	0 inches	5 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14.1 Min: 4.23	Max: 7.3 Min: 6.6

**Soil Map ID: 6**

Soil Component Name:                    Zigweid

Soil Surface Texture:                    loam

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

Soil Drainage Class:                      Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min:                    > 0 inches

Depth to Watertable Min:                > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	3 inches	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 Soils.	Max: 14.11 Min: 4.23	Max: 8.4 Min: 7.4

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	3 inches	12 inches	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 Soils.	Max: 14.11 Min: 4.23	Max: 8.4 Min: 7.9
3	12 inches	59 inches	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 Soils.	Max: 14.11 Min: 4.23	Max: 9 Min: 7.9

**Soil Map ID: 7**

Soil Component Name: Clarkelen

Soil Surface Texture: stratified loamy coarse sand to clay loam

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

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	9 inches	59 inches	stratified loamy coarse sand to clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42.3 Min: 14.1	Max: 9 Min: 7.9

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	0 inches	9 inches	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. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14.1 Min: 4.23	Max: 8.4 Min: 7.4

**Soil Map ID: 8**

Soil Component Name: Shingle

Soil Surface Texture: 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: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	1 inches	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: 14.11 Min: 4.23	Max: 8.4 Min: 7.4

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	1 inches	14 inches	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 Soils.	Max: 14.11 Min: 4.23	Max: 9 Min: 7.9
3	14 inches	59 inches	bedrock	Not reported	Not reported	Max: 1.41 Min: 0	Max: Min:

---

### Soil Map ID: 9

Soil Component Name: Ustic Torriorthents

Soil Surface Texture: 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: Well drained

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

---

### Soil Map ID: 10

Soil Component Name: Shingle

Soil Surface Texture: 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: Well drained

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	1 inches	14 inches	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: 14.11 Min: 4.23	Max: 9 Min: 7.9
2	14 inches	59 inches	bedrock	Not reported	Not reported	Max: 1.41 Min: 0	Max: Min:
3	0 inches	1 inches	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: 14.11 Min: 4.23	Max: 8.4 Min: 7.4

### Soil Map ID: 11

Soil Component Name: Bidman

Soil Surface Texture: clay 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: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	25 inches	59 inches	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 Soils.	Max: 14.11 Min: 4.23	Max: 9 Min: 7.9
2	3 inches	14 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 4.23 Min: 1.41	Max: 7.8 Min: 6.6
3	0 inches	3 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42.34 Min: 14.11	Max: 7.3 Min: 6.1
4	14 inches	25 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 4.23 Min: 1.41	Max: 9 Min: 7.9

### 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

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

### FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	USGS40001350571	0 - 1/8 Mile SE

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
2	USGS40001350573	1/8 - 1/4 Mile East
M50	USGS40001350545	1/2 - 1 Mile WSW

## FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

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

## STATE DATABASE WELL INFORMATION

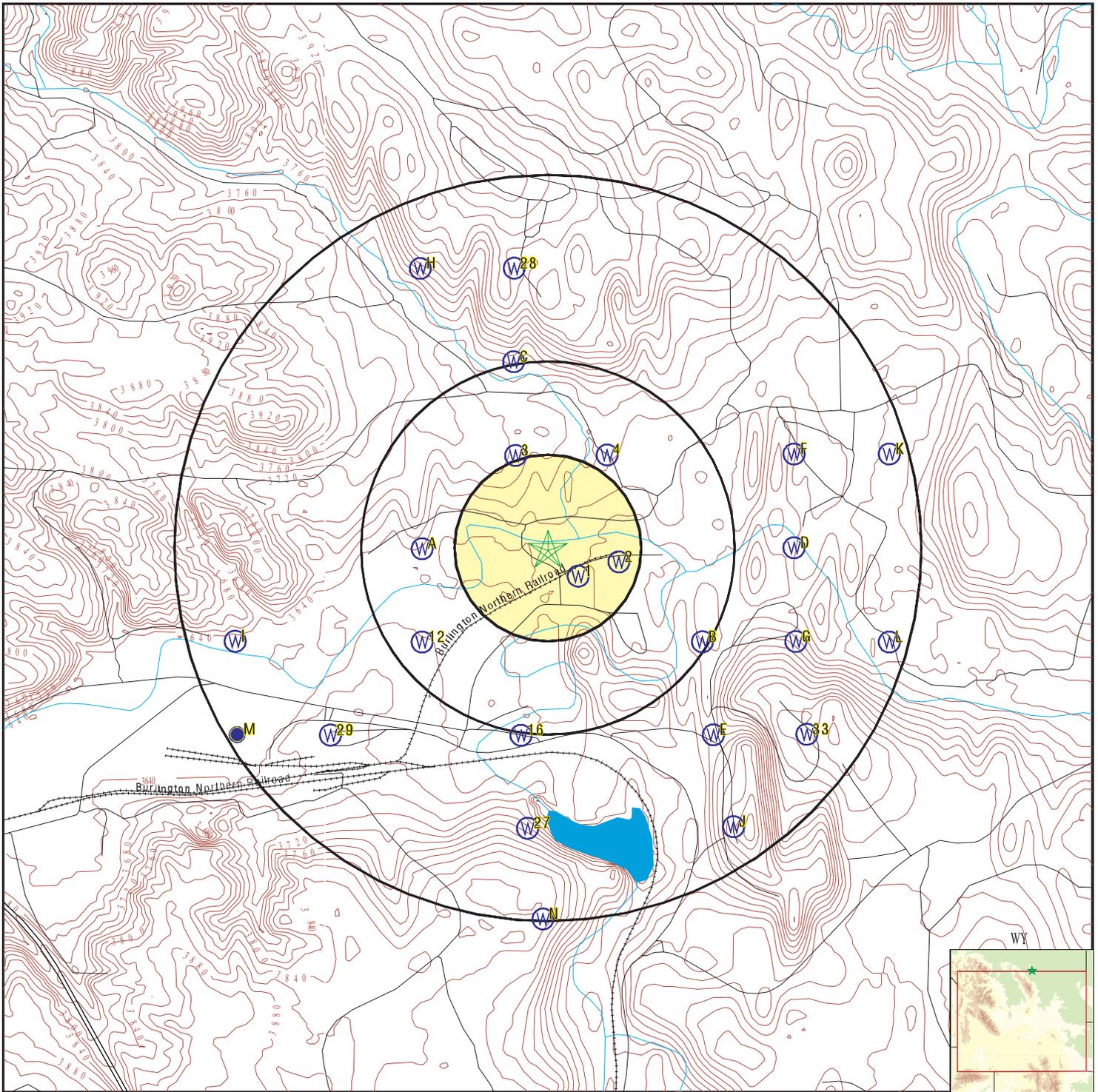
MAP ID	WELL ID	LOCATION FROM TP
3	WYSE40000144597	1/4 - 1/2 Mile NNW
4	WYSE40000144601	1/4 - 1/2 Mile NNE
A5	WYSE40000144432	1/4 - 1/2 Mile West
A6	WYSE40000144431	1/4 - 1/2 Mile West
A7	WYSE40000144430	1/4 - 1/2 Mile West
A8	WYSE40000144433	1/4 - 1/2 Mile West
A9	WYSE40000144436	1/4 - 1/2 Mile West
A10	WYSE40000144435	1/4 - 1/2 Mile West
A11	WYSE40000144434	1/4 - 1/2 Mile West
12	WYSE40000144198	1/4 - 1/2 Mile SW
B13	WYSE40000144201	1/4 - 1/2 Mile ESE
B14	WYSE40000144202	1/4 - 1/2 Mile ESE
B15	WYSE40000144203	1/4 - 1/2 Mile ESE
16	WYSE40000143956	1/2 - 1 Mile South
C17	WYSE40000144779	1/2 - 1 Mile North
C18	WYSE40000144780	1/2 - 1 Mile North
D19	WYSE40000144437	1/2 - 1 Mile East
D20	WYSE40000144438	1/2 - 1 Mile East
E21	WYSE40000143962	1/2 - 1 Mile SE
E22	WYSE40000143961	1/2 - 1 Mile SE
F23	WYSE40000144607	1/2 - 1 Mile ENE
F24	WYSE40000144606	1/2 - 1 Mile ENE
G25	WYSE40000144205	1/2 - 1 Mile ESE
G26	WYSE40000144206	1/2 - 1 Mile ESE
27	WYSE40000143759	1/2 - 1 Mile South
28	WYSE40000144950	1/2 - 1 Mile North
29	WYSE40000143957	1/2 - 1 Mile SW
H30	WYSE40000144947	1/2 - 1 Mile NNW
H31	WYSE40000144948	1/2 - 1 Mile NNW
H32	WYSE40000144949	1/2 - 1 Mile NNW
33	WYSE40000143964	1/2 - 1 Mile SE
I34	WYSE40000144209	1/2 - 1 Mile WSW
I35	WYSE40000144208	1/2 - 1 Mile WSW
I36	WYSE40000144210	1/2 - 1 Mile WSW
I37	WYSE40000144212	1/2 - 1 Mile WSW

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
I38	WYSE40000144211	1/2 - 1 Mile WSW
I39	WYSE40000144207	1/2 - 1 Mile WSW
J40	WYSE40000143763	1/2 - 1 Mile SSE
J41	WYSE40000143764	1/2 - 1 Mile SSE
J42	WYSE40000143765	1/2 - 1 Mile SSE
K43	WYSE40000144609	1/2 - 1 Mile ENE
K44	WYSE40000144608	1/2 - 1 Mile ENE
L45	WYSE40000144199	1/2 - 1 Mile ESE
L46	WYSE40000144200	1/2 - 1 Mile ESE
M47	WYSE40000143959	1/2 - 1 Mile WSW
M48	WYSE40000143958	1/2 - 1 Mile WSW
M49	WYSE40000143960	1/2 - 1 Mile WSW
N51	WYSE40000143597	1/2 - 1 Mile South
N52	WYSE40000143596	1/2 - 1 Mile South
N53	WYSE40000143595	1/2 - 1 Mile South
N54	WYSE40000143600	1/2 - 1 Mile South
N55	WYSE40000143599	1/2 - 1 Mile South
N56	WYSE40000143598	1/2 - 1 Mile South

# PHYSICAL SETTING SOURCE MAP - 4781263.2s



SITE NAME: Acme Power Plant  
 ADDRESS: 165 Acme Road  
 Ranchester WY 82839  
 LAT/LONG: 44.913011 / 106.987839

CLIENT: Weston Solutions, Inc.  
 CONTACT: Natalie Quiet  
 INQUIRY #: 4781263.2s  
 DATE: November 15, 2016 11:57 am

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**1**  
**SE**  
**0 - 1/8 Mile**  
**Lower**

**FED USGS      USGS40001350571**

Org. Identifier:	USGS-WY		
Formal name:	USGS Wyoming Water Science Center		
Monloc Identifier:	USGS-445443106590801		
Monloc name:	57-084-15cab01		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	10090101	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	44.9119164
Longitude:	-106.9861819	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	3600.00
Vert measure units:	feet	Vertacc measure val:	1
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	50
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

**2**  
**East**  
**1/8 - 1/4 Mile**  
**Lower**

**FED USGS      USGS40001350573**

Org. Identifier:	USGS-WY		
Formal name:	USGS Wyoming Water Science Center		
Monloc Identifier:	USGS-445445106590001		
Monloc name:	57-084-15cad01		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	10090101	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	44.912472
Longitude:	-106.9839596	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	3600.00
Vert measure units:	feet	Vertacc measure val:	1
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	32
Construction date:	19200101	Wellholeddepth:	Not Reported
Welldepth units:	ft		
Wellholeddepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

---

**3**  
**NNW**  
**1/4 - 1/2 Mile**  
**Higher**

**WY WELLS      WYSE40000144597**

Permit:	P50926.0W
Priority:	03-JAN-80
Status:	COM
Township:	57
Tns suf:	N
Range :	84
Rng suf:	W
Section :	15
Qtr:	NW
Qtrqtr:	SWNW
Latitude:	44.9166
Longitude:	-106.9896
Applicant:	PETER KIEWIT SONS' CO.
Facname:	BH-391-WW
Uses :	MON
Yldact:	0
S depth:	45
W depth:	97
Mwbz top:	41
Mwbz bot:	97
Well log:	NULL
Chemical:	No
Site id:	WYSE40000144597

---

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

**WY WELLS      WYSE40000144601**

Permit:	P68264.0W
Priority:	28-AUG-84
Status:	COM
Township:	57
Tns suf:	N
Range :	84
Rng suf:	W
Section :	15
Qtr:	NW
Qtrqtr:	SENW
Latitude:	44.91662
Longitude:	-106.9846
Applicant:	Kiewit Mining Properties, Inc.
Facname:	BH816W-84
Uses :	MON
Yldact:	0
S depth:	45
W depth:	50
Mwbz top:	1
Mwbz bot:	44

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well log: NULL  
Chemical: No  
Site id: WYSE40000144601

---

**A5**  
**West**  
**1/4 - 1/2 Mile**  
**Higher**

WY WELLS WYSE40000144432

Permit: P49958.0W  
Priority: 13-SEP-79  
Status: COM  
Township: 57  
Tns suf: N  
Range : 84  
Rng suf: W  
Section : 16  
Qtr: SE  
Qtrqtr: NESE  
Latitude: 44.91298  
Longitude: -106.9947  
Applicant: Wyo State Office of Lands & Investments / PETER KIEWIT SONS' CO.  
Facname: BH 511 WW  
Uses : MON  
Yldact: 0  
S depth: 4  
W depth: 19.5  
Mwbz top: 2  
Mwbz bot: 17  
Well log: NULL  
Chemical: No  
Site id: WYSE40000144432

---

**A6**  
**West**  
**1/4 - 1/2 Mile**  
**Higher**

WY WELLS WYSE40000144431

Permit: P49954.0W  
Priority: 13-SEP-79  
Status: COM  
Township: 57  
Tns suf: N  
Range : 84  
Rng suf: W  
Section : 16  
Qtr: SE  
Qtrqtr: NESE  
Latitude: 44.91298  
Longitude: -106.9947  
Applicant: Wyo State Office of Lands & Investments / PETER KIEWIT SONS' CO.  
Facname: BH 507 WW  
Uses : MON  
Yldact: 0  
S depth: 3  
W depth: 15  
Mwbz top: 4  
Mwbz bot: 13

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well log: NULL  
Chemical: No  
Site id: WYSE40000144431

---

**A7**  
**West**  
**1/4 - 1/2 Mile**  
**Higher**

WY WELLS    WYSE40000144430

Permit: P49959.0W  
Priority: 13-SEP-79  
Status: COM  
Township: 57  
Tns suf: N  
Range : 84  
Rng suf: W  
Section : 16  
Qtr: SE  
Qtrqtr: NESE  
Latitude: 44.91298  
Longitude: -106.9947  
Applicant: Wyo State Office of Lands & Investments / PETER KIEWIT SONS' CO.  
Facname: BH 512 WW  
Uses : MON  
Yldact: 0  
S depth: 4  
W depth: 16.5  
Mwbz top: 3  
Mwbz bot: 15  
Well log: NULL  
Chemical: No  
Site id: WYSE40000144430

---

**A8**  
**West**  
**1/4 - 1/2 Mile**  
**Higher**

WY WELLS    WYSE40000144433

Permit: P49956.0W  
Priority: 13-SEP-79  
Status: COM  
Township: 57  
Tns suf: N  
Range : 84  
Rng suf: W  
Section : 16  
Qtr: SE  
Qtrqtr: NESE  
Latitude: 44.91298  
Longitude: -106.9947  
Applicant: Wyo State Office of Lands & Investments / PETER KIEWIT SONS' CO.  
Facname: BH 509 WW  
Uses : MON  
Yldact: 0  
S depth: 5  
W depth: 14  
Mwbz top: 1  
Mwbz bot: 11

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well log: NULL  
Chemical: No  
Site id: WYSE40000144433

---

**A9**  
**West**  
**1/4 - 1/2 Mile**  
**Higher**

WY WELLS WYSE40000144436

Permit: P49955.0W  
Priority: 13-SEP-79  
Status: COM  
Township: 57  
Tns suf: N  
Range : 84  
Rng suf: W  
Section : 16  
Qtr: SE  
Qtrqtr: NESE  
Latitude: 44.91298  
Longitude: -106.9947  
Applicant: Wyo State Office of Lands & Investments / PETER KIEWIT SONS' CO.  
Facname: BH 508 WW  
Uses : MON  
Yldact: 0  
S depth: 5  
W depth: 13  
Mwbz top: 2  
Mwbz bot: 10  
Well log: NULL  
Chemical: No  
Site id: WYSE40000144436

---

**A10**  
**West**  
**1/4 - 1/2 Mile**  
**Higher**

WY WELLS WYSE40000144435

Permit: P49957.0W  
Priority: 13-SEP-79  
Status: COM  
Township: 57  
Tns suf: N  
Range : 84  
Rng suf: W  
Section : 16  
Qtr: SE  
Qtrqtr: NESE  
Latitude: 44.91298  
Longitude: -106.9947  
Applicant: Wyo State Office of Lands & Investments / PETER KIEWIT SON'S CO.  
Facname: BH 510 WW  
Uses : MON  
Yldact: 0  
S depth: 5  
W depth: 15  
Mwbz top: 1  
Mwbz bot: 13

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well log: NULL  
Chemical: No  
Site id: WYSE40000144435

---

**A11**  
**West**  
**1/4 - 1/2 Mile**  
**Higher**

WY WELLS WYSE40000144434

Permit: P49953.0W  
Priority: 13-SEP-79  
Status: COM  
Township: 57  
Tns suf: N  
Range : 84  
Rng suf: W  
Section : 16  
Qtr: SE  
Qtrqtr: NESE  
Latitude: 44.91298  
Longitude: -106.9947  
Applicant: Wyo State Office of Lands & Investments / PETER KIEWIT SONS' CO.  
Facname: BH 506 WW  
Uses : MON  
Yldact: 0  
S depth: 6  
W depth: 14  
Mwbz top: 9  
Mwbz bot: 11  
Well log: NULL  
Chemical: No  
Site id: WYSE40000144434

---

**12**  
**SW**  
**1/4 - 1/2 Mile**  
**Higher**

WY WELLS WYSE40000144198

Permit: P49960.0W  
Priority: 13-SEP-79  
Status: COM  
Township: 57  
Tns suf: N  
Range : 84  
Rng suf: W  
Section : 16  
Qtr: SE  
Qtrqtr: SESE  
Latitude: 44.90936  
Longitude: -106.9947  
Applicant: Wyo State Office of Lands & Investments / PETER KIEWIT SONS' CO.  
Facname: BH 513 WW  
Uses : MON  
Yldact: 0  
S depth: 13  
W depth: 15  
Mwbz top: 7  
Mwbz bot: 12

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well log: NULL  
Chemical: No  
Site id: WYSE40000144198

---

**B13**  
**ESE**  
**1/4 - 1/2 Mile**  
**Lower**

WY WELLS WYSE40000144201

Permit: P46016.0W  
Priority: 09-MAY-78  
Status: FADJ  
Township: 57  
Tns suf: N  
Range : 84  
Rng suf: W  
Section : 15  
Qtr: SE  
Qtrqtr: SWSE  
Latitude: 44.90937  
Longitude: -106.9794  
Applicant: Big Horn Coal Co.  
Facname: ENL BHC PLANT WELL #1  
Uses : IND\_GW; MIS  
Yldact: 25  
S depth: 16  
W depth: 24  
Mwbz top: -1  
Mwbz bot: -1  
Well log: NULL  
Chemical: No  
Site id: WYSE40000144201

---

**B14**  
**ESE**  
**1/4 - 1/2 Mile**  
**Lower**

WY WELLS WYSE40000144202

Permit: P40509.0W  
Priority: 17-MAY-77  
Status: FADJ  
Township: 57  
Tns suf: N  
Range : 84  
Rng suf: W  
Section : 15  
Qtr: SE  
Qtrqtr: SWSE  
Latitude: 44.90937  
Longitude: -106.9794  
Applicant: Big Horn Coal Co.  
Facname: BHC PLANT WELL #1  
Uses : MIS  
Yldact: 25  
S depth: 16  
W depth: 24  
Mwbz top: -1  
Mwbz bot: -1

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well log: NULL  
Chemical: No  
Site id: WYSE40000144202

---

**B15**  
**ESE**  
**1/4 - 1/2 Mile**  
**Lower**

WY WELLS WYSE40000144203

Permit: P68261.0W  
Priority: 28-AUG-84  
Status: COM  
Township: 57  
Tns suf: N  
Range : 84  
Rng suf: W  
Section : 15  
Qtr: SE  
Qtrqtr: SWSE  
Latitude: 44.90937  
Longitude: -106.9794  
Applicant: Kiewit Mining Properties, Inc.  
Facname: BH-819-84  
Uses : MON  
Yldact: 0  
S depth: 27  
W depth: 50  
Mwbz top: -1  
Mwbz bot: 37  
Well log: NULL  
Chemical: No  
Site id: WYSE40000144203

---

**16**  
**South**  
**1/2 - 1 Mile**  
**Lower**

WY WELLS WYSE40000143956

Permit: P49969.0W  
Priority: 13-SEP-79  
Status: COM  
Township: 57  
Tns suf: N  
Range : 84  
Rng suf: W  
Section : 22  
Qtr: NW  
Qtrqtr: NWNW  
Latitude: 44.90574  
Longitude: -106.9893  
Applicant: PETER KIEWIT SONS' CO.  
Facname: BH 523 WW  
Uses : MON  
Yldact: 0  
S depth: 8  
W depth: 19  
Mwbz top: 7  
Mwbz bot: 16

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well log: NULL  
Chemical: No  
Site id: WYSE40000143956

---

**C17**  
**North**  
**1/2 - 1 Mile**  
**Higher**

WY WELLS WYSE40000144779

Permit: P46429.0W  
Priority: 25-JAN-79  
Status: COM  
Township: 57  
Tns suf: N  
Range : 84  
Rng suf: W  
Section : 15  
Qtr: NW  
Qtrqtr: NWNW  
Latitude: 44.92024  
Longitude: -106.9897  
Applicant: PETER KIEWIT SONS' CO.  
Facname: BH-396-WW  
Uses : MON  
Yldact: 0  
S depth: 27  
W depth: 60  
Mwbz top: 42  
Mwbz bot: 60  
Well log: NULL  
Chemical: No  
Site id: WYSE40000144779

---

**C18**  
**North**  
**1/2 - 1 Mile**  
**Higher**

WY WELLS WYSE40000144780

Permit: P46428.0W  
Priority: 25-JAN-79  
Status: COM  
Township: 57  
Tns suf: N  
Range : 84  
Rng suf: W  
Section : 15  
Qtr: NW  
Qtrqtr: NWNW  
Latitude: 44.92024  
Longitude: -106.9897  
Applicant: PETER KIEWIT SONS' CO.  
Facname: BH-395-WW  
Uses : MON  
Yldact: 0  
S depth: 22  
W depth: 60  
Mwbz top: 40  
Mwbz bot: 44

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well log: NULL  
Chemical: No  
Site id: WYSE40000144780

---

**D19**  
**East**  
**1/2 - 1 Mile**  
**Lower**

WY WELLS WYSE40000144437

Permit: P61581.0W  
Priority: 20-JUL-82  
Status: COM  
Township: 57  
Tns suf: N  
Range : 84  
Rng suf: W  
Section : 15  
Qtr: SE  
Qtrqtr: NESE  
Latitude: 44.91302  
Longitude: -106.9744  
Applicant: PETER KIEWIT SON'S CO.  
Facname: BH-746-WW  
Uses : MON  
Yldact: 0  
S depth: 60  
W depth: 83  
Mwbz top: -1  
Mwbz bot: -1  
Well log: NULL  
Chemical: No  
Site id: WYSE40000144437

---

**D20**  
**East**  
**1/2 - 1 Mile**  
**Lower**

WY WELLS WYSE40000144438

Permit: P61580.0W  
Priority: 20-JUL-82  
Status: COM  
Township: 57  
Tns suf: N  
Range : 84  
Rng suf: W  
Section : 15  
Qtr: SE  
Qtrqtr: NESE  
Latitude: 44.91302  
Longitude: -106.9744  
Applicant: PETER KIEWIT SONS' CO.  
Facname: BH-745-WW  
Uses : MON  
Yldact: 0  
S depth: 58  
W depth: 84  
Mwbz top: -1  
Mwbz bot: -1

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well log: NULL  
Chemical: No  
Site id: WYSE40000144438

---

**E21**  
**SE**  
**1/2 - 1 Mile**  
**Lower**

**WY WELLS WYSE40000143962**

Permit: P58652.0W  
Priority: 14-SEP-81  
Status: COM  
Township: 57  
Tns suf: N  
Range : 84  
Rng suf: W  
Section : 22  
Qtr: NE  
Qtrqtr: NWNE  
Latitude: 44.90576  
Longitude: -106.9788  
Applicant: PETER KIEWIT SONS'S CO.  
Facname: BH-656-WW  
Uses : MON  
Yldact: 0  
S depth: 75  
W depth: 110  
Mwbz top: 70  
Mwbz bot: 110  
Well log: NULL  
Chemical: No  
Site id: WYSE40000143962

---

**E22**  
**SE**  
**1/2 - 1 Mile**  
**Lower**

**WY WELLS WYSE40000143961**

Permit: P65435.0W  
Priority: 15-SEP-83  
Status: COM  
Township: 57  
Tns suf: N  
Range : 84  
Rng suf: W  
Section : 22  
Qtr: NE  
Qtrqtr: NWNE  
Latitude: 44.90576  
Longitude: -106.9788  
Applicant: KIEWIT MINING AND ENGINEERING CO.  
Facname: BH 813 83  
Uses : MON  
Yldact: 0  
S depth: 80  
W depth: 200  
Mwbz top: 161  
Mwbz bot: 175

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well log: NULL  
Chemical: No  
Site id: WYSE40000143961

---

**F23**  
**ENE**  
**1/2 - 1 Mile**  
**Higher**

WY WELLS WYSE40000144607

Permit: P58653.0W  
Priority: 14-SEP-81  
Status: COM  
Township: 57  
Tns suf: N  
Range : 84  
Rng suf: W  
Section : 15  
Qtr: NE  
Qtrqtr: SENE  
Latitude: 44.91666  
Longitude: -106.9744  
Applicant: PETER KIEWIT SONS'S CO.  
Facname: BH-657-WW  
Uses : MON  
Yldact: 0  
S depth: 70  
W depth: 80  
Mwbz top: 40  
Mwbz bot: 71  
Well log: NULL  
Chemical: No  
Site id: WYSE40000144607

---

**F24**  
**ENE**  
**1/2 - 1 Mile**  
**Higher**

WY WELLS WYSE40000144606

Permit: P2362.0W  
Priority: 07-OCT-68  
Status: FADJ  
Township: 57  
Tns suf: N  
Range : 84  
Rng suf: W  
Section : 15  
Qtr: NE  
Qtrqtr: SENE  
Latitude: 44.91666  
Longitude: -106.9744  
Applicant: FLYING V CATTLE CO.  
Facname: COAL PIT #1  
Uses : IRR\_GW; STK  
Yldact: 2700  
S depth: 10  
W depth: 87  
Mwbz top: 35  
Mwbz bot: 72

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well log: NULL  
Chemical: NULL  
Site id: WYSE40000144606

---

**G25**  
**ESE**  
**1/2 - 1 Mile**  
**Higher**

WY WELLS WYSE40000144205

Permit: P51931.0W  
Priority: 25-APR-80  
Status: COM  
Township: 57  
Tns suf: N  
Range : 84  
Rng suf: W  
Section : 15  
Qtr: SE  
Qtrqtr: SESE  
Latitude: 44.90938  
Longitude: -106.9743  
Applicant: PETER KIEWIT SONS'S CO.  
Facname: BH-596-WW  
Uses : MON  
Yldact: 0  
S depth: 109  
W depth: 120  
Mwbz top: 97  
Mwbz bot: 109  
Well log: NULL  
Chemical: No  
Site id: WYSE40000144205

---

**G26**  
**ESE**  
**1/2 - 1 Mile**  
**Higher**

WY WELLS WYSE40000144206

Permit: P68260.0W  
Priority: 28-AUG-84  
Status: COM  
Township: 57  
Tns suf: N  
Range : 84  
Rng suf: W  
Section : 15  
Qtr: SE  
Qtrqtr: SESE  
Latitude: 44.90938  
Longitude: -106.9743  
Applicant: Kiewit Mining Properties, Inc.  
Facname: BH-823-84  
Uses : MON  
Yldact: 0  
S depth: 84  
W depth: 123  
Mwbz top: -1  
Mwbz bot: 111

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well log: NULL  
Chemical: No  
Site id: WYSE40000144206

---

**27**  
**South**  
**1/2 - 1 Mile**  
**Higher**

WY WELLS WYSE40000143759

Permit: P147721.0W  
Priority: 21-OCT-02  
Status: Not Reported  
Township: 57  
Tns suf: N  
Range : 84  
Rng suf: W  
Section : 22  
Qtr: NW  
Qtrqtr: SWNW  
Latitude: 44.90213  
Longitude: -106.98894  
Applicant: J M Huber Corp.  
Facname: BIG HORN COAL 5T-22 57-84  
Uses : CBM  
Yldact: 50  
S depth: 0  
W depth: 0  
Mwbz top: 0  
Mwbz bot: 0  
Well log: Not Reported  
Chemical: Not Reported  
Site id: WYSE40000143759

