



TETRA TECH, INC.

May 18, 2007

Mr. Kenneth Stein
Langdon Wind LLC
700 Universe Boulevard
Juno Beach, Florida 33408

SUBJECT Phase I Environmental Site Assessment
Proposed Langdon Wind Energy Center
Cavalier County, North Dakota
Tetra Tech Project # 1157551118A.100

Dear Mr. Stein:

Enclosed is the Phase I Environmental Site Assessment conducted at the above-referenced Property. This study was performed in accordance with Tetra Tech EC's proposal dated March 6, 2007.

The attached report, as noted therein, has been prepared in general accordance with the American Society for Testing and Materials (ASTM) *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment, E 1527-05*. Information accumulated for this assessment will be retained with your project file. The report and information in your file are considered confidential and will not be released without your authorization.

We appreciate the opportunity to perform these services for Langdon Wind. Please contact me if you have questions regarding this information.

Sincerely,
Tetra Tech

Jeffrey R. Rice
Environmental Group Manager

HMW/JRR/rr

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Enclosure

cc: Tracey Martorano



TETRA TECH

Report of
**Phase I Environmental
Site Assessment
Proposed Landgdon Wind
Energy Center**



May 2007

complex world

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**PHASE I ENVIRONMENTAL SITE ASSESSMENT
PROPOSED LANGDON WIND ENERGY CENTER
CAVALIER COUNTY, NORTH DAKOTA**

Prepared for:

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May 18, 2007

REGULATORY AND TECHNICAL ACRONYMS

ACM	Asbestos-Containing Material
AHERA	Asbestos Hazard Emergency Response Act
AIRS	Aerometric Information Retrieval System
AST	Aboveground Storage Tank
CERCLIS	Comprehensive Environmental Response, Compensation and Liability Information System
COR	Corrective Action Facility
DOT	Department of Transportation
EPA	Environmental Protection Agency
ERNS	Emergency Response Notification System
ESA	Environmental Site Assessment
FRP	Fiberglass Reinforced Plastic
GEN	RCRA Generator
ILHR	Industry, Labor and Human Relations
LLP	Land Owner Liability Protection
LPST	Leaking Petroleum Storage Tank
LOG	Large Quantity Generator
LUST	Leaking Underground Storage Tank
MSD	Minimum Search Distance
NLR	RCRA No Longer Regulated Facility
NPDES	National Pollutant Discharge Elimination System
NPL	National Priorities List
PCB	Polychlorinated Biphenyl
PLM	Polarized Light Microscopy
PST	Petroleum Storage Tank
RAATS	RCRA Administrative Action Tracking System
REC	Recognized Environmental Condition
RCRA	Resource Conservation and Recovery Act
SQG	Small Quantity Generator
TSD	Treatment Storage and Disposal Facility
USDA	United States Department of Agriculture
USGS	United States Geological Survey
UST	Underground Storage Tank

EXECUTIVE SUMMARY

In accordance with Tetra Tech EC's proposal dated March 6, 2007, Tetra Tech performed a Phase I Environmental Site Assessment (ESA) of the proposed Langdon Wind Energy Center described in Section 2.1 of this report (hereinafter, the Property) for Langdon Wind, LLC (Langdon Wind) in general accordance with ASTM E1527-05.

The Property encompasses approximately 30,400 acres located three miles southeast of the city of Langdon, Cavalier County, North Dakota. The Property is located in a rural farming area and is comprised primarily of agricultural fields, scattered small woodlots, and several wetland areas (Figure 1). Overhead and underground transmission lines and county and section roads are located within the Property boundary.

To assess environmental conditions at the Property, Tetra Tech reviewed property land use history, geology, hydrogeology, Property and vicinity environmental records, interviewed land owners and local government officials, and performed a visual property reconnaissance.

Tetra Tech's performance of this ESA revealed two apparent junkyards near proposed turbine locations 28 and 43. One junkyard was observed approximately 1,900 feet northwest of proposed turbine location 28 forming a mound