---

**28**  
**North**  
**1/2 - 1 Mile**  
**Higher**

WY WELLS WYSE40000144950

Permit: P147723.0W  
Priority: 21-OCT-02  
Status: Not Reported  
Township: 57  
Tns suf: N  
Range : 84  
Rng suf: W  
Section : 10  
Qtr: SW  
Qtrqtr: SWSW  
Latitude: 44.92387  
Longitude: -106.98967  
Applicant: J M Huber Corp.  
Facname: BIG HORN COAL 13T-10 57-84  
Uses : CBM  
Yldact: 50  
S depth: 0  
W depth: 0  
Mwbz top: 0  
Mwbz bot: 0

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well log: Not Reported  
Chemical: Not Reported  
Site id: WYSE40000144950

---

**29  
SW  
1/2 - 1 Mile  
Higher**

WY WELLS WYSE40000143957

Permit: P83047.0W  
Priority: 23-JUL-90  
Status: FADJ  
Township: 57  
Tns suf: N  
Range : 84  
Rng suf: W  
Section : 21  
Qtr: NE  
Qtrqtr: NWNE  
Latitude: 44.90575  
Longitude: -106.9997  
Applicant: BIG HORN COAL COMPANY  
Facname: 1990 OFFICE WELL  
Uses : MIS  
Yldact: 5  
S depth: 39  
W depth: 260  
Mwbz top: 85  
Mwbz bot: 101  
Well log: NULL  
Chemical: No  
Site id: WYSE40000143957

---

**H30  
NNW  
1/2 - 1 Mile  
Higher**

WY WELLS WYSE40000144947

Permit: P46426.0W  
Priority: 25-JAN-79  
Status: COM  
Township: 57  
Tns suf: N  
Range : 84  
Rng suf: W  
Section : 9  
Qtr: SE  
Qtrqtr: SESE  
Latitude: 44.92386  
Longitude: -106.9948  
Applicant: PETER KIEWIT SONS' CO.  
Facname: BH-393-WW  
Uses : MON  
Yldact: 0  
S depth: 24  
W depth: 64.5  
Mwbz top: 56  
Mwbz bot: 58

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well log: NULL  
Chemical: No  
Site id: WYSE40000144947

---

**H31  
NNW  
1/2 - 1 Mile  
Higher**

WY WELLS WYSE40000144948

Permit: P46427.0W  
Priority: 25-JAN-79  
Status: COM  
Township: 57  
Tns suf: N  
Range : 84  
Rng suf: W  
Section : 9  
Qtr: SE  
Qtrqtr: SESE  
Latitude: 44.92386  
Longitude: -106.9948  
Applicant: PETER KIEWIT SONS' CO.  
Facname: BH-394WW  
Uses : MON  
Yldact: 0  
S depth: 25  
W depth: 38.5  
Mwbz top: 30  
Mwbz bot: 38  
Well log: NULL  
Chemical: No  
Site id: WYSE40000144948

---

**H32  
NNW  
1/2 - 1 Mile  
Higher**

WY WELLS WYSE40000144949

Permit: P46425.0W  
Priority: 25-JAN-79  
Status: COM  
Township: 57  
Tns suf: N  
Range : 84  
Rng suf: W  
Section : 9  
Qtr: SE  
Qtrqtr: SESE  
Latitude: 44.92386  
Longitude: -106.9948  
Applicant: PETER KIEWIT SONS' CO.  
Facname: BH-392-WW  
Uses : MON  
Yldact: 0  
S depth: 19  
W depth: 50  
Mwbz top: 27  
Mwbz bot: 50

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well log: NULL  
Chemical: No  
Site id: WYSE40000144949

---

**33**  
**SE**  
**1/2 - 1 Mile**  
**Higher**

WY WELLS WYSE40000143964

Permit: P68262.0W  
Priority: 28-AUG-84  
Status: COM  
Township: 57  
Tns suf: N  
Range : 84  
Rng suf: W  
Section : 22  
Qtr: NE  
Qtrqtr: NENE  
Latitude: 44.90578  
Longitude: -106.9737  
Applicant: Kiewit Mining Properties, Inc.  
Facname: BH-818-84  
Uses : MON  
Yldact: 0  
S depth: 84  
W depth: 120  
Mwbz top: -1  
Mwbz bot: 113  
Well log: NULL  
Chemical: No  
Site id: WYSE40000143964

---

**134**  
**WSW**  
**1/2 - 1 Mile**  
**Lower**

WY WELLS WYSE40000144209

Permit: P49962.0W  
Priority: 13-SEP-79  
Status: COM  
Township: 57  
Tns suf: N  
Range : 84  
Rng suf: W  
Section : 16  
Qtr: SW  
Qtrqtr: SESW  
Latitude: 44.90939  
Longitude: -107.0049  
Applicant: Wyo State Office of Lands & Investments / PETER KIEWIT SONS' CO.  
Facname: BH 515 WW  
Uses : MON  
Yldact: 0  
S depth: 8  
W depth: 18  
Mwbz top: 9  
Mwbz bot: 15

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well log: NULL  
Chemical: No  
Site id: WYSE40000144209

---

**I35**  
**WSW**  
**1/2 - 1 Mile**  
**Lower**

WY WELLS WYSE40000144208

Permit: P49963.0W  
Priority: 13-SEP-79  
Status: COM  
Township: 57  
Tns suf: N  
Range : 84  
Rng suf: W  
Section : 16  
Qtr: SW  
Qtrqtr: SESW  
Latitude: 44.90939  
Longitude: -107.0049  
Applicant: Wyo State Office of Lands & Investments / PETER KIEWIT SONS' CO.  
Facname: BH 516 WW  
Uses : MON  
Yldact: 0  
S depth: 8  
W depth: 19  
Mwbz top: 9  
Mwbz bot: 15  
Well log: NULL  
Chemical: No  
Site id: WYSE40000144208

---

**I36**  
**WSW**  
**1/2 - 1 Mile**  
**Lower**

WY WELLS WYSE40000144210

Permit: P49961.0W  
Priority: 13-SEP-79  
Status: COM  
Township: 57  
Tns suf: N  
Range : 84  
Rng suf: W  
Section : 16  
Qtr: SW  
Qtrqtr: SESW  
Latitude: 44.90939  
Longitude: -107.0049  
Applicant: Wyo State Office of Lands & Investments / PETER KIEWIT SONS' CO.  
Facname: BH 514 WW  
Uses : MON  
Yldact: 0  
S depth: 7  
W depth: 19  
Mwbz top: 8  
Mwbz bot: 14

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well log: NULL  
Chemical: No  
Site id: WYSE40000144210

---

**I37**  
**WSW**  
**1/2 - 1 Mile**  
**Lower**

WY WELLS WYSE40000144212

Permit: P46419.0W  
Priority: 25-JAN-79  
Status: COM  
Township: 57  
Tns suf: N  
Range : 84  
Rng suf: W  
Section : 16  
Qtr: SW  
Qtrqtr: SESW  
Latitude: 44.90939  
Longitude: -107.0049  
Applicant: PETER KIEWIT SONS' CO.  
Facname: BH-371-WW  
Uses : MON  
Yldact: 0  
S depth: 5  
W depth: 20  
Mwbz top: 5  
Mwbz bot: 20  
Well log: NULL  
Chemical: No  
Site id: WYSE40000144212

---

**I38**  
**WSW**  
**1/2 - 1 Mile**  
**Lower**

WY WELLS WYSE40000144211

Permit: P50352.0W  
Priority: 19-OCT-79  
Status: COM  
Township: 57  
Tns suf: N  
Range : 84  
Rng suf: W  
Section : 16  
Qtr: SW  
Qtrqtr: SESW  
Latitude: 44.90939  
Longitude: -107.0049  
Applicant: Wyo State Office of Lands & Investments / Flying V Cattle Co.  
Facname: STATE #2  
Uses : STK  
Yldact: 7  
S depth: 8  
W depth: 23  
Mwbz top: 3  
Mwbz bot: 13

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well log: NULL  
Chemical: No  
Site id: WYSE40000144211

---

**I39**  
**WSW**  
**1/2 - 1 Mile**  
**Lower**

WY WELLS WYSE40000144207

Permit: P49964.0W  
Priority: 13-SEP-79  
Status: COM  
Township: 57  
Tns suf: N  
Range : 84  
Rng suf: W  
Section : 16  
Qtr: SW  
Qtrqtr: SESW  
Latitude: 44.90939  
Longitude: -107.0049  
Applicant: Wyo State Office of Lands & Investments / PETER KIEWIT SONS' CO.  
Facname: BH 517 WW  
Uses : MON  
Yldact: 0  
S depth: 7  
W depth: 18  
Mwbz top: 3  
Mwbz bot: 15  
Well log: NULL  
Chemical: No  
Site id: WYSE40000144207

---

**J40**  
**SSE**  
**1/2 - 1 Mile**  
**Lower**

WY WELLS WYSE40000143763

Permit: P58651.0W  
Priority: 14-SEP-81  
Status: COM  
Township: 57  
Tns suf: N  
Range : 84  
Rng suf: W  
Section : 22  
Qtr: NE  
Qtrqtr: SWNE  
Latitude: 44.90219  
Longitude: -106.9777  
Applicant: PETER KIEWIT SONS'S CO.  
Facname: BH-655-WW  
Uses : MON  
Yldact: 0  
S depth: 182  
W depth: 220  
Mwbz top: 170  
Mwbz bot: 212

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well log: NULL  
Chemical: No  
Site id: WYSE40000143763

---

**J41**  
**SSE**  
**1/2 - 1 Mile**  
**Lower**

WY WELLS WYSE40000143764

Permit: P58649.0W  
Priority: 14-SEP-81  
Status: COM  
Township: 57  
Tns suf: N  
Range : 84  
Rng suf: W  
Section : 22  
Qtr: NE  
Qtrqtr: SWNE  
Latitude: 44.90219  
Longitude: -106.9777  
Applicant: PETER KIEWIT SONS'S CO.  
Facname: BH-653-WW  
Uses : MON  
Yldact: 0  
S depth: 260  
W depth: 300  
Mwbz top: 290  
Mwbz bot: 300  
Well log: NULL  
Chemical: No  
Site id: WYSE40000143764

---

**J42**  
**SSE**  
**1/2 - 1 Mile**  
**Lower**

WY WELLS WYSE40000143765

Permit: P58650.0W  
Priority: 14-SEP-81  
Status: COM  
Township: 57  
Tns suf: N  
Range : 84  
Rng suf: W  
Section : 22  
Qtr: NE  
Qtrqtr: SWNE  
Latitude: 44.90219  
Longitude: -106.9777  
Applicant: PETER KIEWIT SONS'S CO.  
Facname: BH-654-WW  
Uses : MON  
Yldact: 0  
S depth: 180  
W depth: 220  
Mwbz top: 180  
Mwbz bot: 220

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well log: NULL  
Chemical: No  
Site id: WYSE40000143765

---

**K43**  
**ENE**  
**1/2 - 1 Mile**  
**Lower**

WY WELLS WYSE40000144609

Permit: P37546.0W  
Priority: 27-APR-77  
Status: COM  
Township: 57  
Tns suf: N  
Range : 84  
Rng suf: W  
Section : 14  
Qtr: NW  
Qtrqtr: SWNW  
Latitude: 44.91666  
Longitude: -106.9692  
Applicant: Big Horn Coal Co.  
Facname: BH 232 77  
Uses : MON  
Yldact: 0  
S depth: 34  
W depth: 98  
Mwbz top: 77  
Mwbz bot: 97  
Well log: NULL  
Chemical: No  
Site id: WYSE40000144609

---

**K44**  
**ENE**  
**1/2 - 1 Mile**  
**Lower**

WY WELLS WYSE40000144608

Permit: P37547.0W  
Priority: 27-APR-77  
Status: COM  
Township: 57  
Tns suf: N  
Range : 84  
Rng suf: W  
Section : 14  
Qtr: NW  
Qtrqtr: SWNW  
Latitude: 44.91666  
Longitude: -106.9692  
Applicant: Big Horn Coal Co.  
Facname: BH 233 77  
Uses : MON  
Yldact: 0  
S depth: 28  
W depth: 75  
Mwbz top: 23  
Mwbz bot: 49

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well log: NULL  
Chemical: No  
Site id: WYSE40000144608

---

**L45**  
**ESE**  
**1/2 - 1 Mile**  
**Lower**

**WY WELLS WYSE40000144199**

Permit: P49967.0W  
Priority: 13-SEP-79  
Status: COM  
Township: 57  
Tns suf: N  
Range : 84  
Rng suf: W  
Section : 14  
Qtr: SW  
Qtrqtr: SWSW  
Latitude: 44.90936  
Longitude: -106.9692  
Applicant: PETER KIEWIT SONS' CO.  
Facname: BH 520 WW  
Uses : MON  
Yldact: 0  
S depth: 48  
W depth: 150  
Mwbz top: 120  
Mwbz bot: 139  
Well log: NULL  
Chemical: No  
Site id: WYSE40000144199

---

**L46**  
**ESE**  
**1/2 - 1 Mile**  
**Lower**

**WY WELLS WYSE40000144200**

Permit: P46430.0W  
Priority: 25-JAN-79  
Status: COM  
Township: 57  
Tns suf: N  
Range : 84  
Rng suf: W  
Section : 14  
Qtr: SW  
Qtrqtr: SWSW  
Latitude: 44.90936  
Longitude: -106.9692  
Applicant: PETER KIEWIT SONS' CO.  
Facname: BH-397-WW  
Uses : MON  
Yldact: 0  
S depth: 11  
W depth: 30  
Mwbz top: 10  
Mwbz bot: 26

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well log: NULL  
Chemical: No  
Site id: WYSE40000144200

---

**M47**  
**WSW**  
**1/2 - 1 Mile**  
**Lower**

WY WELLS WYSE40000143959

Permit: P49966.0W  
Priority: 13-SEP-79  
Status: COM  
Township: 57  
Tns suf: N  
Range : 84  
Rng suf: W  
Section : 21  
Qtr: NW  
Qtrqtr: NENW  
Latitude: 44.90576  
Longitude: -107.0047  
Applicant: PETER KIEWIT SONS' CO.  
Facname: BH 519 WW  
Uses : MON  
Yldact: 0  
S depth: 6  
W depth: 14  
Mwbz top: 2  
Mwbz bot: 10  
Well log: NULL  
Chemical: No  
Site id: WYSE40000143959

---

**M48**  
**WSW**  
**1/2 - 1 Mile**  
**Lower**

WY WELLS WYSE40000143958

Permit: P49968.0W  
Priority: 13-SEP-79  
Status: COM  
Township: 57  
Tns suf: N  
Range : 84  
Rng suf: W  
Section : 21  
Qtr: NW  
Qtrqtr: NENW  
Latitude: 44.90576  
Longitude: -107.0047  
Applicant: PETER KIEWIT SONS' CO.  
Facname: BH 522 WW  
Uses : MON  
Yldact: 0  
S depth: 8  
W depth: 18  
Mwbz top: 3  
Mwbz bot: 15

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well log: NULL  
 Chemical: No  
 Site id: WYSE40000143958

**M49**  
**WSW**  
**1/2 - 1 Mile**  
**Lower**

**WY WELLS    WYSE40000143960**

Permit: P49965.0W  
 Priority: 13-SEP-79  
 Status: COM  
 Township: 57  
 Tns suf: N  
 Range : 84  
 Rng suf: W  
 Section : 21  
 Qtr: NW  
 Qtrqtr: NENW  
 Latitude: 44.90576  
 Longitude: -107.0047  
 Applicant: PETER KIEWIT SONS' CO.  
 Facname: BH 518 WW  
 Uses : MON  
 Yldact: 0  
 S depth: 6  
 W depth: 16  
 Mwbz top: 3  
 Mwbz bot: 13  
 Well log: NULL  
 Chemical: No  
 Site id: WYSE40000143960

**M50**  
**WSW**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS    USGS40001350545**

Org. Identifier: USGS-WY	
Formal name: USGS Wyoming Water Science Center	
Monloc Identifier: USGS-445421107001601	
Monloc name: 57-084-21ba 01	
Monloc type: Well	
Monloc desc: Not Reported	
Huc code: 10090101	Drainagearea value: Not Reported
Drainagearea Units: Not Reported	Contrib drainagearea: Not Reported
Contrib drainagearea units: Not Reported	Latitude: 44.9058051
Longitude: -107.0050713	Sourcemap scale: 24000
Horiz Acc measure: 1	Horiz Acc measure units: seconds
Horiz Collection method: Interpolated from map	
Horiz coord refsys: NAD83	Vert measure val: 3620.00
Vert measure units: feet	Vertacc measure val: 1
Vert accmeasure units: feet	
Vertcollection method: Interpolated from topographic map	
Vert coord refsys: NGVD29	Countrycode: US
Aquifername: Not Reported	
Formation type: Not Reported	

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	70
Construction date:	19610101	Wellholedepth:	Not Reported
Welldepth units:	ft		
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
-----		
1961-03-22	40.74	

**N51**  
**South**  
**1/2 - 1 Mile**  
**Higher**

**WY WELLS      WYSE40000143597**

Permit:	P46434.0W
Priority:	25-JAN-79
Status:	COM
Township:	57
Tns suf:	N
Range :	84
Rng suf:	W
Section :	22
Qtr:	SW
Qtrqtr:	NWSW
Latitude:	44.89861
Longitude:	-106.9881
Applicant:	PETER KIEWIT SONS' CO.
Facname:	BH-401-WW
Uses :	MON
Yldact:	0
S depth:	7
W depth:	14
Mwbz top:	6
Mwbz bot:	12
Well log:	NULL
Chemical:	No
Site id:	WYSE40000143597

**N52**  
**South**  
**1/2 - 1 Mile**  
**Higher**

**WY WELLS      WYSE40000143596**

Permit:	P46436.0W
Priority:	25-JAN-79
Status:	COM
Township:	57
Tns suf:	N
Range :	84
Rng suf:	W
Section :	22
Qtr:	SW
Qtrqtr:	NWSW

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Latitude: 44.89861  
Longitude: -106.9881  
Applicant: PETER KIEWIT SONS' CO.  
Facname: BH-403-WW  
Uses : MON  
Yldact: 0  
S depth: 6  
W depth: 15  
Mwbz top: 5  
Mwbz bot: 11  
Well log: NULL  
Chemical: No  
Site id: WYSE40000143596

---

**N53  
South  
1/2 - 1 Mile  
Higher**

WY WELLS WYSE40000143595

Permit: P46431.0W  
Priority: 25-JAN-79  
Status: COM  
Township: 57  
Tns suf: N  
Range : 84  
Rng suf: W  
Section : 22  
Qtr: SW  
Qtrqtr: NWSW  
Latitude: 44.89861  
Longitude: -106.9881  
Applicant: PETER KIEWIT SONS' CO.  
Facname: BH-398-WW  
Uses : MON  
Yldact: 0  
S depth: 6  
W depth: 18.5  
Mwbz top: 5  
Mwbz bot: 18  
Well log: NULL  
Chemical: No  
Site id: WYSE40000143595

---

**N54  
South  
1/2 - 1 Mile  
Higher**

WY WELLS WYSE40000143600

Permit: P46432.0W  
Priority: 25-JAN-79  
Status: COM  
Township: 57  
Tns suf: N  
Range : 84  
Rng suf: W  
Section : 22  
Qtr: SW  
Qtrqtr: NWSW

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Latitude: 44.89861  
Longitude: -106.9881  
Applicant: PETER KIEWIT SONS' CO.  
Facname: BH-399-WW  
Uses : MON  
Yldact: 0  
S depth: 8  
W depth: 16  
Mwbz top: 7  
Mwbz bot: 14  
Well log: NULL  
Chemical: No  
Site id: WYSE40000143600

---

**N55  
South  
1/2 - 1 Mile  
Higher**

WY WELLS WYSE40000143599

Permit: P46433.0W  
Priority: 25-JAN-79  
Status: COM  
Township: 57  
Tns suf: N  
Range : 84  
Rng suf: W  
Section : 22  
Qtr: SW  
Qtrqtr: NWSW  
Latitude: 44.89861  
Longitude: -106.9881  
Applicant: PETER KIEWIT SONS' CO.  
Facname: BH-400-WW  
Uses : MON  
Yldact: 0  
S depth: 7  
W depth: 16  
Mwbz top: 9  
Mwbz bot: 14  
Well log: NULL  
Chemical: No  
Site id: WYSE40000143599

---

**N56  
South  
1/2 - 1 Mile  
Higher**

WY WELLS WYSE40000143598

Permit: P46435.0W  
Priority: 25-JAN-79  
Status: COM  
Township: 57  
Tns suf: N  
Range : 84  
Rng suf: W  
Section : 22  
Qtr: SW  
Qtrqtr: NWSW

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Latitude:	44.89861
Longitude:	-106.9881
Applicant:	PETER KIEWIT SONS' CO.
Facname:	BH-402-WW
Uses :	MON
Yldact:	0
S depth:	9
W depth:	15
Mwbz top:	8
Mwbz bot:	12
Well log:	NULL
Chemical:	No
Site id:	WYSE40000143598

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

State Database: WY Radon

### Radon Test Results

% Elev.	Total kits	# tests 4-10 pCi/L	# tests 10-20 pCi/L	# Tests >20 pCi/L
59%	842	361	109	26

Federal EPA Radon Zone for SHERIDAN County: 1

- 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 SHERIDAN COUNTY, WY

Number of sites tested: 45

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	2.421 pCi/L	74%	26%	0%
Living Area - 2nd Floor	4.200 pCi/L	0%	100%	0%
Basement	5.236 pCi/L	40%	60%	0%

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

### USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

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

### Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

## HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

### State Wetlands Data: National Wetlands Inventory

Source: Wyoming Geospatial Hub

Telephone: 307-777-4600

## 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 Service (NRCS)

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 Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, 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

#### Wyoming Well Permits

Source: Wyoming State Engineer's Office

Telephone: 307-777-6148

Wyoming well permit locations on file with the Wyoming State Engineer's Office

## OTHER STATE DATABASE INFORMATION

#### Oil and Gas Well Location Information

Source: Oil and Gas Conservation Commission

Telephone: 307-234-7147

### RADON

#### State Database: WY Radon

Source: Department of Health

Telephone: 307-777-6015

Wyoming Radon Project

#### 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

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## STREET AND ADDRESS INFORMATION

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**APPENDIX C**  
**VAPOR ENCROACHMENT SCREENING**

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## APPENDIX C – VAPOR ENCROACHMENT SCREENING

### 1.0 TARGET PROPERTY INFORMATION

In order to evaluate potential vapor inhalation risk, the subject property was assessed in accordance with the following standard: ASTM E2600-15 “Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions” - Section 8. Tier 1 Screening (ASTM, 2015). Information used to complete the screening assessments in accordance with the standard above was obtained from previous environmental reports listed in Section 3.1, reports provided by EDR listed in Section 3.2, information obtained from state and local government agencies listed in Section 3.4, interviews conducted listed in Section 4.2, and/or user-specialized knowledge provided by the TBA recipient. The following information was used when conducting the screening assessment.

- I. **Government Records Review:** Federal, State, and Local records were searched for contaminated properties with known or suspect contaminants of concern (COCs) contamination of soil and/or groundwater. No sources of contamination were identified.
- II. **Physical Setting Characteristics:** General physical setting information and sub-surface characteristics at the target property and surrounding area were evaluated for factors that can affect soil gas vapor migration. The following table lists the information evaluated.

Criteria	Information
Depth to Groundwater	Unknown
Groundwater Flow Direction	North, towards the Tongue River.
Soil Type/Composition	Moderate infiltration rates, well drained, with moderately coarse textures.
Significant Natural or Man-made Conduits That Could Serve as Preferential Pathways	None Identified

- III. **Current and Future Planned Use Information:** Existing use along with future planned use (i.e., undeveloped, industrial, commercial, or residential) of the TP is taken into consideration when conducting the screening as these factors will influence the current and future type of receptors (e.g., single-family residential, multifamily residential, office, industrial, retail, hotel, warehouse, institutional, etc.) and potential regulatory standards.

Criteria	Information
Existing Use	Abandoned
Planned Use	To be determined
Types of Structures Existing/Planned	Power Plant and ancillary buildings/To be determined - potentially a green space or commercial businesses.

## 2.0 ASTM E2600-10: TIER 1 VAPOR ENCROACHMENT SCREENING

A Tier I vapor encroachment screening (VES) assessment was applied to the target property (TP) and associated Area of Concern (AOC) to determine if a vapor encroachment condition (VEC) exists. The standard search distances utilized for the AOC were 1/3-mile (for non-hydrocarbon COCs) and 1/10-mile (for hydrocarbons) unless otherwise noted.

In evaluating sites located down-gradient or cross-gradient to the TP where information related to boundaries of a contaminated plume is known, the AOC may be modified by the EP by applying the Tier 2 Screening - Critical Distance test. Critical distance is defined as the lineal distance in any direction between the nearest edge of the contaminated plume and the nearest TP boundary. The following table documents modified AOC boundaries based upon critical distances, as applicable.

Location of Known Contaminated Plume in Relation to TP	COCs Category	Critical Distance	Modified AOC	AOC Used for Source of Known or Suspected Contamination
Down-gradient	Non-petroleum COCs	100 ft	100 ft	Not Applicable – No contaminated plumes down-gradient of TP
	Petroleum Hydrocarbon - LNAPL			
	Dissolved-phase Petroleum Hydrocarbon COCs	30 ft	30 ft	
Cross-gradient	Non-petroleum COCs	100 ft	Critical Distance plus 1/2 of the contaminated plume width	Not Applicable – No contaminated plumes cross-gradient of TP
	Petroleum Hydrocarbon - LNAPL			
	Dissolved-phase Petroleum Hydrocarbon COCs	30 ft		

No sites were identified in the AOC in relation to the TP for this VES evaluation.

## 3.0 VAPOR ENCROACHMENT SCREENING CONCLUSION

Based on the results of the Tier 1 VES conducted, including consideration of the planned use, future structures of the target property, and known/potential COCs associated with the subject property and/or surrounding properties, it was determined that a VEC does not exist.

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**APPENDIX D**  
**EDR AERIAL PHOTO DECADE PACKAGE**

---



Acme Power Plant  
165 Acme Road  
Ranchester, WY 82839

Inquiry Number: 4781263.12

November 16, 2016

## The EDR Aerial Photo Decade Package



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

**Site Name:**

Acme Power Plant  
 165 Acme Road  
 Rancheater, WY 82839  
 EDR Inquiry # 4781263.12

**Client Name:**

Weston Solutions, Inc.  
 1435 Garrison St Suite 100  
 Lakewood, CO 80215  
 Contact: Natalie Quiet



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. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

**Search Results:**

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1996	1"=500'	Acquisition Date: July 14, 1996	USGS/DOQQ
1989	1"=750'	Flight Date: July 11, 1989	USGS
1980	1"=1000'	Flight Date: July 31, 1980	USGS
1977	1"=1000'	Flight Date: October 27, 1977	USGS
1967	1"=750'	Flight Date: July 20, 1967	USGS
1963	1"=750'	Flight Date: July 17, 1963	USGS

**When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.**

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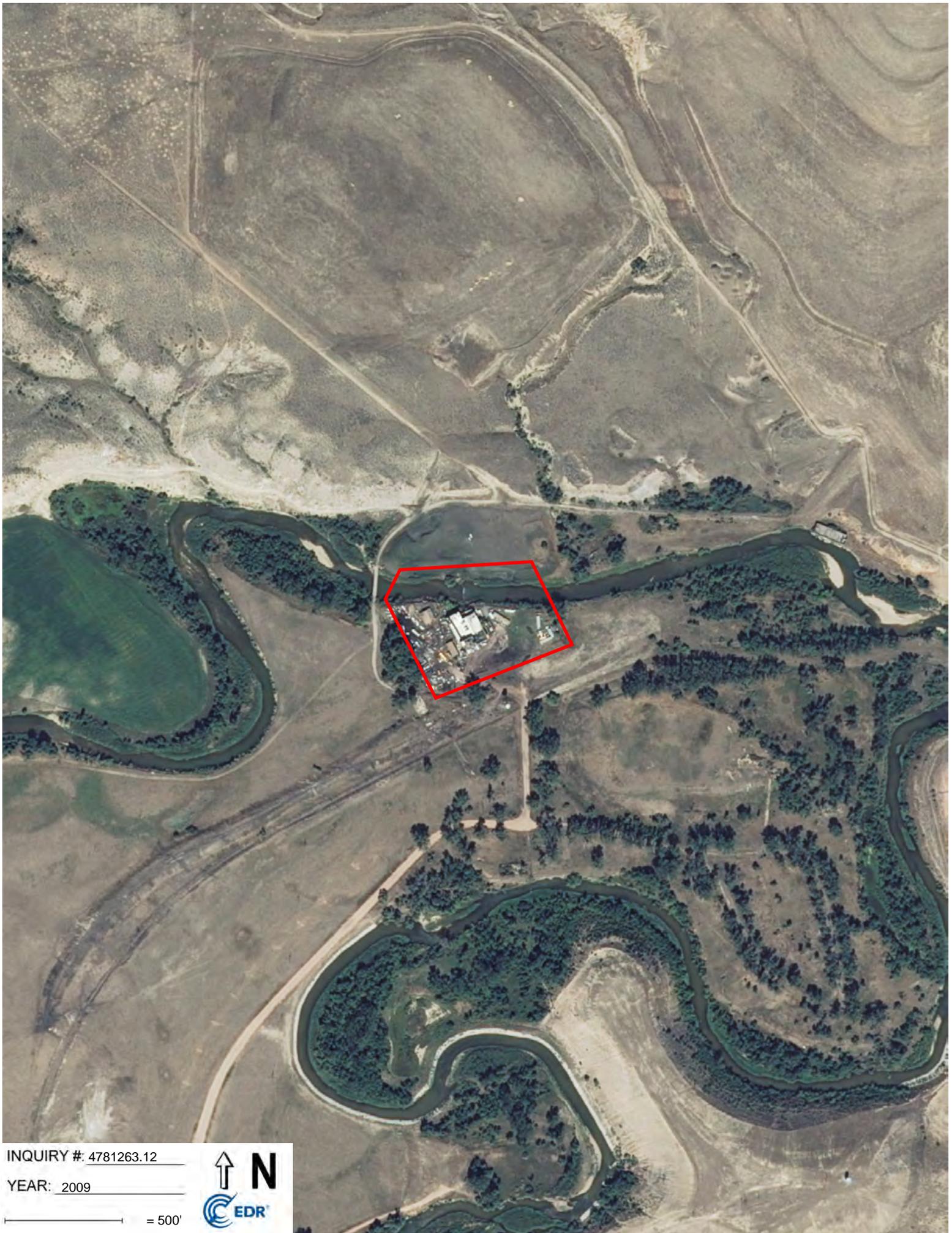


INQUIRY #: 4781263.12

YEAR: 2012

— = 500'





INQUIRY #: 4781263.12

YEAR: 2009

— = 500'





INQUIRY #: 4781263.12

YEAR: 2006

— = 500'



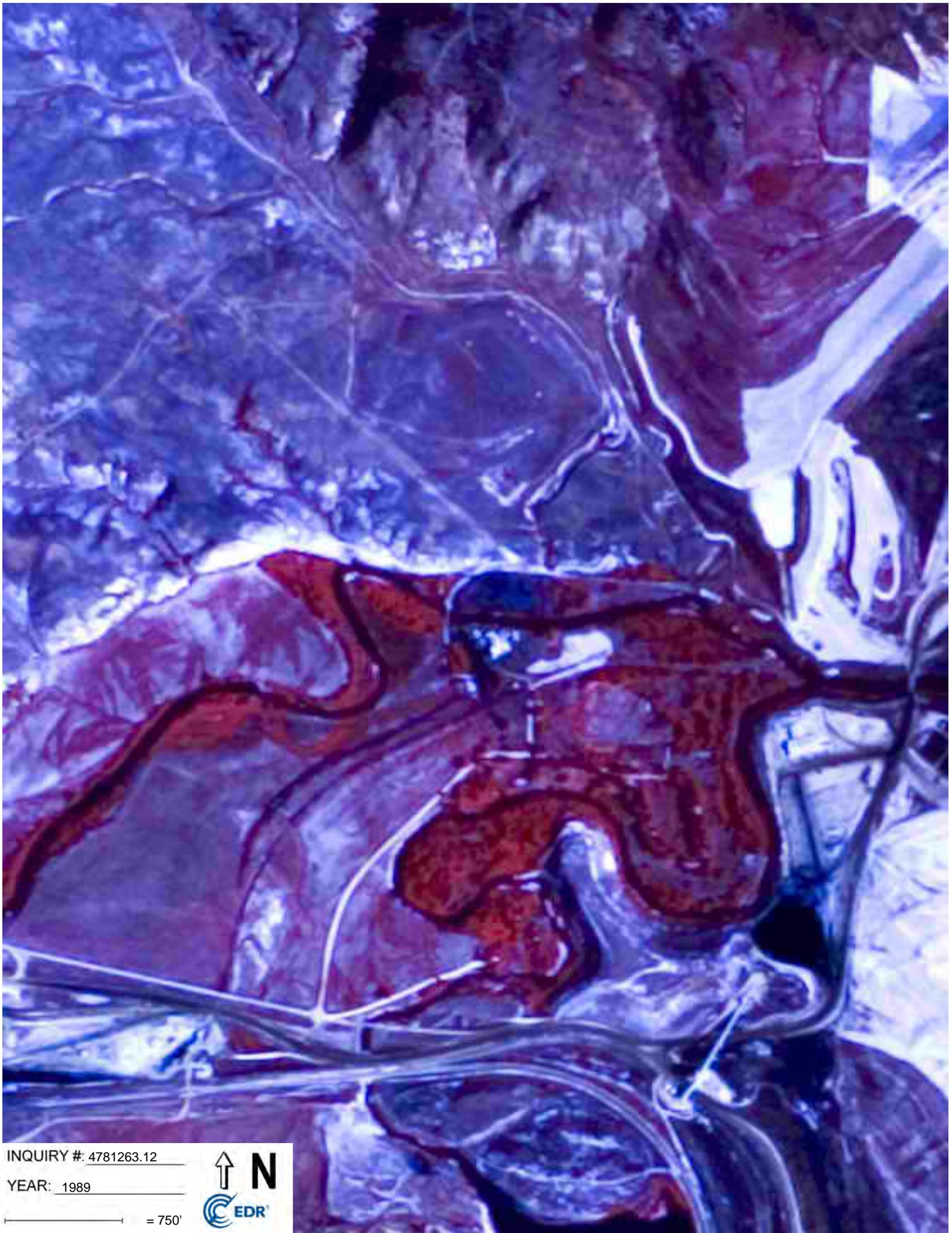


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YEAR: 1996

— = 500'



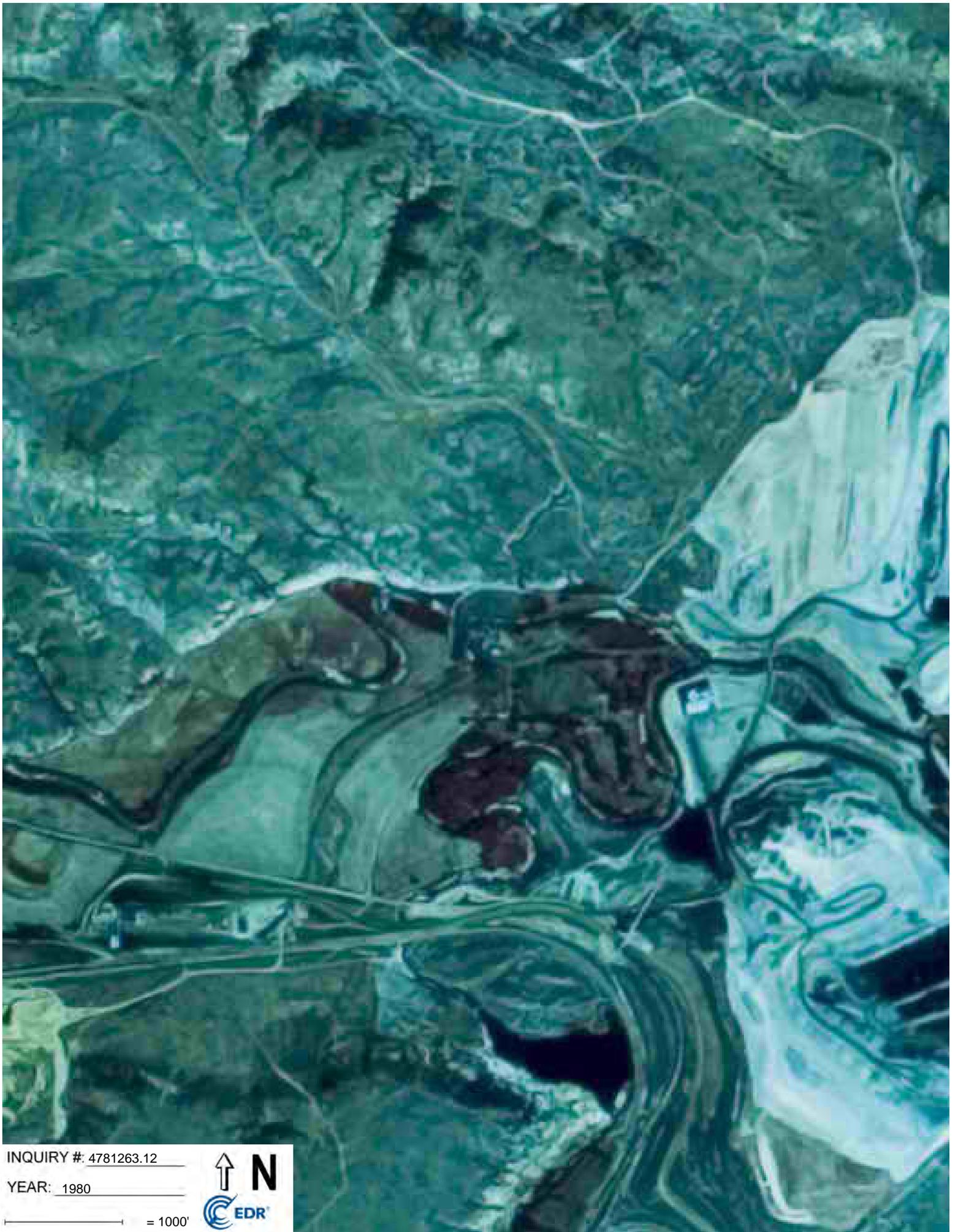


INQUIRY #: 4781263.12

YEAR: 1989

— = 750'



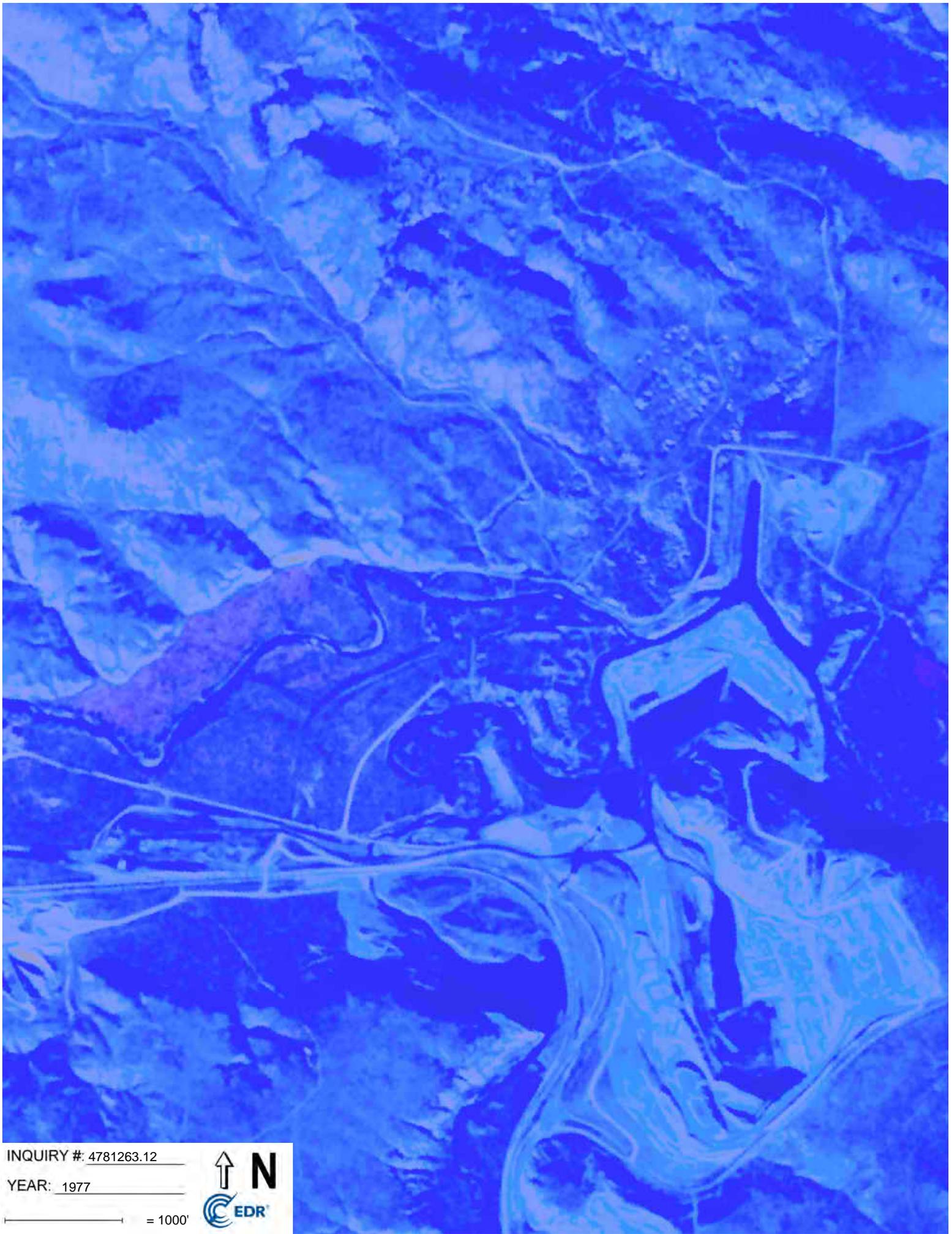


INQUIRY #: 4781263.12

YEAR: 1980

— = 1000'





INQUIRY #: 4781263.12

YEAR: 1977

— = 1000'





INQUIRY #: 4781263.12

YEAR: 1967

— = 750'





INQUIRY #: 4781263.12

YEAR: 1963

— = 750'



---

**APPENDIX E**  
**EDR HISTORICAL TOPO MAP REPORT WITH QUADMATCH™**

---



Acme Power Plant  
165 Acme Road  
Ranchester, WY 82839

Inquiry Number: 4781263.4

November 15, 2016

# EDR Historical Topo Map Report

with QuadMatch™



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

# EDR Historical Topo Map Report

11/15/16

**Site Name:**

Acme Power Plant  
165 Acme Road  
Ranchester, WY 82839  
EDR Inquiry # 4781263.4

**Client Name:**

Weston Solutions, Inc.  
1435 Garrison St Suite 100  
Lakewood, CO 80215  
Contact: Natalie Quiet



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Weston Solutions, Inc. were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDR's Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

**Search Results:****Coordinates:**

<b>P.O.#</b>	0003/1609-07	<b>Latitude:</b>	44.913011 44° 54' 47" North
<b>Project:</b>	Acme Power Plant	<b>Longitude:</b>	-106.987839 -106° 59' 16" West
		<b>UTM Zone:</b>	Zone 13 North
		<b>UTM X Meters:</b>	343090.85
		<b>UTM Y Meters:</b>	4975209.26
		<b>Elevation:</b>	3634.00' above sea level

**Maps Provided:**

2012  
1978  
1911  
1909

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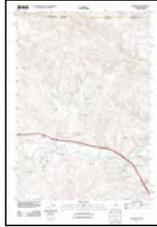
## Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

### 2012 Source Sheets



Acme  
2012  
7.5-minute, 24000

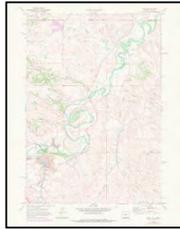


Monarch  
2012  
7.5-minute, 24000

### 1978 Source Sheets



Monarch  
1978  
7.5-minute, 24000  
Photo Revised 1978  
Aerial Photo Revised 1976



Acme  
1978  
7.5-minute, 24000  
Photo Revised 1978  
Aerial Photo Revised 1976

### 1911 Source Sheets

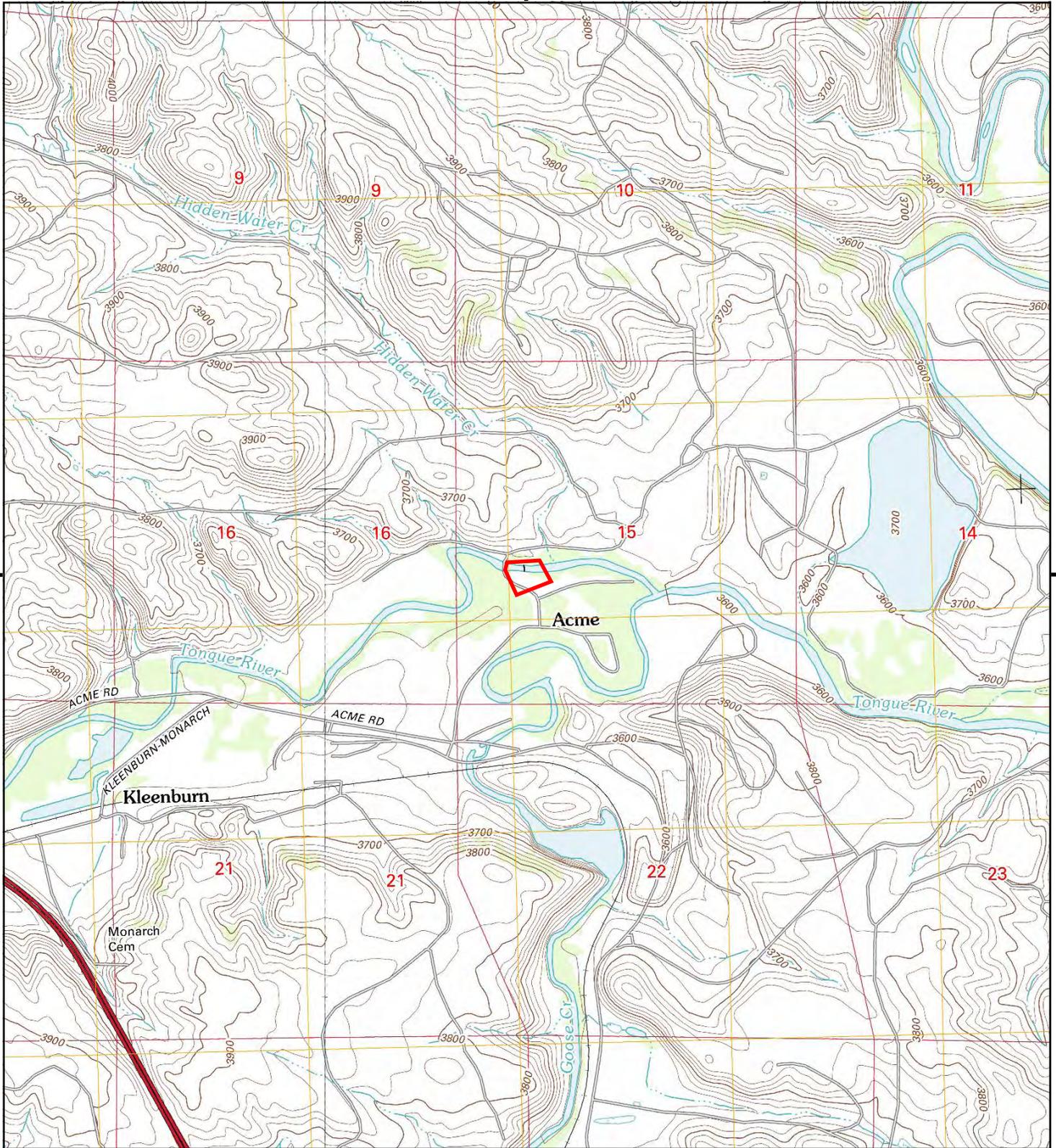


Sheridan  
1911  
30-minute, 125000

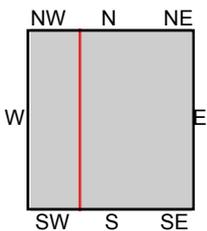
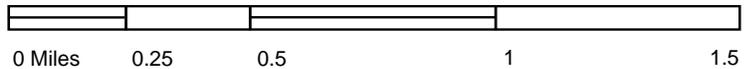
### 1909 Source Sheets



Sheridan  
1909  
30-minute, 125000



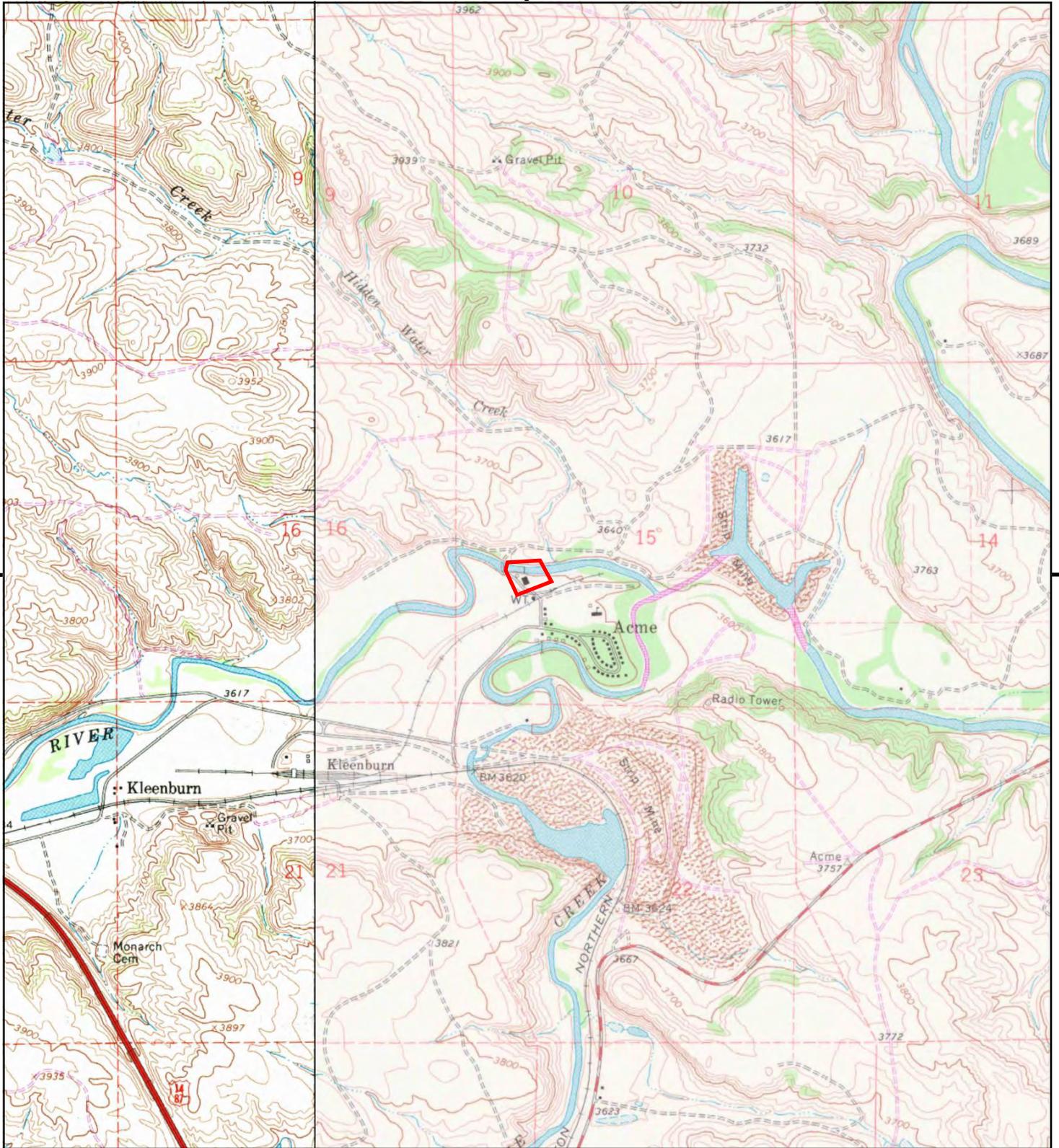
This report includes information from the following map sheet(s).



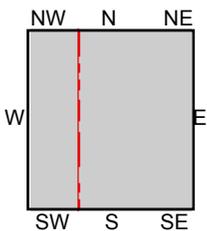
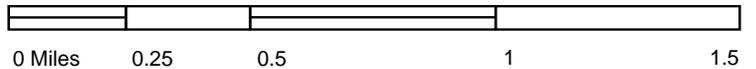
TP, Acme, 2012, 7.5-minute  
NW, Monarch, 2012, 7.5-minute

**SITE NAME:** Acme Power Plant  
**ADDRESS:** 165 Acme Road  
Ranchester, WY 82839  
**CLIENT:** Weston Solutions, Inc.





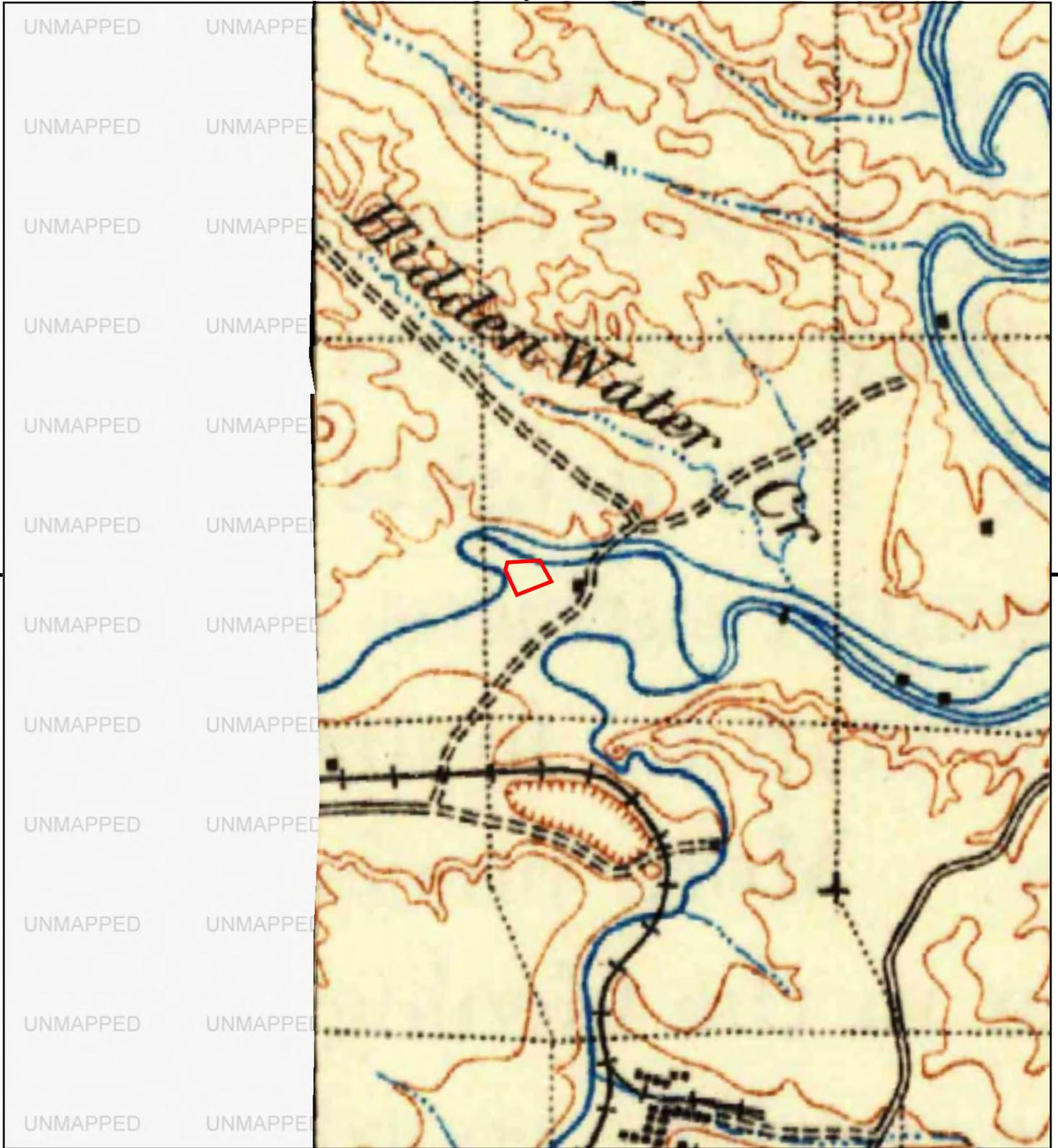
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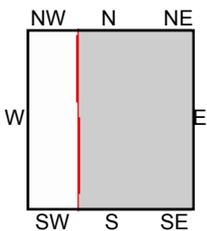
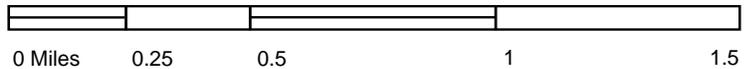
TP, Acme, 1978, 7.5-minute  
 NW, Monarch, 1978, 7.5-minute

**SITE NAME:** Acme Power Plant  
**ADDRESS:** 165 Acme Road  
 Ranchester, WY 82839  
**CLIENT:** Weston Solutions, Inc.





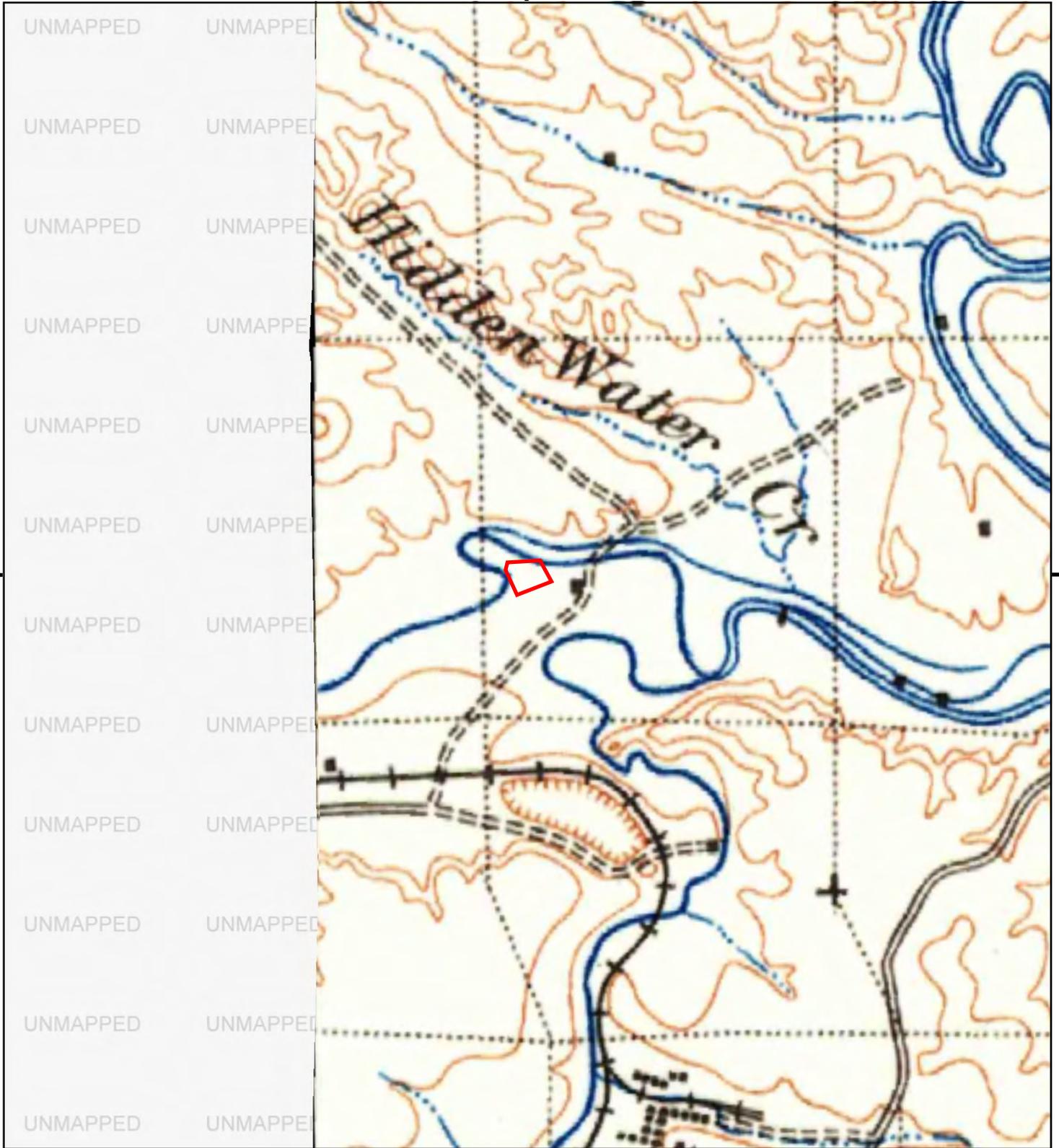
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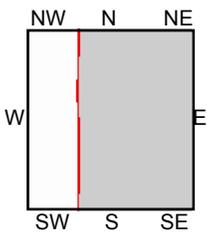
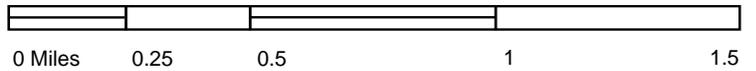
TP, Sheridan, 1911, 30-minute

SITE NAME: Acme Power Plant  
ADDRESS: 165 Acme Road  
Ranchester, WY 82839  
CLIENT: Weston Solutions, Inc.





This report includes information from the following map sheet(s).



TP, Sheridan, 1909, 30-minute

SITE NAME: Acme Power Plant  
ADDRESS: 165 Acme Road  
Ranchester, WY 82839  
CLIENT: Weston Solutions, Inc.



---

**APPENDIX F**  
**EDR CITY DIRECTORY IMAGE REPORT**

---

**Acme Power Plant**

165 Acme Road  
Ranchester, WY 82839

Inquiry Number: 4781263.5  
November 15, 2016

# The EDR-City Directory Abstract

## TABLE OF CONTENTS

### SECTION

Executive Summary

Findings

City Directory Images

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

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# 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.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1992 through 2013. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

## 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>
2013	Cole Information Services	-	-	-	-
2008	Cole Information Services	-	-	-	-
2003	Cole Information Services	-	-	-	-
1999	Cole Information Services	-	-	-	-
1995	Cole Information Services	-	-	-	-
1992	Cole Information Services	-	-	-	-

## FINDINGS

### TARGET PROPERTY INFORMATION

#### ADDRESS

165 Acme Road  
Ranchester, WY 82839

#### FINDINGS DETAIL

Target Property research detail.

## FINDINGS

### ADJOINING PROPERTY DETAIL

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

No Addresses Found

## FINDINGS

### TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

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

#### Address Researched

165 Acme Road

#### Address Not Identified in Research Source

2013, 2008, 2003, 1999, 1995, 1992

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**APPENDIX G**  
**EDR CERTIFIED SANBORN® MAP REPORT**

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Acme Power Plant  
165 Acme Road  
Ranchester, WY 82839

Inquiry Number: 4781263.3

November 15, 2016

## Certified Sanborn® Map Report



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

# Certified Sanborn® Map Report

11/15/16

**Site Name:**

Acme Power Plant  
165 Acme Road  
Ranchester, WY 82839  
EDR Inquiry # 4781263.3

**Client Name:**

Weston Solutions, Inc.  
1435 Garrison St Suite 100  
Lakewood, CO 80215  
Contact: Natalie Quiet



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Weston Solutions, Inc. were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting [www.edrnet.com/sanborn](http://www.edrnet.com/sanborn).

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

## Certified Sanborn Results:

**Certification #** AA18-43C7-98DB  
**PO #** 0003/1609-07  
**Project** Acme Power Plant



Sanborn® Library search results

Certification #: AA18-43C7-98DB

### 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.

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others 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

*The Sanborn Library LLC Since 1866™*

## Limited Permission To Make Copies

Weston Solutions, Inc. (the client) is permitted to make up to FIVE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

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**APPENDIX H**  
**EDR ENVIRONMENTAL LIENSEARCH™**

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**Acme Power Plant**

165 Acme Road,  
Ranchester, WY 82839

Inquiry Number: 4781263.7  
11/28/2016

# The EDR Environmental LienSearch™



6 Armstrong Road,  
Fourth Floor  
Shelton, CT 06484  
800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

## EDR Environmental LienSearch™ Report

The EDR Environmental LienSearch Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

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

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# EDR Environmental LienSearch™ Report

## TARGET PROPERTY INFORMATION

### ADDRESS

ACME POWER PLANT  
165 ACME ROAD,  
RANCHESTER, WY 82839

### RESEARCH SOURCE

Source 1: Sheridan County Recorder of Deeds

Source 2:

### PROPERTY INFORMATION

#### **Deed 1:**

Type of Deed: Warranty Deed  
Title is vested in: Diversified Resources, Inc.  
Title received from: Ft. Acme, Inc.  
Deed Dated: 04/19/2001  
Deed Recorded: 04/23/2001  
Book: 422  
Page: 654  
Volume:  
Instrument: 373399  
Docket:  
Land Record Comments:  
Miscellaneous Comments:

#### **Legal Description:**

**ALL OF THAT CERTAIN TRACT, PARCEL OR LOT OF LAND SITUATED IN THE SHERIDAN COUNTY, WYOMING AND BEING MORE FULLY DESCRIBED IN BOOK 422, PAGE 654 AND INSTRUMENT NO. 373399 IN THE DEED RECORDS OF SHERIDAN COUNTY, WYOMING.**

#### **Legal Current Owner:**

**Property Identifiers: APN: 57841530000333**

#### **Comments:**

## EDR Environmental LienSearch™ Report

### ENVIRONMENTAL LIEN

Environmental Lien: Found  Not Found

If found:

1<sup>st</sup> Party:

2<sup>nd</sup> Party:

Dated:

Recorded:

Book:

Page:

Docket:

Volume:

Instrument:

Comments:

Miscellaneous:

### OTHER ACTIVITY AND USE LIMITATIONS (AULs)

Other AUL's: Found  Not Found

If found:

1<sup>st</sup> Party:

2<sup>nd</sup> Party:

Dated:

Recorded:

Book:

Page:

Docket:

Volume:

Instrument:

Comments:

Miscellaneous:

**EDR Environmental LienSearch™ Report**

**DEED EXHIBIT**

**EDR Environmental LienSearch™ Report**

**ENVIRONMENTAL LIEN EXHIBITS**

**EDR Environmental LienSearch™ Report**

**ACTIVITY AND USE LIMITATION (AULS)  
EXHIBITS**

**EDR Environmental LienSearch™ Report**

**MISCELLANEOUS EXHIBITS**

RECORDED APRIL 19, 2001 BK 422 PG 636 NO 373191 AUDREY KOLTISKA, COUNTY CLERK

WARRANTY DEED

RECORDED APRIL 23, 2001 BK 422 PG 654 NO 373399 AUDREY KOLTISKA, COUNTY CLERK

THIS WARRANTY DEED is made this 19th day of April, 2001, by and between Ft. Acme, Inc., whose address is 326 West Whitney Street, Sheridan, Wyoming; hereinafter referred to as "Grantor", and Diversified Resources, Inc., whose address is 326 West Whitney Street, Sheridan, Wyoming; hereinafter referred to as "Grantee":

WITNESSETH: *JJC*

The Grantor, for and in consideration of the sum of Ten Dollars (\$10.00) and other valuable consideration, receipt of which is hereby acknowledged, hereby grants, bargains, sells, remises, releases, and conveys to the Grantee, all that certain land situate in Sheridan County, State of Wyoming, to-wit:

A tract of land situated in the  $N\frac{1}{4}SW\frac{1}{4}$  of Section 15, Township 57 North, Range 84 West, 6th P.M., Sheridan County, Wyoming, described as follows:

Commencing at a point which is  $N.31^{\circ}23'E.$  1984.5 feet, and thence  $N.63^{\circ}05'30"E.$  475 feet from the Southwest corner of the said Section 15, said point being marked by a cement monument; thence  $N.26^{\circ}54'30"W.$  a distance of 357 feet to a point marked by a cement monument; thence running  $S.86^{\circ}13'55"W.$  a distance of 509.5 feet to a point marked by a cement monument; thence  $S.24^{\circ}54'W.$  a distance of 127.24 feet to a point; thence running  $S.26^{\circ}54'30"E.$  a distance of 420.82 feet; thence running  $N.69^{\circ}06'E.$  a distance of 578.15 feet to the point of beginning, said tract containing 5.8 acres more or less, together with all and singular the tenements, hereditaments, and appurtenances; and the reversion and reversions, remainder and remainders, rents, issues, and profits;

Subject to: All easement, rights-of-way, restrictions and reservations of record or apparent upon examination.

TOGETHER with all the tenements, hereditaments and appurtenances thereto belonging or in anyway appertaining, to have and to hold in fee simple forever.

The Grantor hereby covenants with said Grantee that the Grantor is lawfully seized of said land in fee simple, has good right and lawful authority to sell and convey said land, hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever, and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2001, conditions, restrictions, easements, limitations and zoning ordinances of record, if any, and any described mortgages, which Grantee herein assumes and agrees to pay.

IN WITNESS WHEREOF, the said Grantor has signed and sealed these presents the day and year first above written.

Init. *JJC*

Init. *DRC*

Signed, sealed and delivered in the presence of:

John J. Culhane  
John J. Culhane, President Witness

Dianne Ross Culhane  
Dianne Ross Culhane, Secretary Witness

State of: WYOMING

County of: SHERIDAN

Sworn and subscribed before me at SHERIDAN in the state and county aforementioned by John J. Culhane and Dianne Ross Culhane (who is personally known to me or showed PERSONALLY KNOWN as identification and did/did not take an oath), the person described in and who executed the foregoing instrument and he acknowledged before me that he executed the same for the purposes set out therein.

WITNESS my hand and official seal in the state and county last aforesaid this 19th day of April, 2004

PENELOPE L. STATES-Notary Public  
County of Sheridan  
My Commission Expires 4/29/04



Penelope L. States  
Notary Public

State of Wyoming  
My Commission Expires:

4/29/04

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**APPENDIX I**  
**EDR PROPERTY TAX MAP REPORT**

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**Acme Power Plant**

165 Acme Road  
Ranchester, WY 82839

Inquiry Number: 4781263.6  
November 15, 2016

# The EDR Property Tax Map Report

## EDR Property Tax Map Report

Environmental Data Resources, Inc.'s EDR Property Tax Map Report is designed to assist environmental professionals in evaluating potential environmental conditions on a target property by understanding property boundaries and other characteristics. The report includes a search of available property tax maps, which include information on boundaries for the target property and neighboring properties, addresses, parcel identification numbers, as well as other data typically used in property location and identification.

## NO COVERAGE

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

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**APPENDIX J**  
**EDR BUILDING PERMIT REPORT**

---

**Acme Power Plant**

165 Acme Road  
Ranchester, WY 82839

Inquiry Number: 4781263.8  
November 18, 2016

# EDR Building Permit Report

Target Property and Adjoining Properties

# EDR Building Permit Report: Search Documentation

11/15/16

**Site Name:**

Acme Power Plant  
165 Acme Road  
Ranchester, WY 82839

**Client Name:**

Weston Solutions, Inc.  
1435 Garrison St Suite 100  
Lakewood, CO 80215

EDR Inquiry # 4781263.8

Contact: Natalie Quiet

## Search Documentation

### DATA GAP

The complete collection of Building Permit data available to EDR has been searched, and as of 11/15/16, EDR does not have access to building permits in the city where your target property is located (Ranchester, WY).

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# EDR BUILDING PERMIT REPORT

## About This Report

The EDR Building Permit Report provides a practical and efficient method to search building department records for indications of environmental conditions. Generated via a search of municipal building permit records gathered from more than 1,600 cities nationwide, this report will assist you in meeting the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

Building permit data can be used to identify current and/or former operations and structures/features of environmental concern. The data can provide information on a target property and adjoining properties such as the presence of underground storage tanks, pump islands, sumps, drywells, etc., as well as information regarding water, sewer, natural gas, electrical connection dates, and current/former septic tanks.

## ASTM and EPA Requirements

ASTM E 1527-13 lists building department records as a "standard historical source," as detailed in § 8.3.4.7: "Building Department Records - The term building department records means those records of the local government in which the property is located indicating permission of the local government to construct, alter, or demolish improvements on the property." ASTM also states that "Uses in the area surrounding the property shall be identified in the report, but this task is required only to the extent that this information is revealed in the course of researching the property itself."

EPA's Standards and Practices for All Appropriate Inquiries (AAI) states: "§312.24: Reviews of historical sources of information. (a) Historical documents and records must be reviewed for the purposes of achieving the objectives and performance factors of §312.20(e) and (f). Historical documents and records may include, but are not limited to, aerial photographs, fire insurance maps, building department records, chain of title documents, and land use records."

## Methodology

EDR has developed the EDR Building Permit Report through our partnership with BuildFax, the nation's largest repository of building department records. BuildFax collects, updates, and manages building department records from local municipal governments. The database now includes 30 million permits, on more than 10 million properties across 1,600 cities in the United States.

The EDR Building Permit Report comprises local municipal building permit records, gathered directly from local jurisdictions, including both target property and adjoining properties. Years of coverage vary by municipality. Data reported includes (where available): date of permit, permit type, permit number, status, valuation, contractor company, contractor name, and description.

Incoming permit data is checked at seven stages in a regimented quality control process, from initial data source interview, to data preparation, through final auditing. To ensure the building department is accurate, each of the seven quality control stages contains, on average, 15 additional quality checks, resulting in a process of approximately 105 quality control "touch points."

For more information about the EDR Building Permit Report, please contact your EDR Account Executive at (800) 352-0050.



---

**APPENDIX K**  
**EDR CHAIN OF TITLE REPORT**

---



**Acme Power Plant**

165 Acme Road  
Ranchester, WY 82839

Inquiry Number: 4781263.14  
11/28/2016

# The EDR Chain of Title Report

## EDR Chain of Title

The EDR Chain of Title Report tracks a line of successive owners from the present back to 1940 of a particular parcel of property, linked together by recorded transactions which pass title. Available nationwide, this report provides a summary of a property's ownership history and is a valuable source for determining the prior uses of a property

A network of professional abstractors following established procedures, uses client supplied address information to locate:

- Historical Chain of Title research
- Leases and Miscellaneous

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

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## EDR Chain of Title

### TARGET PROPERTY INFORMATION

#### ADDRESS

ACME POWER PLANT  
165 ACME ROAD  
RANCHESTER, WY 82839

#### Research Source

Source 1: Sheridan County Recorder of Deeds

Source 2:

Examiner's Note: Public records of Sheridan County, Wyoming were searched from January 1, 1940 to November 8, 2016, and no other deeds vesting title in the subject property were found of record during the period searched.

### PROPERTY DESCRIPTION

Current Owner: Diversified Resources, Inc.

Legal Description: ALL OF THAT CERTAIN TRACT, PARCEL OR LOT OF LAND SITUATED IN THE SHERIDAN COUNTY, WYOMING AND BEING MORE FULLY DESCRIBED IN BOOK 422, PAGE 654, AND INSTRUMENT NO. 373399 IN THE DEED RECORDS OF SHERIDAN COUNTY, WYOMING.

Property Identifiers: 57841530000333

General Comments:

### HISTORICAL CHAIN OF TITLE

See Exhibit "A"

### LEASES AND MISCELLANEOUS

See Exhibit "B"

**EDR Chain of Title**

**Chain of Title**

**Exhibit "A"**

RECORDED APRIL 19, 2001 BK 422 PG 636 NO 373191 AUDREY KOLTISKA, COUNTY CLERK

WARRANTY DEED

RECORDED APRIL 23, 2001 BK 422 PG 654 NO 373399 AUDREY KOLTISKA, COUNTY CLERK

THIS WARRANTY DEED is made this 19th day of April, 2001, by and between Ft. Acme, Inc., whose address is 326 West Whitney Street, Sheridan, Wyoming; hereinafter referred to as "Grantor", and Diversified Resources, Inc., whose address is 326 West Whitney Street, Sheridan, Wyoming; hereinafter referred to as "Grantee":

WITNESSETH: *JJC*

The Grantor, for and in consideration of the sum of Ten Dollars (\$10.00) and other valuable consideration, receipt of which is hereby acknowledged, hereby grants, bargains, sells, remises, releases, and conveys to the Grantee, all that certain land situate in Sheridan County, State of Wyoming, to-wit:

A tract of land situated in the  $N\frac{1}{2}SW\frac{1}{4}$  of Section 15, Township 57 North, Range 84 West, 6th P.M., Sheridan County, Wyoming, described as follows:

Commencing at a point which is  $N.31^{\circ}23'E.$  1984.5 feet, and thence  $N.63^{\circ}05'30"E.$  475 feet from the Southwest corner of the said Section 15, said point being marked by a cement monument; thence  $N.26^{\circ}54'30"W.$  a distance of 357 feet to a point marked by a cement monument; thence running  $S.86^{\circ}13'55"W.$  a distance of 509.5 feet to a point marked by a cement monument; thence  $S.24^{\circ}54'W.$  a distance of 127.24 feet to a point; thence running  $S.26^{\circ}54'30"E.$  a distance of 420.82 feet; thence running  $N.69^{\circ}06'E.$  a distance of 578.15 feet to the point of beginning, said tract containing 5.8 acres more or less, together with all and singular the tenements, hereditaments, and appurtenances; and the reversion and reversions, remainder and remainders, rents, issues, and profits;

Subject to: All easement, rights-of-way, restrictions and reservations of record or apparent upon examination.

TOGETHER with all the tenements, hereditaments and appurtenances thereto belonging or in anyway appertaining, to have and to hold in fee simple forever.

The Grantor hereby covenants with said Grantee that the Grantor is lawfully seized of said land in fee simple, has good right and lawful authority to sell and convey said land, hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever, and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2001, conditions, restrictions, easements, limitations and zoning ordinances of record, if any, and any described mortgages, which Grantee herein assumes and agrees to pay.

IN WITNESS WHEREOF, the said Grantor has signed and sealed these presents the day and year first above written.

Init. *JJC*

Init. *DRC*

Signed, sealed and delivered in the presence of:

John J. Culhane  
John J. Culhane, President Witness

Dianne Ross Culhane  
Dianne Ross Culhane, Secretary Witness

State of: WYOMING

County of: SHERIDAN

Sworn and subscribed before me at SHERIDAN in the state and county aforementioned by John J. Culhane and Dianne Ross Culhane (who is personally known to me or showed PERSONALLY KNOWN as identification and did/did not take an oath), the person described in and who executed the foregoing instrument and he acknowledged before me that he executed the same for the purposes set out therein.

WITNESS my hand and official seal in the state and county last aforesaid this 19th day of April, 2004

PENELOPE L. STATES-Notary Public  
County of Sheridan  
My Commission Expires 4/29/04



Penelope L. States  
Notary Public

State of Wyoming  
My Commission Expires:

4/29/04

# EDR Chain of Title

## HISTORICAL CHAIN OF TITLE

### PARCEL NO. 1

#### **Chain 1**

Type of Deed: Deed  
Title is vested in: Roger Hutchens and Myrtle Hutchens  
Title received from: Howell Douglas and Emma Douglas  
Date Executed: 04/20/1939  
Date Recorded: 05/02/1939  
Book: 130  
Page: 82  
Volume:  
Instrument #:  
Docket:

Land Record Comments:

#### **Chain 2**

Type of Deed: Deed  
Title is vested in: Joseph Perkins, et al  
Title received from: Roger Hutchens and Myrtle Hutchens  
Date Executed: 02/10/1956  
Date Recorded: 02/20/1956  
Book: 193  
Page: 314  
Volume:  
Instrument #:  
Docket:

Land Record Comments:

#### **Chain 3**

Type of Deed: Deed  
Title is vested in: Carl Weissman, et al  
Title received from: Joseph Perkins, et al  
Date Executed: 10/13/1972  
Date Recorded: 10/16/1972  
Book: 259  
Page: 166  
Volume:  
Instrument #:  
Docket:

Land Record Comments:

**Chain 4**

Type of Deed: Deed  
Title is vested in: Carl Weissman & Sons Inc.  
Title received from: Carl Weissman, et al  
Date Executed: 05/12/1981  
Date Recorded: 05/18/1981  
Book: 304  
Page: 249  
Volume:  
Instrument #:  
Docket:

Land Record Comments:

**Chain 5**

Type of Deed: Deed  
Title is vested in: Three W's Inc.  
Title received from: Carl Weissman & Sons, Inc.  
Date Executed: 09/03/1981  
Date Recorded: 09/10/1981  
Book: 307  
Page: 96  
Volume:  
Instrument #:  
Docket:

Land Record Comments:

**Chain 6**

Type of Deed: Deed  
Title is vested in: Perkins Power, Inc.  
Title received from: Three W's Inc.  
Date Executed: 06/07/1985  
Date Recorded: 06/12/1985  
Book: 320  
Page: 563  
Volume:  
Instrument #:  
Docket:

Land Record Comments:

**Chain 7**

Type of Deed: Deed  
Title is vested in: Hitexonics, Ltd.  
Title received from: Perkins Power, Inc.  
Date Executed: 07/22/1991  
Date Recorded: 07/25/1991  
Book: 344  
Page: 8  
Volume:  
Instrument #:  
Docket:

Land Record Comments:

**Chain 8**

Type of Deed: Deed  
Title is vested in: Black Diamond Resources, Inc.  
Title received from: Hitexonics, Ltd.  
Date Executed: 03/02/1992  
Date Recorded: 03/03/1992  
Book: 348  
Page: 342  
Volume:  
Instrument #:  
Docket:

Land Record Comments:

**Chain 9**

Type of Deed: Deed  
Title is vested in: Golden Eagle Resources, Inc.  
Title received from: Black Diamond Resources, Inc.  
Date Executed: 07/01/1992  
Date Recorded: 07/01/1992  
Book: 351  
Page: 505  
Volume:  
Instrument #:  
Docket:

Land Record Comments:

**Chain 10**

Type of Deed: Deed  
Title is vested in: Ft. Acme, Inc.  
Title received from: Golden Eagle Resources, Inc.  
Date Executed: 08/16/1994  
Date Recorded: 08/18/1994  
Book: 375  
Page: 288  
Volume:  
Instrument #:  
Docket:

Land Record Comments:

**Chain 11**

Type of Deed: Deed  
Title is vested in: Diversified Resources, LLC  
Title received from: Ft. Acme, Inc.  
Date Executed: 01/17/2001  
Date Recorded: 01/17/2001  
Book: 420  
Page: 338  
Volume:  
Instrument #:  
Docket:

Land Record Comments:

**Chain 12**

Type of Deed:	Warranty Deed
Title is vested in:	Diversified Resources, Inc.
Title received from:	Ft. Acme, Inc.
Date Executed:	April 19, 2001
Date Recorded:	April 23, 2001
Book:	422
Page:	654
Volume:	
Instrument #:	373399
Docket:	

Land Record Comments:

**EDR Chain of Title**

**LEASES and MISCELLANEOUS**

**Exhibit "B"**

# EDR Chain of Title

## **LEASES and MISCELLANEOUS**

**1.** Type of Instrument:

First Party:

Second Party:

Recorded:

Book:

Page:

Document No.:

Comments:

**2.** Type of Instrument:

First Party:

Second Party:

Recorded:

Book:

Page:

Document No.:

Comments:

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**APPENDIX L**  
**SUPPLEMENTARY INFORMATION**

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# Targeted Brownfields Assessment (TBA) Application

EPA Region 8 accepts applications for environmental assessment assistance at brownfields properties on an ongoing basis. To request Region 8's technical assistance, please complete this application. The information provided will be evaluated to determine if the applicant and site meet the selection criteria for the TBA program. EPA will also evaluate whether funding is available to perform the requested assessment within the desired schedule. Applicants will be contacted promptly after this review. For more information on TBAs, please visit: [www.epa.gov/region8/brownfields/tba.html](http://www.epa.gov/region8/brownfields/tba.html)

## 1. Applicant Information

Applicant Organization	Sheridan County Conservation District
Contact Person and Title	Carrie Rogaczewski, District Manager Susan Holmes, Secretary/Treasurer; alternate contact
Street Address	1949 Sugarland Drive, Suite 102
City, State ZIP Code	Sheridan, WY 82801
Phone	(307) 672-5820 x. 3
Fax	NA
Email Address	carrie.rogaczewski@sccdwy.org

## 2. Site Description and History

Site Name	Former Acme Coal-Fired Power Plant
Address	165 Acme Road, Sheridan, Wyoming
Acreage	5.8 acres
Lat/Long Coordinates	44° 54.779, -106° 59.278
Current Owner's Name	Diversified Resources, LLC (Diane Culhane)
Current Owner's Address	428 North Jefferson Street, Apt 21 Sheridan, WY 82801

- A. Please provide a brief description of the property and the specific assessment(s) you wish to have performed (e.g., Phase I, II and/or cleanup planning): **The former Acme Power Plant was constructed in 1910 to supply power to the Acme Mine, which operated from 1909 to 1964. Additions to the plant were constructed in 1947 and 1953. Later, the site was used for other commercial purposes, including car crushing, salvage operations, and battery recycling activities. The site is currently abandoned and not being used for commercial or industrial purposes. We would like to request a Phase I assessment with the intention of progressing into a Phase II and ultimately site cleanup.**
- B. When you would like the assessment(s) to be conducted? What is the project timeline? **We would like the Phase I to be initiated as soon as possible and would expect to move into the Phase II as soon as the Phase I is completed. The timeline for cleanup will depend largely on the duration of Phase I and Phase II assessments and availability of funding for cleanup.**

- C. Why would you like the assessment(s) conducted? (TBAs can be used to facilitate property acquisitions, meet EPA grant application requirements, characterize contamination for environmental cleanup, among other reasons.) **This project is one component of the Tongue River Initiative, a loose collaboration among the Sheridan Community Land Trust, The Nature Conservancy, and the Sheridan County Conservation District to address conservation needs in the Tongue River Watershed. The assessment and cleanup of this site will help address potential environmental conditions, improve water quality in and around the Tongue River, and enhance recreation opportunities. It is the intent of this collaborative effort to clean up this site so it can be used for recreational purposes, including access to the Tongue River, picnicking, bird watching, hiking, etc.**
- D. Describe the environmental conditions at the site, including potential contaminants and a summary of any known past environmental investigations. Describe the past uses of the site. **The environmental conditions at the site are unknown; however past uses suggest a high likelihood of potential contamination. The Acme Power Plant was a coal-fired plant that ceased operations in 1964; some ash piles are still located in the vicinity adjacent to the Tongue River. The site was also used for other commercial operations including car crushing, salvage operations, and battery recycling. The Power Plant structure remains on the site along with a modular residence, storage sheds, equipment, and debris. Potential items of concern include asbestos contain materials in the building, drums with unknown contents, coal ash piles, abandoned vehicles, and potentially residual waste products (e.g. used oil, fuel, generator waste, solvents, etc.)**
- E. Is the applicant the property owner? (Yes/No) **NO, but anticipates acquiring property after the Phase I Assessment.**
- F. If not, does the applicant have legal permission to enter the property to conduct the site assessment activities? (Yes/No) Note, applicant will be required to secure access. **YES**
- G. Do you know how and when the contamination occurred? (Yes/No) If yes, describe. Note, applicants who are responsible for causing contamination are not eligible for assistance under this program. **YES and NO; the Power Plant was in operation from 1910 to 1964. Specific dates/details of subsequent and other activities are unknown.**
- H. Describe any state or federal regulatory involvement at the site related to its environmental condition. **NONE KNOWN**
- I. Is there an ongoing or planned state or federal enforcement action or order at the site? (Yes/No) If yes, please explain. **NO**
- Is the site on any state or federal environmental lists, such as the National Priorities Lists (NPL) or the Leaking Underground Storage Tanks (LUST) list? (Yes/No) If yes, please explain. **NO**
  - If petroleum contamination is suspected, has the applicant worked with the State or EPA to determine eligibility\*? (Yes/No/NA) If yes, please explain. **NA**

### 3. Property Reuse and Redevelopment

- A. Describe the anticipated reuse or redevelopment of the property. **The proximity of the site to Tongue River, Goose Creek, and public areas make it an ideal area for future recreational and green space uses. Future uses could include fishing and boating access to the Tongue River as well as hiking and other uses. The site is located within the historic Sheridan County Mining District and could be included as a point of interest on the existing "Black Diamond Interpretive Trail."**
- B. Describe any commitments in place to show this brownfields site will be cleaned up and redeveloped or reused. Please indicate potential or secured funding sources for cleanup and redevelopment. **In 2015, an exploratory committee comprised of representatives from the Sheridan County Conservation District, Sheridan Community Land Trust, and The Nature Conservancy, initiated discussions about a cleanup effort at the project site. As a result, the committee contracted with Trihydro Corporation to evaluate the feasibility of conducting assessment and cleanup activities. After completion of the Phase I assessment, the committee will establish a formal advisory committee that will include participation from the initial exploratory committee as well as Sheridan County, Wyoming Game and Fish, adjacent land owners, and others. The Assessment report completed by Trihydro included information about potential funding sources for assessment and cleanup activities. Potential funding sources include: USEPA Targeted Brownfields Assessment Program, USEPA Assessment Grant, USEPA Cleanup Grants, and the Wyoming Department of Environmental Quality (WDEQ) Brownfields Assistance Program. The committee will pursue additional local funding sources for cleanup activities once the assessments are complete.**
- C. Describe how site reuse/redevelopment will benefit the community (e.g., creation of jobs, green space, parks, sustainable/green redevelopment, a catalyst for further redevelopment in the area, etc). Privately owned sites must provide a substantial public benefit. **Areas around the site are frequently used for hunting, fishing, and other recreational activities. The site is adjacent to the Tongue River and in close proximity to Goose Creek, a tributary to the Tongue River. Site cleanup would likely improve water quality in these drainages and ensure that existing and future recreational uses are supported. The site's proximity to other recreational areas and tourist attractions, including the Kleenburn Ponds and the Black Diamond Interpretive Trail, make it an ideal location for expansion and continuation of these uses.**
- D. Will the property be sold or transferred to a different entity? If so, please describe. **Several options for future site ownership have been discussed by the exploratory committee; however none have been finalized at this time. Pending final details, the Sheridan County Conservation District expects to assume ownership of the property upon completion of the Phase I and would likely maintain ownership during the cleanup process. Options for ultimate site ownership include (but are not limited to) Sheridan County as an extension of the Kleenburn Recreation Area, the Wyoming Game and Fish, and an adjacent private landowner with a Conservation Easement and/or Walk-in area to ensure continued public use/benefit of the site.**

- E. Describe the roles of stakeholders in the project, e.g., community organizations, local government involvement, etc. **Upon initiation of the Phase I assessment, the exploratory committee will reach out to other community organizations and potential stakeholders. For the Phase I, the Sheridan County Conservation District will provide project administration and serve as the applicant. Other input and oversight will be provided by the Sheridan Community Land Trust, The Nature Conservancy, and other project partners as they are identified.**
- F. Describe efforts directed towards involving the community in site reuse planning activities. **Upon completion of the Phase I assessment, a formal advisory committee will discuss ways to involve the community in the reuse planning activities. At a minimum, there will be discussions with other community organizations, including (but not limited to), Trout Unlimited, Forward Sheridan, and others.**

#### 4. Additional Information

Please email any supporting documentation such as regional and site location maps, photographs, prior site assessment reports and historical environmental information, if available, to the email address provided below.

**See attached:**

**Regional and Site location maps  
Trihydro Assessment and Cleanup Activities Report**

#### 5. Contact Information

To submit your application or for questions, please contact Bill Rothenmeyer, TBA Program Manager:

Email: [rothenmeyer.william@epa.gov](mailto:rothenmeyer.william@epa.gov)

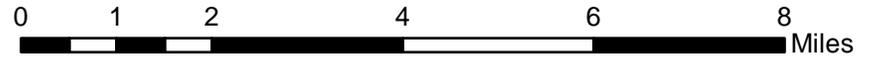
Phone: 303-312-6045

Fax: 303-312-6065

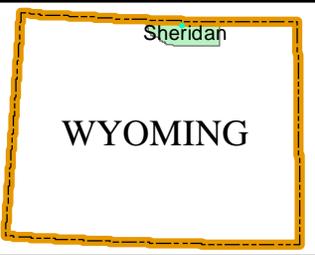
\*The Brownfields Law outlines specific criteria by which petroleum sites may be eligible for brownfields funding. Briefly, these criteria are that the site must be of "relatively low risk," there can be no viable responsible party, the applicant cannot be potentially liable for cleaning up the site, and the site must not be subject to a Resource Conservation and Recovery Act (RCRA) corrective action order. If a party is identified as being responsible for the site and that party is financially viable, then the site is not eligible for brownfields grant funds. For more information, visit [www.epa.gov/oswer/docs/grants/epa-oswer-oblr-11-05.pdf](http://www.epa.gov/oswer/docs/grants/epa-oswer-oblr-11-05.pdf).



# Tongue River Watershed 2016 Tongue River Acme Regional Map



1 inch equals 2 miles



Sheridan

WYOMING





# Tongue River Watershed 2016 Tongue River Acme SiteMap



0 150 300 600 900 Feet

1 inch equals 300 feet





October 14, 2015

Ms. Carrie Rogaczewski  
Sheridan County Conservation District  
1949 Sugarland Drive, Suite 102  
Sheridan, WY 82801

RE: *Former Acme Power Plant, Assessment and Cleanup Alternatives Report*  
Sheridan County, Wyoming

Dear Ms. Rogaczewski:

Enclosed please find the October 14, 2015, *Assessment and Cleanup Alternatives Report* (Report) for the former Acme Power Plant (Site). The Report was prepared by Trihydro Corporation (Trihydro) on behalf of the Sheridan County Conservation District (SCCD).

Trihydro appreciates the opportunity to prepare the brownfields Site evaluation for the SCCD. We look forward to providing technical assistance if the Site moves forward in the assessment and cleanup process, if requested. Please do not hesitate to contact me at (307) 332-5280 or kbrown@ trihydro.com, if you have any questions, or require additional information.

Sincerely,  
Trihydro Corporation

A handwritten signature in blue ink that reads "Kathy Brown".

Kathy Brown  
Senior Geologist/Project Manager

38F-001-001

Enclosure

**FORMER ACME POWER PLANT  
ASSESSMENT AND CLEANUP ALTERNATIVES REPORT  
SHERIDAN COUNTY, WYOMING  
PREPARED FOR:  
SHERIDAN COUNTY CONSERVATION DISTRICT**

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**October 14, 2015**

**Project No.: 38F-001-001**

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**SUBMITTED BY:** Trihydro Corporation

1252 Commerce Drive, Laramie, WY 82070

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**ENGINEERING SOLUTIONS. ADVANCING BUSINESS.**

**Home Office** | 1252 Commerce Drive | Laramie, WY 82070 | phone 307/745.7474 | fax 307/745.7729 | [www.trihydro.com](http://www.trihydro.com)

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- B. APPLICATION FOR PHASE I ENVIRONMENTAL SITE ASSESSMENT
- C. USEPA REGION 8 TARGETED BROWNFIELDS ASSESSMENT APPLICATION
- D. USEPA BROWNFIELDS GRANT INFORMATION



# 1.0 INTRODUCTION

Trihydro Corporation has prepared this Assessment and Cleanup Alternatives Report (Report) on behalf of the Sheridan County Conservation District (SCCD), and other partners, for the former Acme Power Plant (Site) located in Sheridan County, Wyoming. The purpose of the Report is to evaluate the options and feasibility of conducting assessment and cleanup activities, at the Site, as applicable. Additionally, the Report evaluates potential partnership opportunities and property ownership options that could be considered if assessment/cleanup activities are pursued at the Site.

## 1.1 BACKGROUND INFORMATION

The former Acme Coal-Fired Power Plant is located approximately 5 miles north of Sheridan, Wyoming, in the NW ¼, SW ¼, Section 15, Township 57 North, Range 84 West, in Sheridan County, Wyoming, as shown on Figure 1-1. The Site is located on the Tongue River, immediately upstream of the confluence with Goose Creek. The 5.8 acre property is owned by Diversified Resources LLC, listed an “Inactive-Administratively Dissolved” entity. County property taxes have been paid by Eileen Bell, a co-guardian of Mr. John Culhane, previously a partner of Diversified Resources. Mr. Culhane passed away on September 20, 2015. See Section 2.2 for a discussion of Site ownership.

This Report has been prepared in response to a request from an Exploratory Committee comprised of the SCCD, Sheridan Community Land Trust (SCLT), and The Nature Conservancy (TNC). Each of these entities have been active in the Tongue River watershed for several years in separate capacities reflective of their missions. Programs are in place to benefit the Tongue River because of its municipal, agricultural, and recreational importance to Sheridan County. The SCCD conducts water quality monitoring and provides cost-share funding for agricultural and residential projects that benefit water quality. Among other things, the SCLT has developed the Tongue River Water Trails system to enhance recreational opportunities. The TNC uses a variety of mechanisms, including easements, to preserve the integrity of land and water resources within the Tongue River Watershed.

These entities are also currently working in cooperation to implement the Tongue River Initiative. Initiated by the SCLT, the Tongue River Initiative (i.e., TRI) is a partnership between the SCLT, SCCD, and TNC, which works with a myriad of other agencies to maintain and enhance the greater Tongue River watershed. In January 2015, the Initiative received a \$1.9 million grant from the Regional Conservation Partnership Program, a program created in the 2014 Farm Bill. The Tongue River Initiative engages in a large-scale approach to conservation by encouraging agencies and landowners to work together to address conservation needs across the entire landscape in the greater Tongue River watershed.

Potential cleanup and redevelopment of the former Acme Power Plant Site is a logical continuation of the Tongue River Initiative already underway. Therefore, the Exploratory Committee expressed interest in the assessment and cleanup of the Site to address potential environmental conditions, improve water quality in and around the Tongue River, and enhance recreation opportunities in the area.

The Site meets the definition of a “brownfield site,” which is defined as real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Therefore, this Report explores Site assessment and cleanup options under the various brownfields programs.

## **1.2 REPORT OBJECTIVES**

The objective of this evaluation is to determine if there are adequate resources available for the assessment, and potential cleanup of the Site. An additional objective is to evaluate various scenarios regarding property ownership and partnership opportunities. The final objective is to evaluate environmental liability regarding Site acquisition and assessment activities.

The Report presents two potential scenarios for moving the Site through the assessment and cleanup process. Detailed cost estimates of anticipated assessment and cleanup activities are not included in the scope of this Report. The Report focuses on the regulatory process and funding alternatives.

## 2.0 SITE UNDERSTANDING

This section provides an understanding of past and current Site conditions, and potential future Site uses. There is a limited amount of information available on historical use of the Site regarding specific waste streams and waste management practices. Current conditions are based on aerial photographs and discussions with the Exploratory Committee.

### 2.1 HISTORICAL USE OF SITE

The former Acme Power Plant was a coal-fired power plant that supplied power to the Acme Mine and surrounding area. The Acme Mine was one of several coal mines making up the Sheridan County mining district, located north of Sheridan, Wyoming. There were several mining towns that supported the bustling coal mines including Acme, located southeast of the Site on Goose Creek. The Acme Mine began operating in 1909 and the power plant subsequently was constructed in 1910, with additions to the plant in 1947 and 1953. The plant provided electricity to the mine, and surrounding area, until the mine ceased operations in 1964. Remaining structures at the Site include the power plant building, a modular residence, storage sheds, and sundry equipment and debris. After the power plant ceased operation, the Site was used for other commercial operations, including but not limited to, car crushing and battery recycling activities. Detailed research on these activities and the operators is beyond the scope of this Report.

### 2.2 CURRENT CONDITIONS

The Site is currently abandoned and not being utilized for commercial or industrial purposes. Figure 2-1 includes an aerial view of the Site (2012) and the property boundary. There is a caretaker living fulltime at the Site who resides in a modular home, but details on the number of people and animals living at the Site is unknown. Because the Site is located in an area used for recreational activities, there could potentially be trespassers accessing the Site for hunting, hiking, exploring the historical mining area, or accessing the river. In addition to the historic structures associated with the mine and power plant, other potential items of concern located on the property include asbestos containing materials (ACM) in the building, drums with unknown contents, a coal ash pile across the river, abandoned vehicles, and potentially residual waste products (e.g., used oil, fuel, generator waste, solvents, etc.). The Site is surrounded by property owned by the Padlock Ranch Company, Big Horn Coal Company (c/o Ambre Energy), and State Lands.

Ownership of the property is somewhat unclear at this time. The Sheridan County Assessor lists the owner as Diversified Resources, LLC; however, the Wyoming Secretary of State's office identifies this entity as "Inactive-Administratively Dissolved." In addition, the principal contact for the LLC is listed as Mr. John Culhane, who is recently deceased. It is believed that the survivors of Mr. Culhane's estate have secured legal advice to research

and resolve any discrepancies with the Site ownership such that the estate could be in a position to transfer ownership of the property. The Exploratory Committee has been in contact with Mr. Culhane's legal guardian for several months, and it is believed that Site ownership will be resolved in the near future.

### **2.3 POTENTIAL FUTURE SITE USES**

The proximity of the Site to the Tongue River and Goose Creek make it an ideal area for future recreational and green space uses. In addition, Site cleanup would likely enhance water quality of the Tongue River ensuring these uses are supported by the water quality standards of the river. Potential future uses discussed below are supported by the current Tongue River Initiative and the recreational use of surrounding lands.

Future recreational Site uses could include fishing and boating access to the Tongue River, as well as picnicking, birdwatching, hiking, solitude, and other passive uses. The area around the Site is frequently used for hunting, fishing, and river floating, and the Site could provide future enhanced access for these uses. Additionally, the Site is located within the historic Sheridan County Mining District, and could be included as a point of interest on the existing Black Diamond Interpretive Trail. Water quality improvements support the potential increase in human contact associated with these future uses at the Site.

## 3.0 SITE LIABILITY PROTECTION

There are Federal and State laws that define who may be liable and the regulatory programs established to address contaminated sites. The following subsections summarize Federal and Wyoming liability considerations applicable to the former Acme Power Plant Site.

### 3.1 FEDERAL LIABILITY PROTECTIONS

In 1980, Congress enacted the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) in response to public concern about abandoned hazardous waste sites such as Love Canal. The Act authorizes the federal government to assess and/or clean up contaminated sites and respond to environmental releases. CERCLA establishes a comprehensive liability scheme to require certain categories of parties to conduct or pay for cleanup of such releases. The act requires that wherever possible, potentially responsible parties (PRPs), rather than the general public, pay for cleanups. As described in CERCLA § 107(a), the following categories of persons may be held liable for the costs or performance of a cleanup:

- The current owner or operator of a facility
- An owner or operator of the facility at the time of disposal
- A person who arranged for the disposal or treatment of hazardous substances at a facility owned or operated by another person
- A person who transported a hazardous substance to a facility which the transporter selected for the disposal of the hazardous substances

Under CERCLA's original liability scheme, the current owner of a contaminated property was responsible for the cleanup based solely on ownership status, even if the owner did not contribute to the contamination. As a result, there was a reluctance for various entities to purchase brownfield sites because of concerns with incurring CERCLA liability once the property was acquired. To address these liability concerns, congress passed the Small Business Liability Relief and Brownfields Revitalization Act of 2002 (Brownfields Amendments). The 2002 Brownfields Amendments included new CERCLA liability protections for landowners who acquire property and meet certain criteria both before and after acquisition. Specifically, the three categories of landowners addressed in the Brownfields Amendments are:

- Bona fide prospective purchasers (BFPPs)
- Contiguous property owners
- Innocent landowners

Of the above three categories, only the BFPP protection is applicable to the former Acme Power Plant, since the potential contamination is assumed to not be the result of off-site migration onto the Site (i.e., contiguous property owner), and there is existing knowledge of potential contamination at the Site (i.e., innocent landowner). Section 107(r) of CERCLA protects a party as a BFPP from owner/operator liability if the party acquires the property after January 1, 2002, and meets the criteria in CERCLA § 101(40) and § 107(r). These criteria include the performance of “all appropriate inquiries” (AAI) before acquiring the property. In addition, a person wishing to assert BFPP status cannot otherwise be a PRP at the site or have a prohibited “affiliation” with a liable party at the site. For parties seeking BFPP status, additional obligations throughout the period of ownership must be satisfied which include:

- Complying with land use restrictions and not impeding the effectiveness or integrity of institutional controls
- Exercising appropriate care with respect to hazardous substances found at the property by taking “reasonable steps” to stop any continuing release and to prevent any threatened future release
- Providing cooperation, assistance, and access

BFPP protection is self-implementing and does not require the EPA to make the determinations as to whether a party qualifies for BFPP status. A party can achieve and maintain status as a BFPP, so long as that party meets the statutory criteria. AAI (i.e., Phase I ESA) must be conducted or updated within one year prior to the date of acquisition of a property. If AAI is conducted more than 180 days (6 months), then certain aspects of the inquiries must be updated. AAI must be conducted by an environmental professional in accordance with the final AAI Rule (40 CFR Part 312), and the American Society for Testing and Materials (ASTM) E1527-13 standards.

If AAI was adequately conducted and documented, then any potential purchaser of the former Acme Power Plant Site that meets the specific requirements would qualify as BFPP, and would receive protection from CERCLA liability. To receive CERCLA liability protection, AAI would need to be conducted within one year, and preferable six months, of the purchase of the Site property. Additionally, the property owner would need to comply with the additional obligations listed above. Any potential purchaser of the Site could use an AAI report prepared for the Site to show compliance with AAI and receive BFPP liability protections. This is supported by the AAI rule preamble, “all appropriate investigations may be conducted by or for one party and used by another party.”

### **3.2 WYOMING LIABILITY PROTECTIONS**

In addition to Federal liability for contaminated sites, there is also potential liability in Wyoming under the Wyoming Environmental Quality Act (EQA) and/or the Wyoming Hazardous Waste Rules and Regulations. However, there are protections from environmental liability for property owners in Wyoming as established in the EQA Article 18,



Innocent Owners. Article 18 defines an innocent owner as “a person who did not cause or contribute to the source of contamination and who meets one of the six criteria. Criterion Number six is a BFPP, and is the only criterion that is applicable to a potential purchaser of the Site. The Wyoming BFPP definition and requirements are essentially the same as the Federal BFPP liability protection, including AAI and the additional obligations. Therefore, any prospective purchaser of the Site who meets the requirements of a BFPP would receive environmental liability protection under the EQA.

## 4.0 SITE AND APPLICANT ELIGIBILITY

This section provides a Site eligibility determination for participation in the Wyoming Department of Environmental Quality (WDEQ), Voluntary Remediation Program (VRP), and the United States Environmental Protection Agency (USEPA) Brownfields Program. Site participation in the WDEQ VRP is necessary to apply for several of the funding options. Additionally, participation in the WDEQ VRP is required if the Phase II Environmental Site Assessment (ESA) identifies impacts above the VRP cleanup levels, and for the Site to receive a liability assurance once cleanup is completed. Entry into the VRP is not required for the WDEQ to perform a Phase I ESA, or for the USEPA to perform a Phase I or II ESA. Additionally, this section addresses the eligibility of the applicant to participate in the WDEQ Brownfields Assistance Program and the USEPA Brownfields Program.

Potential applicants evaluated below include the SCCD (local government), the SCLT (non-profit), TNC (non-profit), Sheridan County (local government), and the Padlock Ranch (private). Entities not involved with the Exploratory Committee (Sheridan County and the Padlock Ranch) have not been contacted regarding a potential project at the former Acme Power Plant Site at the time this Report was prepared. These entities may or may not be willing to be active participants should assessment and cleanup activities move forward.

### 4.1 WDEQ VOLUNTARY REMEDIATION PROGRAM

The WDEQ VRP was established during the 2000 legislature session and enacted as Articles 16, 17, and 18 of the Wyoming EQA. The VRP is a set of comprehensive standards and procedures for the voluntary cleanup (i.e., remediation) of contaminated sites, and provides a mechanism for liability protections once site cleanup levels are obtained. Eligibility requirements are established in § 35-11-1602 and are contained in the WDEQ VRP Application located in Appendix A. Below are the VRP eligibility criteria and an evaluation of each criterion for the former Acme Power Plant Site.

- Do current site conditions constitute an imminent and substantial threat to public health or the environment? ANSWER: Unknown; there is insufficient data to determine if environmental impacts exist, and if so, the nature and extent.
- Is the release from a permitted waste management or disposal unit? ANSWER: No, the coal-powered plant ceased operations prior to the establishment of federal and/or state waste management and disposal permitting requirements. There were other activities conducted at the Site after the coal-powered plant was closed, including car crushing and battery recycling operations. However, these operations were not permitted waste management or disposal units.

- Did the contamination occur after March 10, 2000? ANSWER: Unknown. The Site ceased power plant operations in 1964, and it is assumed that any potential contamination at the Site resulted from a release while the facility was operating. However, there were car crushing and battery recycling operations conducted at the Site after March 10, 2000, which may have resulted in a release. The exact dates when these activities occurred is unknown, and there are no documented releases from these operations.
- Was the site or a portion of the site where the release occurred subject to permit requirements of the Environmental Quality Act at the time of the release? ANSWER: No, the EQA was established in 1973 when the WDEQ was founded. The power plant ceased operation in 1964; therefore, there were no permit requirements established during the time that the facility operated. Based on an understanding of the other activities conducted at the Site (i.e., car crushing and battery recycling), there were no EQA permit requirements for these limited activities.
- Is the site covered by a consent order of the department, council, or by any court and entered into with the consent of the person or entity? ANSWER: No, the Site is not under a local, state, or federal consent order.
- Are there any radioactive waste storage facilities at this site? ANSWER: No, there is no information available that indicates that a radioactive storage facility exists at the Site.
- Has the site, or any part thereof, been investigated for listing on the Superfund National Priorities List (NPL)? ANSWER: No, a review of the Superfund NPL indicates that the Site is not and has never has been listed.
- Is or was the site, or any part thereof, the subject of an enforcement action under the Wyoming EQA? ANSWER: No, the Site has not been subject to any enforcement actions under the EQA.
- Is or was the site, or any part thereof, regulated under the Leaking Above and Underground Storage Tank (LAUST) Program, Abandoned Mine Land (AML) Program, or any other Federal or State environmental law or statute? ANSWER: No, there are no registered tanks at the Site so it is not regulated under the WDEQ LAUST Program. Per concurrence with the AML Program Manager (personal communication with Bill Locke), the Site has not been regulated under the AML Program, although AML has conducted minimal activities at the Acme Mine. The Site has also not been regulated under any other Federal or State laws or statutes.
- Are there commercial solid waste management facilities, waste incinerators, or disposal facilities on the site? ANSWER: No, based on Site observations and records there are no waste management, incinerators, or disposal facilities at the Site.

Based on the above evaluation of eligibility criteria, the Site is eligible to participate in the WDEQ VRP. The Volunteer (i.e., applicant) does not need to own the Site property; however, property ownership information, including right-of-access, must be included in the VRP Application. Additionally, if future cleanup of the Site is required under a

site-specific Remedy Agreement, then the property owner must sign the Remedy Agreement, which is filed with the deed for the land. Therefore, all of the potential applicants listed above would be eligible Volunteers to enter the Site into the VRP. To meet the pollution prevention requirements for entry into the VPR, the applicant would need to either meet the definition of an innocent owner as defined in W.S. 35-11-1801, or show that the release occurred before January 1, 2011, and be implementing a pollution prevention plan at the time the application is submitted.

To enter the Site into the VRP, the Volunteer must submit a \$550 application fee, effective October 1, 2015. Additionally, the WDEQ charges \$55 per hour for work conducted in association with the Site (e.g., document review/approval, field oversight, etc.). If the Site receives WDEQ BAP assistance, the Volunteer is still responsible for the cost of the VRP staff oversight. For Federal Brownfield grants the funding can be used to pay for WDEQ VRP staff oversight, but not for administrative costs associated with grant oversight. Once the WDEQ determines that the Site is eligible, the Volunteer must complete the public notice requirements including notification to adjacent landowners, publication in a local newspaper for 4 consecutive weeks, and a 30-day public comment period following the last newspaper publication. If there is significant public interest, then the WDEQ Director may require the Volunteer to prepare a Public Participation Plan. After completion of the public comment period, Site characterization activities are conducted to determine the nature and extent of impacts. Once Site Characterization is complete, Site remedies are evaluated using criteria established in § 35-11-1605, the WDEQ and Volunteer agree upon a selected remedy, and a site-specific Remedy Agreement is established. A Covenant Not to Sue can be provided by the WDEQ during cleanup, if requested. When cleanup at the Site meets the requirements contained in the Remedy Agreement, the Volunteer can request a liability assurance from the WDEQ for Site closure.

## **4.2 WDEQ BROWNFIELDS ASSISTANCE PROGRAM**

The WDEQ Brownfields Assistance Program (BAP) was established in 2006 to assist local governments and other eligible entities with the investigation, cleanup, and reuse of brownfield properties. Brownfields assistance is available for Phase I ESAs, Phase II ESAs, and cleanup activities. Eligible properties must meet the USEPA definition of a “brownfield site.” The WDEQ evaluates BAP requests on a continual, case-by-case basis and notifies the applicant of the decision.

The WDEQ will only perform Phase I ESAs for governmental entities on properties that they intend to purchase or assist in the redevelopment. Phase I ESA assistance does not require entry into the VRP. The Application for a Phase I ESA is included in Appendix B. Eligible applicants for Phase II ESAs and cleanup assistance, include: local governments, their associated agencies, and quasi-governmental entities under the control of local governments. Non-profits and private entities may receive Phase II ESA or cleanup assistance if an adequate consideration

determination is made by the WDEQ demonstrating that the public will benefit from the assistance, and the entity receiving assistance will not benefit economically. To receive Phase II ESA and cleanup assistance, the site must be participating in the WDEQ VRP. A Volunteer may request Phase II ESA and cleanup funding by completing the Brownfields Assistance portion (items 34-43) of the VRP Application (Appendix A).

Of the potential applicants listed above, the SCCD and Sheridan County are the only entities eligible to submit an application to the WDEQ for a Phase I ESA. A request for a Phase II ESA or cleanup assistance could be made by any of the applicants listed above; however, for a non-profit or private entity the WDEQ would need to make an adequate consideration determination, as discussed above. Required documentation supporting the adequate consideration request would include an explanation of how the public would benefit and how the applicant would not benefit economically.

### **4.3 USEPA BROWNFIELDS PROGRAM**

The USEPA Brownfields Program was established in 2002 with the passing of the Small Business Liability Relief and Brownfields Revitalization Act. Key provisions of the Act include increased assessment and cleanup funding (i.e., up to \$250 million/year), modification of the CERCLA to provide environmental liability protections, and protection from federal Superfund enforcement for sites in state cleanup programs. The Act authorized the USEPA to provide funding under the new Section 104(k) of CERCLA.

Eligibility for assistance from the USEPA Brownfields Program is dependent upon the type of funding that is being requested; however, a site is only eligible if it meets the USEPA definition of a brownfields site. Some properties are excluded from the definition of a brownfields unless the USEPA makes a site-specific determination that funding can be used at the site. USEPA Brownfields assistance applicable to the former Acme Power Plant Site includes targeted brownfields assessments (TBAs), assessment grants, and cleanup grants. Eligible entities for all grant types, include: State, local and tribal governments with the exception of certain Indian tribes in Alaska; general purpose units of local government; land clearance authorities or other quasi-governmental entities; regional council or redevelopment agencies; and states or legislatures. Additionally, non-profits can apply for TBAs and cleanup grants.

All of the potential applicants listed above could submit an application for a TBA or cleanup grant, with the exception of the private entity. Only the SCCD and Sheridan County could submit an application for an Assessment Grant. Details on the different grant types is provided in Section 5.0.

## **5.0 ASSESSMENT AND CLEANUP FUNDING OPPORTUNITIES**

There are limited funding opportunities available to address the assessment and cleanup of contaminated sites. Government funding applicable to the Site is essentially limited to the USEPA Brownfields Program and the Wyoming BAP. The entities evaluated as applicants for funding opportunities listed below includes the SCCD (local government), the Sheridan Community Land Trust (non-profit), The Nature Conservancy (non-profit), Sheridan County (local government), and the Padlock Ranch (private). Table 5-1 includes a summary of the potential funding sources.

### **5.1 USEPA BROWNFIELDS PROGRAM FUNDING**

The 2002 Brownfields Amendments authorized funding for assessment and cleanup of brownfield sites to \$250 million per year. In addition to direct brownfields funding, USEPA also provides technical information on brownfields finance matters. Brownfields grants applicable to the Site include Targeted Brownfields Assessments, and competitive Assessment and Cleanup Grants under CERCLA § 104(k). The USEPA Brownfields Program is an assistance program, not a regulatory program. Therefore, the USEPA Brownfields Program does not have regulatory requirements dictating how site assessment and cleanup must be carried out. Rather the USEPA relies on state input to ensure assessment and cleanup activities meet the states voluntary cleanup/remediation program requirements so that a liability assurance can be issued with site closure, as applicable.

#### **5.1.1 TARGETED BROWNFIELDS ASSESSMENT PROGRAM**

The Targeted Brownfields Assessment (TBA) program is a non-competitive assistance program in which the USEPA provides contractor support to conduct Phase I and Phase II ESAs. The program is managed out of the regional offices, and Wyoming is located in USEPA Region 8. On September 9, 2015, the Region 8 Brownfields Program Manager indicated that there is TBA funding available and that it is a good time to apply (Rothenmeyer 2015). To be eligible for TBA assistance, the applicant must be an eligible entity; did not cause or contribute to the contamination; does not have a connection to the entity that caused or contributed to the contamination; can show public interest in the site; and, can provide site access (Rothenmeyer 2015). Although not preferable, the USEPA has conducted several Phase I ESAs where site access was denied by making site observations at the property line. Additionally, the intent of a non-profit or government entity to potentially purchase a brownfields site would show public interest.

Appendix C includes the Region 8 TBA application, which are accepted on a continual basis. The TBA ranking criteria form and a TBA Fact Sheet are also included in Appendix C. If the applicant is awarded TBA assistance, the

timing of the assessment activities is dependent upon site complexity, the needs of the applicant (e.g., property transfers needing an AAI report), and the level of assistance awarded. The applicant can request a Phase I ESA, Phase II ESA, or both. If awarded, a USEPA preselected contractor will conduct the assessment activities and prepare the report(s). The TBA activities would be fully funded by the USEPA, and there is no match required by the applicant.

Any of the potential applicants could submit a TBA application with the exception of the private entity. Based on the current Site understanding and the potential applicant's connection to the property, it appears that the Site is eligible for TBA assistance. A USEPA TBA is a good option for the Site since there is currently funding available, the USEPA has indicated that this would be a good project for them to work on since they are already working on a brownfields site in Sheridan, and both the Phase I and II would be completed in one effort. Additionally, the Site would not need to be enrolled in the WDEQ VRP for the USEPA to conduct the Phase I and II ESA. The only con to a TBA is that the USEPA is overseeing the work, and there would need to be coordination with the WDEQ VRP to ensure that adequate site characterization is completed.

### **5.1.2 USEPA BROWNFIELDS ASSESSMENT GRANTS**

USEPA Brownfields Assessment Grants are competitive grants that provide funding for assessing sites, planning for cleanup and redevelopment, and conducting community involvement activities. The applicant can apply for either a community-wide or site-specific grant. For site-specific grants, the applicant can request up to \$200,000 to assess the Site, with the option to request a waiver for up to \$350,000. The grant must specify if the site is potentially contaminated with petroleum or hazardous substances. Grant application guidelines and forms typically are released annually by the USEPA in September or October with an application submittal deadline of approximately three months from the date of the release of guidelines/forms. Grant applicants compete on a national level, not just within the specific USEPA region. Grant applicant selections are typically announced in spring of the following year, with the grant becoming effective on the first day of the next federal fiscal year or October 1. If awarded, the assessment activities would be fully funded by the USEPA, and there is no match required by the applicant. The grantee is responsible for conducting the assessment and reporting activities, and they typically hire an environmental consulting firm to assist with those activities. Assessment grants have a three-year time period to conduct the assessment and reporting activities, during which there are activity and budget reporting activities required. Appendix D includes a fact sheet on USEPA Brownfields Assessment Grants.

Of the potential applicants for the Site, only the local governments (i.e., SCCD and Sheridan County) are eligible to submit an application for a USEPA Brownfields Assessment Grant. Based on current Site understanding and the potential entities connection to the property, it appears that the Site would be eligible. The assessment grant application

is a lengthy application that requires considerable time and resources to adequately complete. Unless the potential applicants have a grant writer on staff, they would likely need to obtain technical assistance in the preparation of the grant application. Consulting firms provide this service, typically for a fee. Additionally, there are several non-profit organizations that provide brownfields technical assistance, although it usually does not include grant preparation. The USEPA awarded a grant to Kansas State University to provide communities within USEPA Regions 5, 6, 7, and 8 with technical assistance to brownfields (TAB). The goal of the TAB program is to increase community's understanding of brownfields and to move sites through the assessment, cleanup, and reuse process. The Kansas State University TAB Program can review draft grant applications and assist with site redevelopment visioning and community outreach.

This is a feasible option for the Site and if awarded, the applicant would hire a contractor to oversee the assessment activities, which gives the applicant more control of the process and budget. Additionally, the grant could be used to pay for VRP staff oversight, if enrolled in the program. The cons for the Site is that it is a competitive grant program on a national level; the application process is time consuming and requires technical writing skills; and, if awarded, the applicant would need to provide resources for administrative oversight of the grant.

### **5.1.3 USEPA BROWNFIELDS CLEANUP GRANTS**

USEPA Brownfields Cleanup Grants are competitive grants that provide funding for cleanup activities at brownfields sites where, at a minimum, a draft Phase II ESA has been completed. Additionally, the grant applicant must own the site property to apply for a cleanup grant. The funds may be used to address sites contaminated by petroleum and/or hazardous substances or co-mingled contaminants. Funding of up to \$200,000 per site is available; however, cleanup grants require a 20 percent cost share by the applicant. The cost share may be in the form of a contribution of money, labor, material, or services, and must be for eligible and allowable costs. Grant application guidelines and forms are typically released by the USEPA in September or October, with an application submittal deadline of approximately three months from the date of the release of guidelines/forms. Grant applicants compete on a national level, not just within the specific USEPA region. Grant applicant selections are typically announced in spring of the following year with the grant becoming effective on the first day of the next federal fiscal year, or October 1.

The grantee is responsible for conducting the cleanup and reporting activities, and they typically hire an environmental consulting firm to assist with those activities. Cleanup grants have a three-year time period to conduct the cleanup and reporting activities, during which there are activity and budget reporting activities required. Appendix D includes a fact sheet on USEPA Brownfields Cleanup Grants.

All of the potential applicants for the Site are eligible to submit a USEPA Brownfields Cleanup Grant Application, with the exception of the private entity. However, the applicant must own the Site property. Based on the current Site understanding and the potential applicant's connection to the property, it appears that the Site would be eligible. The cleanup grant application, similar to the assessment grant, is a lengthy application that requires considerable time and resources to adequately complete. Unless the potential applicants have a grant writer on staff, they would likely need to obtain technical assistance in the preparation of the grant application. Consulting firms provide this service, typically for a fee. Additionally, there are several non-profit organizations that provide brownfields technical assistance, although it usually does not include grant preparation. The USEPA awarded a grant to Kansas State University to provide communities within USEPA Regions 5, 6, 7, and 8 with technical assistance to brownfields (TAB). The goal of the TAB program is to increase community's understanding of brownfields and to move sites through the assessment, cleanup, and reuse process. The Kansas State University TAB Program can review draft grant applications and site data, and assist with site redevelopment visioning and community outreach.

This is a feasible option for the Site and if awarded, the applicant would hire a contractor to oversee the cleanup activities, which gives the applicant more control of the process and budget. Additionally, the grant could be used to pay for VRP staff oversight, if enrolled in the program. The cons for the Site is that it is a competitive grant program on a national level; the application process is time consuming and requires technical writing skills; and, if awarded, the applicant would need to provide resources for administrative oversight of the grant. Additionally, the grant requires a 20% match from the applicant.

## **5.2 WYOMING BROWNFIELDS ASSISTANCE PROGRAM FUNDING**

The WDEQ BAP provides limited assessment and cleanup funding for brownfields sites. Assistance may be available if a site is eligible and funding is available. Funding is provided through Wyoming general legislative funds, which is currently allocated at \$325,000 every two years. The WDEQ BAP focus is on site assessment, although there are situations where the WDEQ can provide assistance with cleanup activities. Site assessment assistance includes both Phase I and Phase II ESAs. The Phase I application is included in Appendix B, and requires that the applicant is a government entity. Sites do not need to be enrolled in the WDEQ VRP to receive Phase I ESA assistance.

To apply for either a Phase II ESA or cleanup assistance, the site must be enrolled in the WDEQ VRP. The VRP application, which includes a section for brownfields assistance, is included in Appendix A. Brownfields assistance applications are accepted by the WDEQ on a continual basis. Once an application is received, the WDEQ will determine if the site is eligible, and if so, will rank the applicant with other applications that are currently being evaluated. Brownfields assistance for eligible sites is dependent upon available funding. As of August 2015, the



WDEQ Brownfields Program Supervisor indicated that there was minimal funding available for Phase I ESAs and no funding available for Phase II ESAs or cleanup until after July 1, 2016 (Meredith 2015). If an applicant is awarded assistance, then the assessment and/or cleanup activities are conducted by the WDEQ using a WDEQ-selected contractor.

The SCCD or Sheridan County (i.e., local governments) are the only potential applicants that could apply for a Phase I ESA. Any of the potential applicants could apply for a Phase II ESA or cleanup assistance; however, the Site would have to be enrolled in the VRP, either previously or at the time of the application. Additionally, if a non-profit or private entity submitted the application, they would need to include supporting documentation for the WDEQ to determine if adequate consideration for public benefit is sufficient to provide assistance.

WDEQ BAP assessment and cleanup assistance is a good option for the Site since the WDEQ would conduct the activities, with minimal oversight from the applicant. Additionally, this would be the most efficient process since the WDEQ VRP would conduct the assessment and cleanup activities in accordance with VRP requirements, which must be met for the WDEQ to issue of a liability assurance (i.e., Site closure). The cons for the Site are that there is limited WDEQ BAP funding available; the applicant would need to pay for VRP staff oversight throughout the duration of the project; and, there is uncertainty that the WDEQ would fund both assessment and cleanup of the Site.

### **5.3 OTHER**

There are other limited opportunities for brownfields funding for site assessment and cleanup activities, most of which are obtained through leveraging of existing funds. Other potential funding sources for the former Acme Power Plant Site include interested non-profits, private foundation donations, fund raising events, and the coal industry. The Site does not meet the federal eligibility requirements for AML funding since it was used for burning coal for electricity, and not for mining and/or processing activities. Site Government funding sources in Wyoming such as the Wyoming Business Council and Wyoming Department of Transportation (WDOT), are typically limited to the planning and redevelopment phases or brick and mortar projects. There are various non-profit brownfields organizations, but they typically only provide technical assistance and not funding.

As an example of leveraging funds for assessment and cleanup activities, the City of Evanston, Wyoming leveraged funds and services for the Railyards and Roundhouse Complex from a USEPA Assessment Pilot Grant (\$400,000); WDEQ BAP assessment and cleanup assistance (\$400,000); private funding; community services; the Wyoming Business Council (\$1.5 million); WDOT (\$1 million); the Annual Renewal Ball Fundraiser (\$1.2 million); Union Pacific Railroad (\$50,000); and Preserve America (\$30,000).

## 6.0 PARTNERSHIP OPPORTUNITIES

### 6.1 ENTITIES CONSIDERED

As discussed above, primary potential partners/applicants for the Site include the SCCD (local government), the Sheridan Community Land Trust (non-profit), The Nature Conservancy (non-profit), Sheridan County (local government), and the Padlock Ranch (private). Other potential state government entities include the Wyoming Game and Fish Department (WGFD) and the Wyoming Wildlife & Natural Resource Trust. Additional non-profit organizations include Trout Unlimited, the Wyoming Chapter of the Sierra Club, the Greater Yellowstone Coalition, the Powder River Basin Resource Council, and the Wyoming Wildlife Federation.

Sheridan County is blessed with an active population of private foundations which may be interested in participating in redevelopment of the Acme Power Plant Site. The Peter Kiewit Foundation, in particular, has generously participated in projects in Sheridan County. Additionally, local service organizations such as the Rotary Club and Boy/Girl Scouts of America, may be considered to provide volunteer services for redevelopment type activities (e.g., trail building, landscaping, fishing access, etc.). Table 6-1 provides a summary of potential partnership opportunities.

### 6.2 RECOMMENDED APPROACH

The ability of a government entity to submit WDEQ and USEPA brownfield grant applications provides a strong basis for selecting either the SCCD or Sheridan County to take the lead role for the Site. Because of the SCCD's familiarity with the Site and organizational mission, it may be beneficial for the SCCD to take the lead role in assessment, cleanup, and redevelopment of the Site, and either SCCD or Sheridan County to purchase the Site. To strengthen grant applications and other funding opportunities, a formal Acme Power Plant Site Redevelopment Alliance may be formed to guide Site decisions, provide consistency and momentum for the process, and assist in leveraging additional funding and partnership opportunities. The Alliance would be an expansion of the Exploratory Committee that may include the primary partners as the decision making body, and other stakeholders to provide Site input. The purpose of forming the Alliance is to demonstrate on funding applications the commitment of the partners and to document public involvement, which is typically a requirement of governmental funding. Appropriate timing for bringing other entities into the process would be once the Phase I ESA or combined Phase I/II ESA grant application has been awarded for the Site, since the grant would ensure Site eligibility and resources necessary to conduct initial assessment activities.

## 7.0 ALTERNATIVE PATHS FORWARD

The following subsections provide two alternative approaches for moving the Site through the assessment and cleanup process. These alternatives are subject to Site eligibility determinations and funding availability. Because of the potential uncertainty in funding, these alternatives could be sidetracked, and the proposed approach and timeline considerably altered. Project approaches and goals will need to be continually reviewed and updated as work progresses.

### 7.1 ALTERNATIVE 1

#### 7.1.1 PROPOSED PROCESS

The proposed process for Alternative 1 is for the SCCD to submit a TBA grant application to the USEPA Region 8 for a Phase I and II ESA for the Site. Applying for both the Phase I and II ESA at the same time will be more efficient in regards to grant submittal, securing Site access, and mobilization to conduct Site assessment activities. Additionally, because the USEPA currently has funding available, it would secure funding through the Phase II process. Prior to submitting the grant application, the Acme Site Redevelopment Alliance could be formalized to assist in strengthening the application. Site access would also need to be granted prior to submitting the grant application. Additionally, a preliminary purchase strategy and redevelopment plan would need to be established by the Alliance to include in the application, although it is understood that these preliminary plans may change as the Site progresses through the assessment process.

Once the Phase II ESA has been completed, evaluation of the data will assist in determining if there are environmental impacts at the Site that exceed the WDEQ VRP cleanup levels (WDEQ 2014). If impacts exceed cleanup levels, then Site cleanup will be required, and the next step in the process would be to enter the Site into the WDEQ VRP and request WDEQ BAP cleanup assistance. It is recommended that prior to submitting a VRP and cleanup assistance application that the Site is purchased by a governmental entity. The prospective purchaser would have Site liability protection for environmental conditions as a BFPP, since the Phase I ESA would meet the requirements of AAI. This would eliminate the need for the State to make an adequate consideration for public benefit determination. If the WDEQ BAP does not have cleanup funding available or denies the request, then a USEPA Brownfields Cleanup Grant application should be submitted, which requires the applicant to own the property.

If environmental impacts at the Site do not exceed the applicable soil, groundwater, and surface water cleanup levels, there may still be recognized environmental conditions (RECs) such as asbestos containing material (ACM) and lead based paint in buildings and containerized wastes. If this is the case, it is recommended that the Site still enter the

WDEQ VRP so that a liability assurance can be issued after cleanup is complete. In the unanticipated event that there are no impacts above VRP cleanup levels and no other waste management issues, including ACM and lead-based paint, then cleanup of the Site is not required. The Site could still enter into the WDEQ VRP to obtain a liability assurance; however, it would not be required and entry into the program does have costs and public notice requirements.

Figure 7-1 is a flow chart that shows the proposed Alternative 1 Site process.

### **7.1.2 TIMELINE**

The recommended timeline for Alternative 1 is to submit the TBA application by the end of 2015, at the latest, so that the assessment activities could be completed in either late 2015 or spring 2016. Purchase of the property is recommended after completion of the Phase I ESA (i.e., AIA) for reasons discussed above. If cleanup is required, then submittal of the WDEQ VRP and BAP cleanup assistance application should be submitted as soon as possible after the Site assessment report is completed, assuming late spring 2016. If the WDEQ BAP provides cleanup assistance, then those funds would be available July 1, 2016. If the WDEQ denies BAP cleanup assistance, then an application for USEPA Cleanup Assistance should be prepared when the guidelines and application for fiscal year (FY) 2017 are released in fall 2016. If awarded federal brownfields cleanup assistance, then the cleanup funding would be available on October 1, 2017.

### **7.1.3 ADVANTAGES AND DISADVANTAGES**

The advantages to this approach are that the USEPA currently has TBA funding available and the Site would be eligible for funding based on the current Site understanding. This program provides full funding of the work, so no cash match is required for the work to proceed. Additionally, the USEPA would conduct all of the assessment activities using a pre-selected contractor, so there would be minimal technical resources required by the Alliance. Finally, purchase of the Site by a government entity would enable the property owner to apply for state and federal cleanup assistance, if needed.

One disadvantage to this approach is that the USEPA contractors are not intimately familiar with WDEQ VRP site characterization requirements, and the site investigation and report may not meet the WDEQ VRP requirements. This would potentially result in another phase of field investigation and reporting which would extend the proposed timeframe by another 4 to 8 months. To avoid this situation, the USEPA Phase II ESA Work Plan should be reviewed by the WDEQ VRP prior to implementation. Another disadvantage to this alternative would be if the Site was purchased by the SCCD or Sheridan County and the cleanup costs end up being greater than the funding available. This would present a situation where the government entity owned the Site, and redevelopment for public benefit would be delayed until funding could be secured.

## 7.2 ALTERNATIVE 2

### 7.2.1 PROPOSED PROCESS

The proposed process for Alternative 2 is for the SCCD to submit a Phase I ESA grant application for the Site to the WDEQ BAP. A preliminary purchase strategy and redevelopment plan would need to be included in the application, although it is understood that these preliminary plans may change as the Site progresses through the regulatory process. If awarded, the Phase I ESA would be completed by the WDEQ's contractor and meet the requirements of AAI to provide liability protection for prospective purchasers. There are no cost share/match requirements for the WDEQ BAP to conduct assessment or cleanup activities; however, the applicant is required to pay the VRP application and staff oversight costs, once the Site is enrolled in the VRP. The next step would be for either the SCCD or Sheridan County to purchase the property as a BFPP. Once the property is purchased, then an application for enrollment into the VRP and brownfields assistance (i.e., Phase II) would be submitted to the WDEQ. Prior to submitting the application, the Acme Site Redevelopment Alliance should be formalized to assist in strengthening the application. If the WDEQ approves the application, then the Phase II ESA funds will not be available from the WDEQ BAP until July 1, 2016.

Once the Phase II ESA is completed, the data would be evaluated to determine if there are environmental impacts at the Site that exceed applicable cleanup levels for soil, groundwater, and surface water. If impacts exceed cleanup levels then Site cleanup will be required and cleanup assistance should be requested through either the WDEQ BAP or the USEPA Brownfields Program, depending upon timing and funding available. The WDEQ BAP should be contacted to determine if there is available cleanup funding, and if so submit a request for cleanup assistance. If there is not available funding in the foreseeable future, then an application for a USEPA Brownfields Program cleanup grant should be submitted. The WDEQ VRP may be able to provide technical assistance in preparation of the USEPA cleanup grant application.

Site cleanup would be conducted to meet WDEQ VRP cleanup levels so that a liability assurance (e.g., Certificate of Completion, No Further Action) could be issued by the WDEQ. The USEPA does not provide brownfields site closure letters. In the unanticipated event that there are no impacts above VRP cleanup levels and there are no other waste management issues including ACM and lead-based paint, then cleanup of the Site is not required. However, a liability assurance should still be requested for the Site since it is enrolled in the WDEQ VRP. Figure 7-2 is a flow chart that shows the proposed Alternative 2 Site process.

### 7.2.2 TIMELINE

The recommended timeline for Alternative 2 is to submit the Phase I ESA application to the WDEQ by the end of 2015, at the latest, so that the Phase I could be completed in either late 2015 or spring 2016. Purchase of the property is

recommended after completion of the Phase I ESA once AAI is documented. An application for participation into the WDEQ VRP and for brownfields assessment assistance could be submitted as soon as the property is purchased. The VRP and brownfields assistance application should be submitted by spring 2016 in the case other applications are submitted since the WDEQ VRP reviews/approves BAP funding on a continual basis. If the WDEQ provides Phase II assistance, then assessment activities would take place after July 1, 2016 when the funds are available. If the WDEQ denies assessment assistance, then an application for a USEPA TBA Phase II ESA should be submitted as soon as possible. It is assumed that Phase II field activities would be completed under either program in late summer/early fall 2016, with the final report completed by the end of 2016.

Once the Phase II ESA is completed, a request for WDEQ BAP cleanup assistance should be submitted, likely in early 2017. If awarded, cleanup activities could begin in spring 2017. If WDEQ BAP cleanup assistance is denied, then the next opportunity to submit a USEPA Brownfields Cleanup Application would be fall of 2017 with the awards being announced in spring 2018. If awarded a federal cleanup grant, cleanup would not begin until after October 1, 2018. The Phase II ESA timeline could potentially be facilitated so that an application for a federal brownfields cleanup grant could be submitted in fall 2016, although that would require expedited timelines and data/document reviews.

### **7.2.3 ADVANTAGES AND DISADVANTAGES**

The advantages to this approach are that the WDEQ VRP is very familiar with doing assessment work in Wyoming, and they understand what data needs to be collected to meet the requirements for site characterization under the VRP. Having the WDEQ BAP conduct site characterization activities would likely be more efficient and timely than having the work completed under the USEPA TBA Program. Additionally, the WDEQ would conduct the assessment and cleanup activities using a WDEQ selected contractor, so there would be minimal resources required by the Alliance. However, the Volunteer must pay the VRP application fee and VRP staff time, which is estimated to cost between \$7,500 and \$10,000. Finally, purchase of the Site by a government entity would enable the property owner to apply for state and federal cleanup assistance, if needed.

The primary disadvantage to this alternative is that limited WDEQ funding is available. Currently there are minimal funds available for the WDEQ BAP to conduct Phase I ESAs due to the recent increase in requests. Also, if the WDEQ does not have adequate funding at the time of submittal of the Phase I ESA application, then submittal of a TBA application to the USEPA would be delayed, potentially risking depleted federal funding. Also, there is currently no WDEQ BAP funding available for Phase IIs and cleanup assistance. The proposed budget submitted to the USEPA, who funds some of the WDEQ BAP, includes \$325,000 for the next budget cycle. Depending on the number of sites

requesting funding, this is a minimal amount of funding to complete assessment/cleanup activities. Another disadvantage to this approach is that the anticipated timeline to reach Site closure is longer than Alternative 1.

### **7.3 RECOMMENDED APPROACH**

Based on the evaluation of advantages and disadvantages listed above, the recommended approach is Alternative 1. However, there are several variations of Alternative 1 where the results would also likely be successful at moving the Site through assessment and cleanup activities. Regardless of which approach is selected, an application for, at a minimum, a Phase I ESA should be submitted to either the WDEQ BAP or USEPA TBA Program, so that RECs can be documented and a prospective purchaser would have liability protection as a BFPP.

## 8.0 REFERENCES

Meredith, Vickie. 2015. Personal communication, WDEQ Brownfields Assistance Program Supervisor. August 28.

Rothenmeyer, William. 2015. Personal communication, USEPA Region 8 Brownfields Project Manager.  
September 9.

Wyoming Department of Environmental Quality (WDEQ). 2014. VRP Fact Sheet 12: Soil Cleanup Levels (Table - December 2014). December 2 (R7). Available at: <http://deq.wyoming.gov/shwd/voluntary-remediation-program/resources/fact-sheets/>.

## TABLES

**TABLE 5-1. POTENTIAL FUNDING SOURCES  
FORMER ACME POWER PLANT  
SHERIDAN COUNTY, WYOMING**

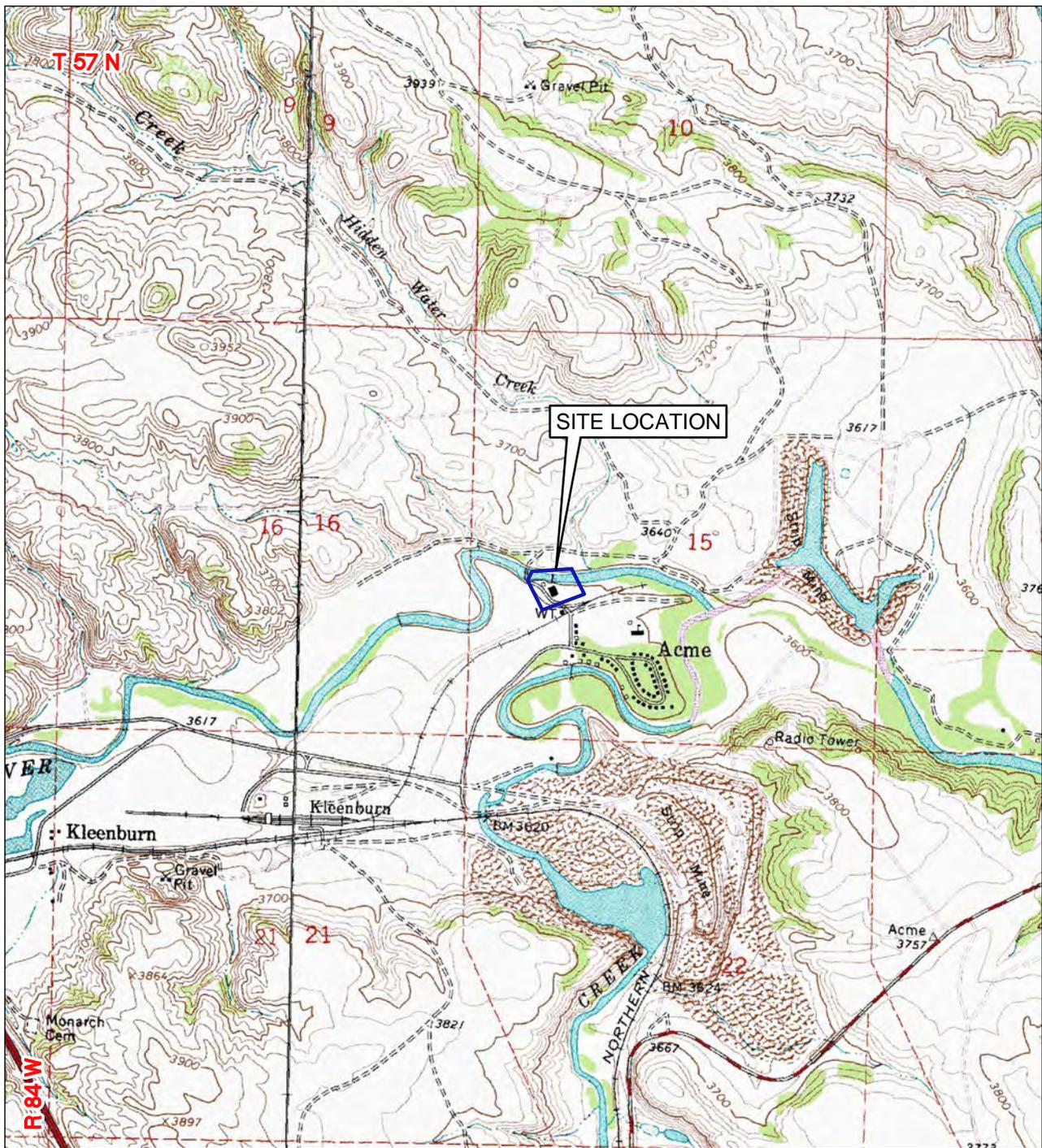
FUNDING SOURCE	ACTIVITIES COVERED	ELIGIBLE APPLICANTS	FUNDING APPLICATION PERIOD	FUNDING AWARD PERIOD	COMPETITIVE/NON-COMPETITIVE	FUNDING AMOUNT	MATCH/COST SHARE REQUIREMENTS	PRO'S FOR SITE	CON'S FOR SITE
USEPA Targeted Brownfields Assessment Program	Phase I & II ESA	State, local and tribal governments with the exception of certain Indian tribes in Alaska; general purpose units of local government, land clearance authorities, or other quasi-governmental entities; regional council or redevelopment agencies; or states or legislatures; or non-profits	On an ongoing basis through the Regional USEPA Offices (Region 8)	Upon USEPA's review, typically within weeks to a few months	Non-competitive but USEPA evaluates on first-come basis	No set amount	None	Currently funding available (Fall 2015); USEPA is working on another brownfields site in Sheridan; potential for Phase I and II through same application and process; does not require entry into WDEQ VRP.	Need to coordinate Phase II activities with WDEQ VRP to ensure assessment meets VRP requirements. WDEQ VRP may ask that Site be enrolled in VRP to assist.
USEPA Assessment Grant	Phase I & II ESA	State, local and tribal governments with the exception of certain Indian tribes in Alaska; general purpose units of local government, land clearance authorities, or other quasi-governmental entities; regional council or redevelopment agencies; or states or legislatures	Application and guidelines released by USEPA annually in September/October, with an approximate three month deadline for submitting	Spring of the following year from application submittal	Competitive	Up to \$200,000 per site with waiver for up to \$350,000	None	Applicant hires contractor and has control of assessment activities and budget. Funds can be used to pay for VRP staff oversight time.	A nationally competitive grant that requires resources to prepare lengthy application.
USEPA Cleanup Grant	Cleanup	State, local and tribal governments with the exception of certain Indian tribes in Alaska; general purpose units of local government, land clearance authorities, or other quasi-governmental entities; regional council or redevelopment agencies; or states or legislatures; or non-profits	Application and guidelines released by USEPA annually in September/October, with an approximate three month deadline for submitting	Spring of the following year from application submittal	Competitive	Up to \$200,000 per site	20% cost share (money, labor, materials, or services) for eligible and allowable costs	Applicant hires contractor and has control of assessment activities and budget. Funds can be used to pay for VRP staff oversight time.	A nationally competitive grant that requires resources to prepare lengthy application. Requires a 20% match.
WDEQ BAP	Phase I & II ESA; Cleanup	Local governments, their associated agencies, and quasi-governmental entities under the control of local governments. Non-profits and private entities may receive assistance if the WDEQ makes an adequate consideration determination.	On an ongoing, first come basis	Upon WDEQ's review, typically within weeks to a few months	Non-competitive, but WDEQ evaluates on first-come basis	No set amount; WDEQ BAP receives \$325,000 (State legislative funds) every 2 years to conduct brownfields assessment and cleanups	None, but entry into WDEQ VRP is required for Phase II and cleanup assistance (i.e., application fee and hourly staff oversight)	WDEQ conducts activities with minimal oversight by applicant. Efficient process since WDEQ is primary regulatory agency.	Limited funding based on amount provided by Wyoming general legislative funds during 2 year budget cycles. Uncertainty that WDEQ would provide both assessment and cleanup assistance. Volunteer must pay for VRP staff oversight for duration of the project.

Notes:  
 USEPA - United States Environmental Protection Agency  
 TBA - Targeted Brownfields Assessment  
 WDEQ - Wyoming Department of Environmental Quality  
 BAP - Brownfields Assistance Program

**TABLE 6-1. POTENTIAL PARTNERSHIP OPPORTUNITIES  
FORMER ACME POWER PLANT  
SHERIDAN COUNTY, WYOMING**

<b>POTENTIAL PARTNERS</b>	<b>ENTITY</b>	<b>PRIMARY/SECONDARY</b>	<b>POTENTIAL PURCHASER</b>
Sheridan County Conservation District (SCCD)	Local Government	Primary	Yes
Sheridan County, Wyoming	Local Government	Primary	Yes
The Sheridan Community Land Trust (SCLT)	Non-profit	Primary	No
The Nature Conservancy (TNC)	Non-profit	Primary	No
Padlock Ranch	Private	Primary	No
Trout Unlimited	Non-profit	Secondary	No
Wyoming Game and Fish Department	State Government	Secondary	No
Wyoming Wildlife & Natural Resource Trust	State Government	Secondary	No
The Peter Kiewit Foundation	Private	Secondary	No
Sierra Club, Wyoming Chapter	Non-profit	Secondary	No
Greater Yellowstone Coalition	Non-profit	Secondary	No
Powder River Basin Resource Council	Non-profit	Secondary	No
Wyoming Wildlife Federation	Non-profit	Secondary	No
Rotary Club	Service Organization	Secondary	No
Boy/Girl Scouts of America	Service Organization	Secondary	No

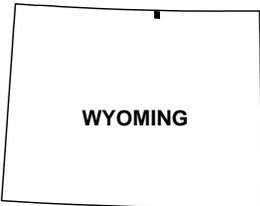
## FIGURES



Base map: U.S. Geological Survey, 1:24,000-Scale 7.5 Minute Digital Raster Graphic Quadrangle, Sheridan, Publication: 2001

**NOTE:**

**SITE LEGAL DESCRIPTION - TOWNSHIP 57 NORTH,  
RANGE 84 WEST, SECTION 15**



WYOMING

**QUADRANGLE LOCATION**

**Trihydro**  
CORPORATION  
1252 Commerce Drive  
Laramie, Wyoming 82070  
www.trihydro.com  
(P) 307/745.7474 (F) 307/745.7729

**FIGURE 1-1**

**SITE LOCATION MAP**

**FORMER ACME POWER PLANT  
SHERIDAN COUNTY, WYOMING**

Drawn By: CG | Checked By: KB | Scale: 1" = 2,000' | Date: 10/14/2015 | File: 38F-SITELOCMAP



Image Citation: USDA, National Agricultural Imagery Program (NAIP), Sheridan County, Publication: 2012

\\TRIHYRO.COM\CLIENTS\STOV\SHERIDAN\CONSERV\DIST\CADD\FM\ACMEPOWERPLANT\COREFILES\_BASEMAPS\38F-SITEVICMAP

**EXPLANATION**

--- APPROXIMATE PROPERTY BOUNDARY  
(5.8 ACRES)



0 250'

**Trihydro**  
CORPORATION  
1252 Commerce Drive  
Laramie, Wyoming 82070  
www.trihydro.com  
(P) 307.745.7474 (F) 307.745.7729

**FIGURE 2-1**

**SITE VICINITY MAP**

**FORMER ACME POWER PLANT  
SHERIDAN COUNTY, WYOMING**

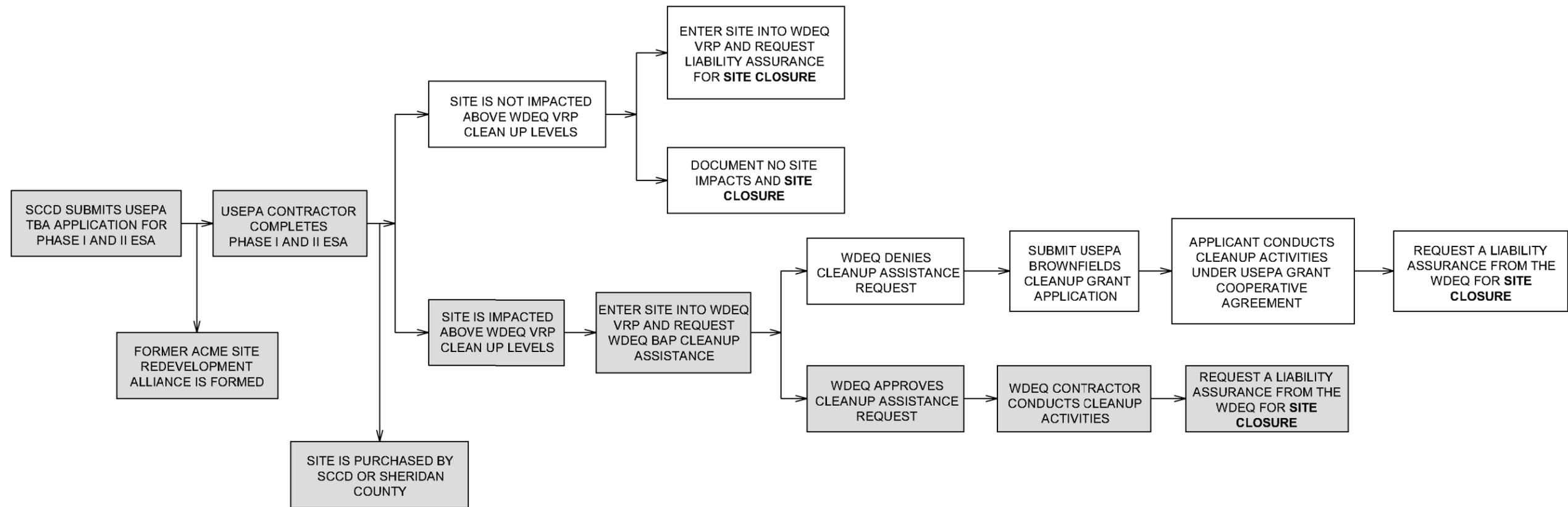
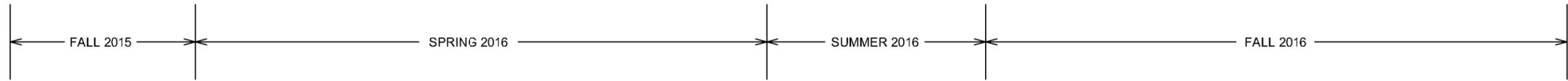
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Checked By: KB

Scale: 1" = 250'

Date: 9/21/2015

File: 38F-SITEVICMAP

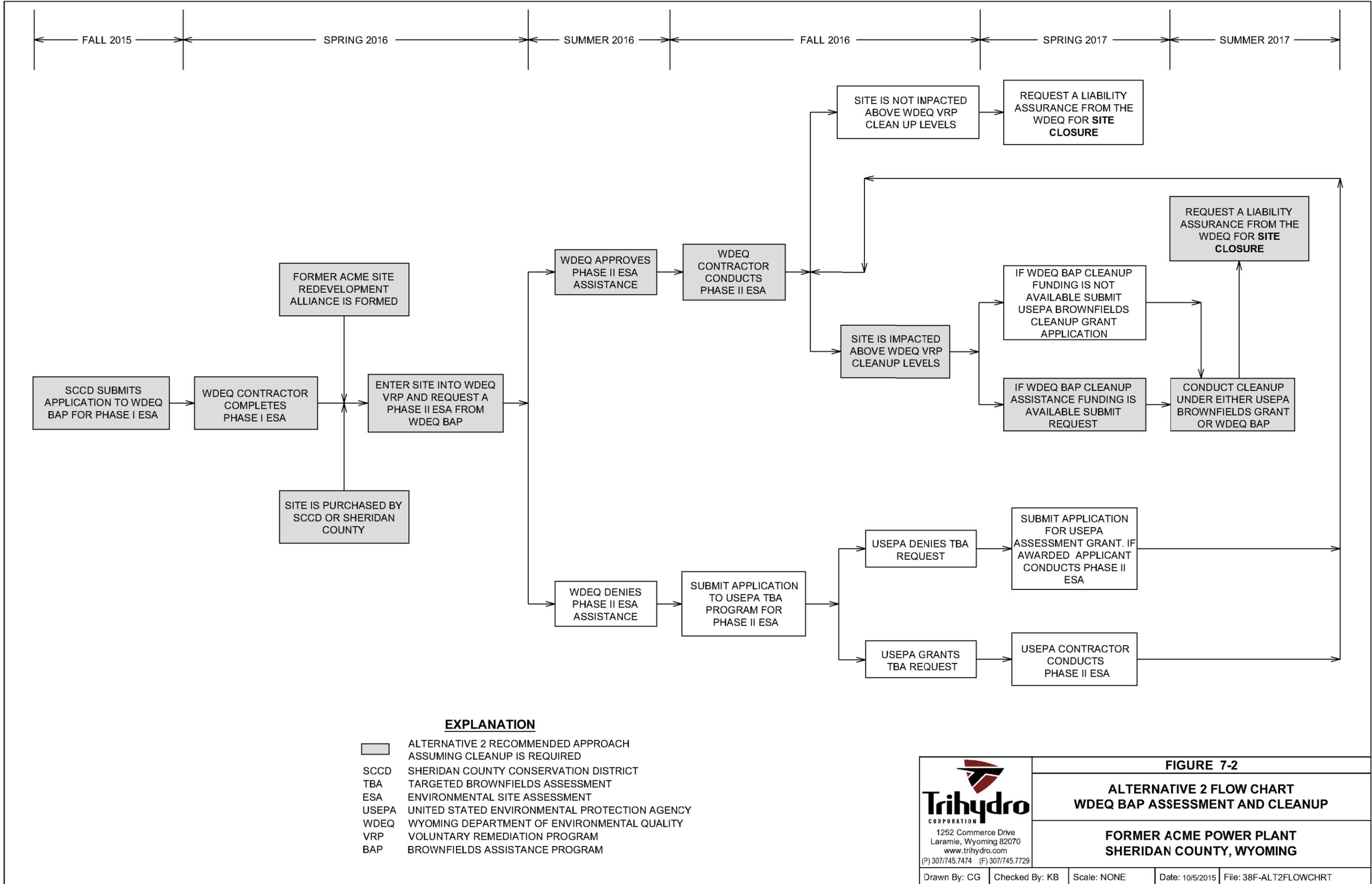


**EXPLANATION**

- ALTERNATIVE 1 RECOMMENDED APPROACH ASSUMING CLEANUP IS REQUIRED
- SCCD SHERIDAN COUNTY CONSERVATION DISTRICT
- TBA TARGETED BROWNFIELDS ASSESSMENT
- ESA ENVIRONMENTAL SITE ASSESSMENT
- USEPA UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
- WDEQ WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
- VRP VOLUNTARY REMEDIATION PROGRAM
- BAP BROWNFIELDS ASSISTANCE PROGRAM



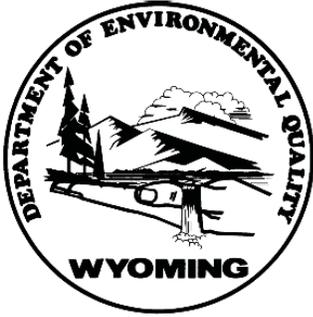
**FIGURE 7-1**  
**ALTERNATIVE 1 FLOW CHART**  
**USEPA TBA AND WDEQ BAP CLEANUP**  
**FORMER ACME POWER PLANT**  
**SHERIDAN COUNTY, WYOMING**



**FIGURE 7-2**  
**ALTERNATIVE 2 FLOW CHART**  
**WDEQ BAP ASSESSMENT AND CLEANUP**  
**FORMER ACME POWER PLANT**  
**SHERIDAN COUNTY, WYOMING**

**APPENDIX A**

**WDEQ VOLUNTARY REMEDIATION PROGRAM APPLICATION**



# Voluntary Remediation Program (VRP) Application

*The information provided in this application will be used to determine the eligibility of the Volunteer and the property for the Wyoming Department of Environmental Quality's (DEQ) Voluntary Remediation Program, as provided for under Articles 16, 17, and 18 of the Wyoming Environmental Quality Act.*

Every Volunteer must completely answer Questions 1-31 and provide all enclosures. Volunteers interested in the Independent Cleanup Process within the Voluntary Remediation Program must answer the additional questions in the Independent Cleanup Process section of the application, and those applicants interested in the Brownfields Assistance Program must also answer questions 34 through 43. In some cases, additional space will be needed. Attach supplemental answers to the application. For questions, please contact Wyoming DEQ at (307) 777-7752.

SITE INFORMATION		
1. Site Name		
2. Site Address		
3. County	4. Size of Site (Acres)	5. Township, Range, Section, Subsection
6a. Latitude (Decimal Degrees)	6b. Longitude (Decimal Degrees)	6c. Lat/Long Reference Point (e.g., center of parcel, source area)
7. Please Describe Any Previous Site Investigation, or Remediation Activities		
8. Please List All Site Environmental Permits, Licenses, or Other Authorizations		

**VRP VOLUNTEER INFORMATION**

9. Volunteer Name

9a. Company Name (If applicable)

10. EIN# (for businesses) or SSN# (for individuals)

11. Address

12. Phone

13. Fax

14. E-Mail

**PROPERTY OWNER INFORMATION (Only complete Questions 15-18 if Volunteer is NOT owner)** Yes  No

Does the Volunteer or company identified in question #9 own the property described in questions #1-8?

If yes, please proceed to question #19

If no, please proceed to question #15

15. Property Owner Name (If the property has more than one owner, please provide appropriate information for all owners)

16. Property Owner Address and phone number

17. Volunteer's Relationship to Owner

18. Detail Volunteer's Right-of-Access To Site

**ELIGIBILITY CRITERIA** Yes  No  Unknown

19. Do current site conditions constitute an imminent and substantial threat to public health or the environment?

 Yes  No  Unknown

20. Is the release from a permitted waste management or disposal unit?

21. When did the contaminant release occur?

Please enter the date or date range: \_\_\_\_\_

 Yes  No22. Did the contamination occur **after** March 10, 2000?If **YES**, skip to #23 below and continue from there.If **NO**, continue with #22a, 22b and 22c then skip to #24 and continue. Yes  No  Unknown

22a. Was the site or a portion of the site where the release occurred subject to the permit requirements of the Environmental Quality Act at the time of the release?

 Yes  No  Unknown

22b. If the answer to Question 22a is YES, is the site or portion of the site subject to the permit requirements still owned and/or operated by the same person who was responsible for having the permit?

If the answer to Question 22b is NO, the current owner and/or operator must demonstrate that s/he had no knowledge of the need for a permit.

 Yes  No  Unknown

22c. Is the site covered by a consent order of the department, council, or by any court and entered into with the consent of the person or entity?

<input type="checkbox"/> Yes <input type="checkbox"/> No	<p>23. Your site's eligibility for the VRP is subject to the Pollution Prevention Plan (P2 Plan) requirements of the program. Have you read the pollution prevention (P2) plan rule, determined which P2 plan you are required to implement, and are you implementing the P2 plan in accordance with the rule?</p> <p>23a. Which type of P2 Plan are you implementing at this site (check one)?</p> <input type="checkbox"/> Written P2 Plan <input type="checkbox"/> Alternative Minimum P2 Operating Standards
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	<p>24. Are there any radioactive waste storage facilities at this site?</p>
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	<p>25. Has the site, or any part thereof, been investigated for listing on the <i>Superfund National Priorities List</i>?</p>
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	<p>26. Is or was the site, or any part thereof, the subject of an enforcement action under the Wyoming Environmental Quality Act (for example, if the release at the site resulted from continuous or repeated violations of any applicable law, rule, regulation, or order)?</p> <p>List type of enforcement action (e.g., NOVs, LOVS, orders, issuing agency, unilateral order, consent order)</p>
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	<p>27. Is or was the site, or any part thereof, regulated under the <i>Leaking Above and Underground Storage Tank Program</i>, <i>Abandoned Mine Land Program</i>, or any other Federal or State environmental law or statute?</p> <p>If YES, and you are still interested in applying to the VRP, please contact DEQ at (307) 777-5617 for further information about eligibility requirements.</p>
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	<p>28. Are there commercial solid waste management facilities, waste incinerators, or disposal facilities on the site?</p>
<p><b>REQUIRED DOCUMENTATION AND ENCLOSURES</b></p>	
<p>Please enclose the following with this signed application:</p>	
<input type="checkbox"/> Yes <input type="checkbox"/> No	<p>29. <b>\$500.00 application fee.</b> Make checks payable to Wyoming Department of Environmental Quality. The application fee is fully refundable if participants are not accepted into the program. Once in the program, the application fee covers the first ten hours of DEQ oversight. Additional hours of oversight are billed at \$50/hr and participants will receive invoices monthly. Participants are not eligible for a partial refund of the application fee if less than ten hours of oversight are needed.</p>
<input type="checkbox"/> Yes <input type="checkbox"/> No	<p>30. A <b>narrative statement</b> that describes all known or suspected contaminant types, and the nature, extent, and cause of all known or suspected contaminant(s).</p>
<input type="checkbox"/> Yes <input type="checkbox"/> No	<p>31. <b>Site Map</b> – Showing the location of your site, the estimated boundaries of the contamination and the names, full mailing addresses, and location of all contiguous and adjacent land owners.</p>

## ADDITIONAL ENCLOSURES AND INSTRUCTIONS

- **Any additional information** to supplement your answers above, for example, additional information on previous remediation activities, such as copies of plans and reports or explanation of extenuating circumstance (e.g., did not own property when site should have had a permit).
- **If applying for the Independent Cleanup Process** please provide answers to the supplemental questions (Questions 32-33) and a required signature.
- **If applying for Brownfields Assistance** from DEQ, please provide answers to the supplemental questions (Questions 34-43)
- If you plan to use a contractor and/or consultant, please include their contact information

## 1. INTENT TO PARTICIPATE

With this application, the Volunteer intends to enter into the Voluntary Remediation Program. However, neither DEQ nor the Volunteer will be bound to proceed unless the Volunteer receives written notice from DEQ that the subject site is eligible for participation in the Voluntary Remediation Program and a remedy agreement is signed. With this application, the Volunteer does not admit or assume liability for investigation or cleanup of the site. The Volunteer may terminate participation in the Voluntary Remediation Program at any time before a Remedy Agreement is signed.

Unless the Volunteer is accepted into the Independent Cleanup Process, upon receiving the notice of eligibility, the Volunteer intends to negotiate, in good faith, a Preliminary Remedy Agreement and a Remedy Agreement to provide technical and regulatory oversight during investigation and cleanup of the site.

### **SIGNATURES**

I certify that I am familiar with the information contained in this application and that to the best of my knowledge and belief, such information is true, complete, and accurate. I also certify that I am fully authorized to execute this agreement on behalf of the parties I represent.

Section 35-11-901 of Wyoming Statutes provides that:

Any person who knowingly makes any false statement, representation, or certification in any application ... shall upon conviction be fined not more than \$10,000 or imprisoned for not more than one year, or both.

Volunteer's Signature	Print Name	Date
-----------------------	------------	------

Please submit **TWO (2)** copies of this completed and signed application, along with the above required documentation and application fee to:

Wyoming Department of Environmental Quality  
Voluntary Remediation Program Application  
Attn: Jerry Breed  
122 West 25<sup>th</sup> Street, Herschler Building 4-W  
Cheyenne, WY 82002

On receipt of your application, DEQ may request additional information to help make an eligibility determination for your site. Once DEQ has received a complete application, they will review the application and give you written notice of their decision about eligibility within 45 days. If you are not accepted into the VRP, your application fee will be refunded in full.

## INDEPENDENT CLEANUP PROCESS (ICP)

(This section is only for Volunteers who want to participate in the Independent Cleanup Process)

32. Please enclose the additional information with this application

- A narrative statement explaining why contamination is believed to be limited to soil.
- A completed Ecological Exclusion Assessment form-Parts 1 through 4 (available in Fact Sheet #14 available at: [http://deq.state.wy.us/volremedi/downloads/Current%20Fact%20Sheets/FS\\_14.pdf](http://deq.state.wy.us/volremedi/downloads/Current%20Fact%20Sheets/FS_14.pdf) )

Yes  No

33. Do you plan to have the cleanup completed within six months from the application date?

**Property Owner's Signature** (Necessary for ICP sites only and if property owner is different than the aforementioned Volunteer. If there are additional owners, please include their signatures and printed names in the spaces provided below.)

Print Name

Date

Additional Property Owner's Signature

Print Name

Date

Additional Property Owner's Signature

Print Name

Date

## BROWNFIELDS ASSISTANCE (BA)

(This section is only for Volunteers that are requesting BA assistance from the DEQ)

34. Type of BA assistance requested (Phase I ESA, Phase II ESA, Evaluation of clean options and costs, limited site cleanup)

35. Describe historical uses of the property (include dates, if known) and any hazardous substances, pollutants or contaminants that are known or suspected to be present.

36. Size of potentially-impacted area (acres), if different than property acreage.

37. Is there any indication that the applicant/Volunteer or the property owner caused or contributed to any contamination on the property?

If YES, explain.

38. Describe the current zoning and use of the property.

39. Describe existing or proposed plans to reuse or redevelop the property and the associated benefit to the public. If the property is privately-owned, include a copy of any written agreements between the property owner and the applicant/Volunteer.

40. Describe committed or proposed resources (e.g., matching funding or in-kind services) and/or financial incentives that will be used to encourage cleanup or redevelopment.

41. Describe existing or proposed efforts to involve the public in site cleanup or redevelopment plans, as well as any known public opposition.

42. Describe why DEQ assistance is crucial to the redevelopment or reuse of the property.

43. Describe any relevant extenuating circumstances (e.g., redevelopment schedule, access limitations, pending actions by other state or federal agencies).

**APPENDIX B**

**APPLICATION FOR PHASE I ENVIRONMENTAL SITE ASSESSMENT**



# Application for Phase I Environmental Site Assessment

<b>Application for Phase I Environmental Site Assessment Assistance</b>
1. Intent to request Phase I Environmental Site Assessment through the Voluntary Remediation Program, and entity making that request:
2. Describe historical uses of the property (include dates, if known) and any hazardous substances, pollutants or contaminants that are known or suspected to be present.
3. Size of potentially-impacted area (acres), if different than property acreage.
4. Is there any indication that the applicant/Volunteer or the property owner caused or contributed to any contamination on the property? If YES, explain.
5. Describe the current zoning and use of the property.
6. Describe existing or proposed plans to reuse or redevelop the property and the associated benefit to the public. If the property is privately-owned, include a copy of any written agreements between the property owner and the applicant/Volunteer.
7. Describe committed or proposed resources (e.g., matching funding or in-kind services) and/or financial incentives that will be used to encourage cleanup or redevelopment.

8. Describe existing or proposed efforts to involve the public in site cleanup or redevelopment plans, as well as any known public opposition.

9. Describe why DEQ assistance is crucial to the redevelopment or reuse of the property.

10. Describe any relevant extenuating circumstances (e.g., redevelopment schedule, access limitations, pending actions by other state or federal agencies).

**APPENDIX C**

**USEPA REGION 8 TARGETED BROWNFIELDS APPLICATION**



# Targeted Brownfields Assessment (TBA) Application

EPA Region 8 accepts applications for environmental assessment assistance at brownfields properties on an ongoing basis. To request Region 8's technical assistance, please complete this application. The information provided will be evaluated to determine if the applicant and site meet the selection criteria for the TBA program. EPA will also evaluate whether funding is available to perform the requested assessment within the desired schedule. Applicants will be contacted promptly after this review. For more information on TBAs, please visit: <http://www.epa.gov/region8/brownfields/tba.html>

## 1. Applicant Information

Applicant Organization	
Contact Person and Title	
Street Address	
City, State ZIP Code	
Phone	
Fax	
E-Mail Address	

## 2. Site Description and History

Site Name	
Address	
Acreage	
Lat/Long Coordinates	
Current Owner's Name	
Current Owner's Address	

- A. Please provide a brief description of the property and the specific assessment(s) you wish to have performed (e.g., Phase I, II and/or cleanup planning):
- B. When you would like the assessment(s) to be conducted? What is the project timeline?
- C. Why would you like the assessment(s) conducted? (TBAs can be used to facilitate property acquisitions, meet EPA grant application requirements, characterize contamination for environmental cleanup, among other reasons.)
- D. Describe the environmental conditions at the site, including potential contaminants and a summary of any known past environmental investigations. Describe the past uses of the site.
- E. Is the applicant the property owner? **(Yes/No)**
- F. If not, does the applicant have legal permission to enter the property to conduct the site assessment activities? **(Yes/No)** Note, applicant will be required to secure access.

- G. Do you know how and when the contamination occurred? **(Yes/No)** If yes, describe. Note, applicants who are responsible for causing contamination are not eligible for assistance under this program.
- H. Describe any state or federal regulatory involvement at the site related to its environmental condition.
- I. Is there an ongoing or planned state or federal enforcement action or order at the site? **(Yes/No)** If yes, please explain.
- a. Is the site on any state or federal environmental lists, such as the National Priorities Lists (NPL) or the Leaking Underground Storage Tanks (LUST) list? **(Yes/No)** If yes, please explain.
  - b. If petroleum contamination is suspected, has the applicant worked with the State or EPA to determine eligibility\*? **(Yes/No/NA)** If yes, please explain.

### 3. Property Reuse and Redevelopment

- A. Describe the anticipated reuse or redevelopment of the property.
- B. Describe any commitments in place to show this brownfields site will be cleaned up and redeveloped or reused. Please indicate potential or secured funding sources for cleanup and redevelopment.
- C. Describe how site reuse/redevelopment will benefit the community (e.g., creation of jobs, greenspace, parks, sustainable/green redevelopment, a catalyst for further redevelopment in the area, etc). Privately owned sites must provide a substantial public benefit.
- D. Will the property be sold or transferred to a different entity? If so, please describe.
- E. Describe the roles of stakeholders in the project, e.g., community organizations, local government involvement, etc.
- F. Describe efforts directed towards involving the community in site reuse planning activities.

### 4. Additional Information

Please email any supporting documentation such as regional and site location maps, photographs, prior site assessment reports and historical environmental information, if available, to the email address provided below.

### 5. Contact Information

To submit your application or for questions, please contact Bill Rothenmeyer, TBA Program Manager:

Email: [rothenmeyer.william@epa.gov](mailto:rothenmeyer.william@epa.gov)

Phone: (303) 312-6045

Fax: (303) 312-6065

\*The Brownfields Law outlines specific criteria by which petroleum sites may be eligible for brownfields funding. Briefly, these criteria are that the site must be of "relatively low risk," there can be no viable responsible party, the applicant cannot be potentially liable for cleaning up the site, and the site must not be subject to a Resource Conservation and Recovery Act (RCRA) corrective action order. If a party is identified as being responsible for the site and that party is financially viable, then the site is not eligible for brownfields grant funds. For more information, visit [www.epa.gov/oswer/docs/grants/epa-oswer-oblr-11-05.pdf](http://www.epa.gov/oswer/docs/grants/epa-oswer-oblr-11-05.pdf)



## Targeted Brownfields Assessment Ranking Criteria Form



**Applicant Name and Organization:** \_\_\_\_\_  
**Site Name and Location:** \_\_\_\_\_  
**Reviewers Name:** \_\_\_\_\_  
**Date of Application:** \_\_\_\_\_  
**Date of Review:** \_\_\_\_\_

Region 8 will use this form to evaluate and prioritize applications for Targeted Brownfields Assessment (TBA) assistance. These criteria will be used to determine where resources should be directed, e.g., selection of sites and prioritization of one site over another in the case of limited resources.

### **Threshold Criteria**

(All threshold criteria must be met for further consideration)

1. This site is a brownfield based on the statutory definition.  
**True False**
  
2. The applicant for did not cause or contribute to the possible contamination of the property.  
**True False**
  
3. Applicant shows there is no state or federal enforcement action or order at the site, and the site is not on any state or federal environmental lists, e.g., National Priority List (NPL) or Leaking Underground Storage Tank (LUST).  
**True False**

### **Ranking Criteria**

Each of the following criteria is ranked on a scale of 1 to 4 (unless otherwise noted), where one is unsatisfactory and four is outstanding. The maximum number of points that can be obtained is 22.

**Rating**      **Criteria**

\_\_\_\_\_      **Site Ownership**

If the site is publically held or held by a non-profit organization, or is in the process of being transferred or donated to a public owner (or to be purchased by a public or non-profit entity) then up to 6 points may be given. If the site is privately owned and will continue to be privately owned, then a maximum of 2 points will be given.

---

**Municipal, Tribal and Community support for reuse and redevelopment**

Applicant has demonstrated that there is a clear municipal, tribal or community support for the project and there are commitments in place that show the site will be cleaned up and redeveloped or reused.

---

**Community benefit**

Applicant demonstrates the site reuse or redevelopment will benefit the community (e.g., creation of jobs, greenspace, low income housing, green/sustainable redevelopment, catalyst for further redevelopment in the area etc.).

---

**Resource commitment for future cleanup or and redevelopment**

Applicant demonstrates that there are available resources, developer interest or a commitment of municipal or tribal funds for cleanup and future redevelopment.

---

**The need of EPA assessment assistance**

Applicant demonstrates that EPA assessment assistance is crucial to the redevelopment or reuse of the site.

Total Points: \_\_\_\_\_

EPA Region 8 decision and date:

Applicant notification of decision date:



# EPA Targeted Brownfields Assessments

## The Basics

The U.S. Environmental Protection Agency's (EPA) Brownfields Program is designed to empower states, communities and other stakeholders to work together in a timely manner to prevent, assess, safely clean up and sustainably reuse brownfields. EPA provides technical and financial assistance for brownfields activities through an approach based on four main goals: protecting human health and the environment, sustaining reuse, promoting partnerships and strengthening the marketplace. Brownfields grants and technical assistance, through Targeted Brownfields Assessments (TBAs), serve as the foundation of the Brownfields Program and support revitalization efforts by funding environmental assessment, cleanup and job training activities. Thousands of properties have been assessed and cleaned up through the Brownfields Program, clearing the way for their reuse.

### What Is a Targeted Brownfields Assessment?

EPA's TBA program is designed to help minimize the uncertainties of contamination often associated with brownfields—especially for those entities without EPA Brownfields Assessment grants. The TBA program is not a grant program, but a service provided through an EPA contract in which EPA directs a contractor to conduct environmental assessment activities to address the requester's needs. Unlike grants, EPA does not provide funding directly to the entity requesting the services. TBA assistance is available through EPA's Regional Brownfields offices.

A TBA may encompass one or more of the following activities:

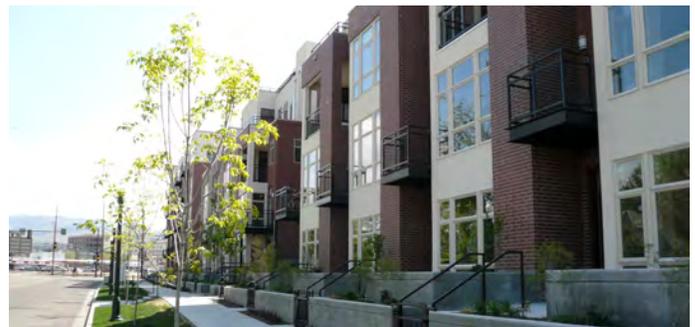
- An "all appropriate inquiries" assessment (Phase I), including a historical investigation and a preliminary site inspection;
- A more in-depth environmental site assessment (Phase II), including sampling activities to identify the types and concentrations of contaminants and the areas to be cleaned; and
- Evaluation of cleanup options and/or cost estimates based on future uses and redevelopment plans.

**A BROWNFIELD** is defined as real property, the expansion, redevelopment or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant or contaminant. The 2002 Brownfields Law further defines the term to include a site that is "contaminated by a controlled substance; contaminated by petroleum or a petroleum product excluded from the definition of 'hazardous substance;' or mine-scarred land."

### Who Is Eligible to Apply for a Targeted Brownfields Assessment?

Eligible entities include state, local and tribal governments; general purpose units of local government, land clearance authorities or other quasi-governmental entities; regional council or redevelopment agencies; states or legislatures; or nonprofit organizations.

TBA assistance may only be used at properties that meet the statutory definition of a brownfield. The TBA program does not provide resources to conduct cleanup or building demolition activities. Cleanup assistance is available under EPA's Cleanup or Revolving Loan Fund (RLF) grants. Information on EPA's Brownfields Cleanup and RLF grants can be found on the EPA Brownfields website at [www.epa.gov/Brownfields](http://www.epa.gov/Brownfields).



Environmental assessments through the TBA Program help to revitalize communities and assist in redevelopment.

## What Properties Are Typically Targeted for TBA Assistance?

The TBA selection process varies slightly in each EPA Region. The Regions have discretion in selecting areas to target for environmental site assessment assistance and typically prefer to target properties that are abandoned or publicly owned, have low to moderate contamination, include environmental justice issues, suffer from the stigma of liability or have a prospective purchaser willing to buy and pay for the cleanup of the property, if needed. The selection process is guided by regional criteria. **Please visit [www.epa.gov/Brownfields](http://www.epa.gov/Brownfields) for more information on your region's criteria and application process.**

## Examples of TBA Successes

*Bellflower, CA* – EPA provided \$65,000 in contractor-led TBA assistance to assess the Café Camillia/Fronk's Restaurant site in downtown Bellflower. From the 1940s to 1970s, the property was the site of a fueling and service station. EPA's Underground Storage Tank (UST) Program provided support for the identification and initial assessment of the site in 2011. In 2012, EPA TBA funds were used for a field investigation to determine if petroleum contamination from three USTs had caused groundwater or soil contamination. Results found contamination levels to be of no impact to the health of future site occupants and next-door residents. The property has been redeveloped, as part of Downtown Bellflower's Revitalization Vision Strategy, and now is home to the new Fronk's Restaurant and mixed-use affordable housing.

*Nashville, TN* – Cumberland Park is an innovative play space for children and families, incorporating unique play structures and water features that create an exciting new attraction along Nashville's riverfront. EPA contractor-led TBA assistance, along with the Army Corps of Engineers and the Tennessee Department of Environment and Conservation (TDEC), assessed the property, which was formerly a saw mill and a bridge/barge manufacturing facility. The assessments identified several areas impacted by polynuclear aromatic, lead and arsenic that required cleanup. TDEC and the Metro Parks and Recreation Department worked cooperatively to develop and implement plans that incorporated a combination of soil removals, engineered caps and institutional controls to address environmental concerns and provide for safe reuse of the property. The Play Park opened in April 2012 and is approximately 6.5 acres, encompassing 900 feet of riverfront. It includes an outdoor amphitheater that can hold approximately 1,200 people for an event.



A fueling and service station, closed in the 1970s, is assessed before being redeveloped into a new restaurant and affordable housing complex in downtown Bellflower.



Nashville's Cumberland Park has become a community hub after redevelopment in 2012.

*Weirton, WV* – EPA provided contractor-led TBA assistance to assess the former RG Steel Plant in Beech Bottom. The 200-acre property has an ideal location, situated between State Route 2 and the Ohio River. As a historic steel manufacturer, site operations raised environmental concerns affecting long-term development options. The site owner, The Business Development Corporation of the Northern Panhandle, requested EPA assistance and EPA performed Phase I and Phase II environmental site assessment activities. The Phase II investigation revealed that groundwater contamination may be present. The site owner is coordinating with its Land Revitalization Specialist and the WV Department of Environmental Protection to determine the best redevelopment options for the site.

## How Can I Apply for TBA Assistance?

If you are interested in receiving TBA assistance, please contact the EPA Brownfields staff in your Region. **You can find current contact information on the EPA Brownfields website at [www.epa.gov/Brownfields](http://www.epa.gov/Brownfields).**

**APPENDIX D**

**USEPA BROWNFIELDS GRANT INFORMATION**



# EPA Brownfields Assessment Grants: Interested in Applying for Funding? *Here's what you need to know to get started...*

## *What is EPA's Brownfields Program?*



Salt Lake City, Utah (before)

The U.S. Environmental Protection Agency's (EPA) Brownfields Program is designed to empower states, communities, and other stakeholders to work together in a timely manner to prevent, assess, safely clean up, and sustainably reuse brownfields. EPA provides technical and financial assistance for brownfields activities through an approach based on four main goals: protecting human health and the environment, sustaining reuse, promoting partnerships, and strengthening the marketplace. Brownfields grants serve as the foundation of the Brownfields Program and support revitalization efforts by funding environmental assessment, cleanup, and job training activities. Thousands of properties have been assessed and cleaned up through the Brownfields Program, clearing the way for their reuse.



Salt Lake City, Utah (after)

A brownfield is defined as: real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. The 2002 Brownfields Law further defines the term to include a site that is: "contaminated by a controlled substance; contaminated by petroleum or a petroleum product excluded from the definition of 'hazardous substance'; or mine-scarred land."

## *What are the Four Grant Types?*

- ✓ **Assessment grants** provide funding for brownfields inventories, planning, environmental assessments, and community outreach.
- ✓ **Revolving Loan Fund grants** provide funding to capitalize a revolving loan fund that provides loans and subgrants to carry out cleanup activities at brownfields.

- ✓ **Cleanup grants** provide direct funding for cleanup activities at specific sites.
- ✓ **Job Training grants** provide environmental training for residents of brownfields communities.

## *What are Assessment Grants?*

Assessment grants provide funding for a grant recipient to:

- ✓ **Inventory Sites:** Compile a listing
- ✓ **Characterize Sites:** Identify past uses
- ✓ **Assess Sites:** Determine existing contamination
- ✓ **Conduct Cleanup and Redevelopment Planning:** Scope and plan process
- ✓ **Conduct Community Involvement:** Inform and engage community

### For a Community-Wide Grant:

- ✓ An applicant may apply for a community-wide assessment grant if a specific site has not been identified or if the assessment will address more than one site within the community.
- ✓ Applicants electing to apply for up to \$200,000 for a community-wide hazardous substance assessment grant are not eligible for a site-specific hazardous substance assessment grant in the same grant competition. Applicants applying for up to \$200,000 for a community-wide petroleum or petroleum product assessment grant will not be eligible for a site-specific petroleum assessment grant.

### For a Site-Specific Grant:

- ✓ A site-specific assessment grant must be applied for if the assessment is limited to one, and only one, site. A site-specific assessment grant application must be made if a waiver of the funding limitation is requested.
- ✓ Applicants will not be allowed to substitute another site for a site-specific assessment grant where the subject site is determined to be ineligible.

**For the complete discussion of Brownfields Program grant funding, refer to the EPA Proposal Guidelines for Brownfields Assessment, Revolving Loan Fund, and Cleanup grants at: <http://www.epa.gov/brownfields/applicat.htm>**

## *How Do I Apply for an Assessment Grant?*

Applicants submit a proposal for each grant type that they are applying for (i.e., assessment, revolving loan fund, and/or cleanup). Each proposal must address the selection criteria outlined in the guidelines.

Grant proposals should be concise and well organized, and must provide the information requested in the guidelines. Applicants must demonstrate that they meet threshold criteria requirements and must respond to evaluation criteria. Factual information about your proposed project and community must be provided.

Proposals must include:

- ✓ Cover letter describing project
- ✓ Applicant information
- ✓ Applicable mandatory attachments (e.g., state letter)
- ✓ Responses to evaluation criteria

All applicants must refer to the Proposal Guidelines published by EPA.

### *Who is Eligible to Apply for an Assessment Grant?*

Eligible entities include: state, local, and tribal governments, with the exception of certain Indian tribes in Alaska; general purpose units of local government, land clearance authorities, or other quasi-governmental entities; regional council or redevelopment agencies; or states or legislatures. Some properties are excluded from the definition of a brownfield unless EPA makes a site-specific funding determination that allows grant funds to be used at that site.

Applicants may apply for both community-wide and site-specific assessment grants; however, an applicant is limited to submitting only ONE hazardous substance assessment grant proposal and ONE petroleum assessment proposal.

Each eligible entity may submit no more than two assessment proposals.

### *How Much Assessment Grant Funding is Available?*

- ✓ Up to \$200,000 to assess a site contaminated by hazardous substances, pollutants, or contaminants (including hazardous substances co-mingled with petroleum).
- ✓ Up to \$200,000 to address a site contaminated by petroleum.
- ✓ For site-specific proposals, applicants may seek a waiver of the \$200,000 limit and request up to \$350,000 for a site contaminated by hazardous substances, pollutants, or contaminants and up to \$350,000 to assess a site contaminated by petroleum. Such waivers must be based on the anticipated level of hazardous substances, pollutants, or contaminants including hazardous

substances comingled with petroleum) or petroleum at a single site. (Community-wide assessment grants are not eligible for assessment grant “waivers.”)

- ✓ Total grant fund requests should not exceed a total of \$400,000 unless such a waiver is requested.
- ✓ Up to \$1 Million for assessment coalitions. A coalition is made up of 3 or more eligible applicants that submits one grant proposal under the name of one of the coalition members who will be the grant recipient.

### *How Long is the Assessment Period?*

The performance period for an assessment grant is three years.

### *Where Do I Find the Proposal Guidelines?*

Electronic copies of the Proposal Guidelines can be obtained from the EPA brownfields Web site at:

<http://www.epa.gov/brownfields/applicat.htm>

Additional information on grant programs may be found at: [www.grants.gov](http://www.grants.gov)

### *Is Pre-Application Assistance Available?*

If resources permit, EPA Regions may conduct open meetings with potential applicants. Check with your regional office for date and location information. Your regional Brownfields Program contacts can be found at:

<http://www.epa.gov/brownfields/corcntct.htm>

EPA can respond to questions from applicants about threshold criteria, including site eligibility and ownership.

EPA staff can not meet with applicants to discuss draft proposals or provide assistance in responding to ranking criteria.

### *What is the Evaluation/Selection Process?*

Brownfields grants are awarded on a competitive basis. Evaluation panels consisting of EPA staff and other federal agency representatives assess how well the proposals meet the threshold and ranking criteria outlined in the Proposal Guidelines for Brownfields Assessment, Revolving Loan Fund, and Cleanup grants. Final selections are made by EPA senior management after considering the ranking of proposals by the evaluation panels. Responses to threshold criteria are evaluated on a pass/fail basis. If the proposal does not meet the threshold criteria, the proposal will not be evaluated. In some circumstances, EPA may seek additional information.



# EPA Brownfields Cleanup Grants: Interested in Applying for Funding? *Here's what you need to know to get started...*

## *What is EPA's Brownfields Program?*



Lakewood, Colorado

The U.S. Environmental Protection Agency's (EPA) Brownfields Program is designed to empower states, communities, and other stakeholders to work together in a timely manner to prevent, assess, safely clean up, and sustainably reuse brownfields. EPA provides technical and financial assistance for brownfields activities through an approach based on four main goals: protecting human health and the environment, sustaining reuse, promoting partnerships, and strengthening the marketplace. Brownfields grants serve as the foundation of the Brownfields Program and support revitalization efforts by funding environmental assessment, cleanup, and job training activities. Thousands of properties have been assessed and cleaned up through the Brownfields Program, clearing the way for their reuse.



Lakewood, Colorado

A brownfield is defined as: real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. The 2002 Brownfields Law further defines the term to include a site that is: "contaminated by a controlled substance; contaminated by petroleum or a petroleum product excluded from the definition of 'hazardous substance'; or mine-scarred land."

## *What are the Four Grant Types?*

- ✓ Assessment grants provide funding for brownfields inventories, planning, environmental assessments, and community outreach.
- ✓ Revolving Loan Fund grants provide funding to capitalize a revolving loan fund that provides loans and subgrants to carry out cleanup activities at brownfields.

- ✓ **Cleanup grants** provide direct funding for cleanup activities at specific sites.
- ✓ Job Training grants provide environmental training for residents of brownfields communities.

## *What are Cleanup Grants?*

Brownfields Cleanup grants provide funding for a grant recipient to carry out cleanup activities at brownfield sites. Funds may be used to address sites contaminated by petroleum and/or hazardous substances, pollutants, or contaminants (including hazardous substances commingled with petroleum).

**For the complete discussion of Brownfields Program grant funding, refer to the EPA Proposal Guidelines for Brownfields Assessment, Revolving Loan Fund, and Cleanup grants at: <http://www.epa.gov/brownfields/applicat.htm>**

## *How Do I Apply for a Cleanup Grant?*

Applicants submit a proposal for each grant type that they are applying for (i.e., assessment, revolving loan fund, and/or cleanup). Each proposal must address the selection criteria outlined in the guidelines.

Grant proposals should be concise and well organized, and must provide the information requested in the guidelines. Applicants must demonstrate that they meet threshold criteria requirements and must respond to evaluation criteria. Factual information about your proposed project and community must be provided.

Proposals must include:

- ✓ Cover letter describing project
- ✓ Applicant information
- ✓ Applicable mandatory attachments (e.g., state letter)
- ✓ Responses to evaluation criteria

All applicants must refer to the Proposal Guidelines published by EPA.

## *Who is Eligible to Apply for a Cleanup Grant?*

Eligible entities include: state, local, and tribal governments, with the exception of certain Indian tribes in Alaska; general purpose units of local government, land clearance authorities, or other quasi-governmental entities; regional council or redevelopment agencies; states or legislatures; or nonprofit organizations.

Some properties are excluded from the definition of a brownfield unless EPA makes a site-specific funding determination that allows grant funds to be used at that site.

In order to receive a Cleanup grant, the applicant must be the sole owner of the property that is the subject of its cleanup grant proposal by time of proposal submission. For the purposes of eligibility determinations in the guidelines only, the term “own” means fee simple title. A written ASTM or equivalent Phase I report must be completed and a minimum of an ASTM or equivalent Phase II site assessment must be underway or completed prior to proposal submission.

### *How Much Cleanup Grant Funding is Available?*

- ✓ Up to \$200,000 per site – no entity may apply for funding cleanup activities at more than five sites.
- ✓ Cleanup Grants require a 20 percent cost share, which may be in the form of a contribution of money, labor, material, or services, and must be for eligible and allowable costs.

### *How Long is the Cleanup Grant Period?*

The performance period for a cleanup grant is three years.

### *Where Do I Find the Proposal Guidelines?*

Electronic copies of the Proposal Guidelines can be obtained from the EPA brownfields Web site at:

<http://www.epa.gov/brownfields/applicat.htm>

Additional information on grant programs may be found at: [www.grants.gov](http://www.grants.gov)

### *Is Pre-Application Assistance Available?*

If resources permit, EPA Regions may conduct open meetings with potential applicants. Check with your regional office for date and location information. Your regional Brownfields Program contacts can be found at: <http://www.epa.gov/brownfields/corcntct.htm>

EPA can respond to questions from applicants about threshold criteria, including site eligibility and ownership.

### *What is the Evaluation/Selection Process?*

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## Michael Cherny

---

**From:** Leah Coleman <leah.coleman@wyo.gov>  
**Sent:** Thursday, December 1, 2016 2:30 PM  
**To:** Michael Cherny; Wyoming DEQ  
**Subject:** Fwd: Records Request Received #187023100000916003

We do not have a permit associated with the facility that you are interested in.

If you have any questions, please contact me at the number below.

Leah (Krafft) Coleman  
WYPDES Permitting Supervisor  
[\(307\)777-7093](tel:(307)777-7093)

Please note new address:

200 W. 17th St. Suite 400  
Cheyenne, WY 82002

----- Forwarded message -----

**From:** Wyoming DEQ <[wyodeq@wyo.gov](mailto:wyodeq@wyo.gov)>  
**Date:** Mon, Nov 28, 2016 at 1:12 PM  
**Subject:** Fwd: Records Request Received #187023100000916003  
**To:** Tim Link <[tim.link@wyo.gov](mailto:tim.link@wyo.gov)>, Jerry Breed <[jerry.breed@wyo.gov](mailto:jerry.breed@wyo.gov)>, Mary Ramirez <[mary.ramirez@wyo.gov](mailto:mary.ramirez@wyo.gov)>, Karen Halvorsen <[karen.halvorsen@wyo.gov](mailto:karen.halvorsen@wyo.gov)>, Leah Coleman <[leah.coleman@wyo.gov](mailto:leah.coleman@wyo.gov)>, Kimber Wichmann <[kimber.wichmann@wyo.gov](mailto:kimber.wichmann@wyo.gov)>

Records Request.

----- Forwarded message -----

**From:** <[wyodeq@wyo.gov](mailto:wyodeq@wyo.gov)>  
**Date:** Mon, Nov 28, 2016 at 12:59 PM  
**Subject:** Records Request Received #187023100000916003  
**To:** [michael.cherny@mecx.net](mailto:michael.cherny@mecx.net)

Thank you for submitting your Public Records Request. Some of the records you have requested might be in active use or archives. **Also, be aware that the department is currently relocating offices. Files may not be available until the department's move is complete.** We will begin assembling and reviewing documents responsive to your request and will let you know when they are available for your review.

Sincerely,

DEQ Staff  
Wyoming Department of Environmental Quality

1870231000000916003

**User submitted data**

**Priority**

**First Name** Michael

**Last Name** Cherny

**Company Name**

**Street Address** 1435 Garrison St.

**Street Address Line 2** Suite 100

**City** Lakewood

**State / Province** Colorado

**Postal / Zip Code** 80215

**Country** USA

**E-mail** [michael.cherny@mecx.net](mailto:michael.cherny@mecx.net)

**Phone Number** [7202068724](tel:7202068724)

**What environmental media are you needing information for?** Abandoned Mine, Air, Asbestos, Coal and Non-Coal Mining, Industrial Siting, Landfills, Other, Septic, Storage Tanks, Voluntary Remediation Program, Waste, Waste Water, Water

**Division**

**Division**

**Division**

**Division**

**Division**

**Please tell us more about your information request. \*Note: Do not combine multiple sites into one request.** Acme Power Plant  
165 Acme Road  
Sheridan, WY 82801

Former coal-fired power plant for Acme Mine

**Notes on Request**

**Date Disseminated**

**Type of Request**

**Staff Contact 1**

**Staff Contact 1 Response Date**

**Staff Contact 2**

**Staff Contact 2 Response Date**

**Staff Contact 3**

**Staff Contact 3 Response Date**

**Staff Contact 4**

**Staff Contact Response Date 4**

**Staff Contact 5**

**Staff Contact Response Date 5**

**Staff Contact 6**

**Staff Contact Response Date 6**

**Request Filled**

E-Mail to and from me, in connection with the transaction of public business, is subject to the Wyoming Public Records Act and may be disclosed to third parties.

E-Mail to and from me, in connection with the transaction of public business, is subject to the Wyoming Public Records Act and may be disclosed to third parties.

## Michael Cherny

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**From:** Jerry Breed <jerry.breed@wyo.gov>  
**Sent:** Monday, November 28, 2016 1:35 PM  
**To:** Michael Cherny; Wyoming DEQ  
**Subject:** WDEQ Records Request

Dear Mr. Cherny:

Based on a cursory review of the databases for the Hazardous Waste Permitting/Corrective Action and Voluntary Remediation Programs, there are no hazardous waste facilities or voluntary remediation sites for the Acme Power Plant in Sheridan.

For your future reference, a list of sites in the Voluntary Remediation Program can be found on our website at:

[http://deq.wyoming.gov/media/attachments/Solid%20%26%20Hazardous%20Waste/Voluntary%20Remediation%20Program/Site%20Lists%20and%20Maps/16107\\_vrp\\_site\\_list.pdf](http://deq.wyoming.gov/media/attachments/Solid%20%26%20Hazardous%20Waste/Voluntary%20Remediation%20Program/Site%20Lists%20and%20Maps/16107_vrp_site_list.pdf)

Please note that above link will not work in Internet Explorer.

Please contact me if you need additional information.

Regards,

Jerry

--

Jerry Breed  
Program Manager  
Hazardous Waste & Voluntary Remediation Programs  
Solid and Hazardous Waste Division  
Wyoming Department of Environmental Quality  
200 West 17th Street, 2nd Floor  
Cheyenne, WY 82002  
Phone: 307-777-5617

**PLEASE NOTE THE NEW ADDRESS**

## Michael Cherny

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**From:** Mary Ramirez <mary.ramirez@wyo.gov>  
**Sent:** Friday, December 2, 2016 10:29 AM  
**To:** Michael Cherny  
**Cc:** Wyoming DEQ  
**Subject:** Wyoming DEQ Records Request - #187023100000916003

Hello Michael,

The Wyoming DEQ Air Quality Division has received your request for records on the Acme Power Plant in Sheridan, Wyoming. Due to the high volume of requests received by the Air Quality Division and our limited resources, it is taking much longer to fulfill these requests than usual. Because of this, I am unable to determine how long it may take to provide you with the information you are seeking. We will work to get this completed as soon as possible and will let you know when the records are ready.

Please feel free to contact us if there are any questions.

Sincerely,

Mary Ramirez  
Office Support Specialist II  
Wyoming Dept. of Environmental Quality  
Air Quality Division  
(307) 777-7393

E-Mail to and from me, in connection with the transaction of public business, is subject to the Wyoming Public Records Act and may be disclosed to third parties.

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## Michael Cherny

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**From:** Tim Link <tim.link@wyo.gov>  
**Sent:** Tuesday, November 29, 2016 12:39 PM  
**To:** Michael Cherny  
**Cc:** Wyoming DEQ  
**Subject:** Request for information

Mr. Cherny, the SHWD has researched the specific location that you requested in the EPA federal and State data bases and have found no information related to this specific location. If you have any other questions, please feel free to contact me at [307-777-7164](tel:307-777-7164). Tim Link, Wyoming DEQ/SHWD, [307-777-7164](tel:307-777-7164)

E-Mail to and from me, in connection with the transaction of public business, is subject to the Wyoming Public Records Act and may be disclosed to third parties.

## Michael Cherny

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**From:** Leah Coleman <leah.coleman@wyo.gov>  
**Sent:** Thursday, December 1, 2016 2:30 PM  
**To:** Michael Cherny; Wyoming DEQ  
**Subject:** Fwd: Records Request Received #187023100000916003

We do not have a permit associated with the facility that you are interested in.

If you have any questions, please contact me at the number below.

Leah (Krafft) Coleman  
WYPDES Permitting Supervisor  
[\(307\)777-7093](tel:(307)777-7093)

Please note new address:

200 W. 17th St. Suite 400  
Cheyenne, WY 82002

----- Forwarded message -----

**From:** Wyoming DEQ <[wyodeq@wyo.gov](mailto:wyodeq@wyo.gov)>  
**Date:** Mon, Nov 28, 2016 at 1:12 PM  
**Subject:** Fwd: Records Request Received #187023100000916003  
**To:** Tim Link <[tim.link@wyo.gov](mailto:tim.link@wyo.gov)>, Jerry Breed <[jerry.breed@wyo.gov](mailto:jerry.breed@wyo.gov)>, Mary Ramirez <[mary.ramirez@wyo.gov](mailto:mary.ramirez@wyo.gov)>, Karen Halvorsen <[karen.halvorsen@wyo.gov](mailto:karen.halvorsen@wyo.gov)>, Leah Coleman <[leah.coleman@wyo.gov](mailto:leah.coleman@wyo.gov)>, Kimber Wichmann <[kimber.wichmann@wyo.gov](mailto:kimber.wichmann@wyo.gov)>

Records Request.

----- Forwarded message -----

**From:** <[wyodeq@wyo.gov](mailto:wyodeq@wyo.gov)>  
**Date:** Mon, Nov 28, 2016 at 12:59 PM  
**Subject:** Records Request Received #187023100000916003  
**To:** [michael.cherny@mecx.net](mailto:michael.cherny@mecx.net)

Thank you for submitting your Public Records Request. Some of the records you have requested might be in active use or archives. **Also, be aware that the department is currently relocating offices. Files may not be available until the department's move is complete.** We will begin assembling and reviewing documents responsive to your request and will let you know when they are available for your review.

Sincerely,

## Michael Cherny

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**From:** Linda Dewitt <linda.dewitt@wyo.gov>  
**Sent:** Monday, December 5, 2016 8:33 AM  
**To:** Michael Cherny  
**Cc:** Mary Ramirez  
**Subject:** Records Request for Acme Power Plant located at 165 Acme Road Sheridan, WY

Mr. Cherny,

In regard to potential asbestos issues, the Wyoming Asbestos Program maintains a database of asbestos information dated from 2004 to the present that includes abatement and demolition projects where we have received Notification of Demolition and Renovation forms. Another part of the database contains information for the same time frame about locations where we have received complaints, have performed drive-by inspections, information for projects initiated by the Wyoming Department of Health and project information where research found that renovation projects did not include asbestos.

I examined that database using the information provided, and found no information for the address listed in the request.

If you have questions or need additional information, please feel free to contact me.

Linda Dewitt  
Asbestos Program Coordinator  
Wyoming Division of Air Quality  
(307) 777-7394

E-Mail to and from me, in connection with the transaction of public business, is subject to the Wyoming Public Records Act and may be disclosed to third parties.

## Michael Cherny

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**From:** Paul Wollenzien <paul.wollenzien@wyo.gov>  
**Sent:** Tuesday, December 6, 2016 1:35 PM  
**To:** Michael Cherny  
**Subject:** Acme Power Plant

Hello Michael,

There are no Storage Tank Program records for the Acme Power Plant.

Paul Wollenzien

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## Michael Cherny

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**From:** Michael Cherny  
**Sent:** Monday, November 28, 2016 1:09 PM  
**To:** 'dhofmeier@sheridancountysheriff.com'  
**Subject:** Records Request

Greetings David Hofmeier,

My name is Michael Cherny with MEC<sup>x</sup> and I am conducting a Phase I ESA on a property in Sheridan, WY as part of an EPA Targeted Brownfields Assessment (TBA). I would like to inquire about any files, records, or information the Sheridan County Sheriff may have regarding the property listed below. Please contact me at either 720-206-8724 or [michael.cherny@mecx.net](mailto:michael.cherny@mecx.net) regarding whether you do or do not have information available for these properties and if it would be possible to e-mail them to me or set up a time to review them.

**Site Name and Address:**

**Acme Power Plant**

165 Acme Road  
Sheridan, WY

Thanks for your time and help!

**michael cherny | environmental scientist | mecx**

Mobile 720-206-8724

12269 E. Vassar Dr. Aurora, CO 80014

[Michael.cherny@mecx.net](mailto:Michael.cherny@mecx.net)

<http://www.mecx.net>

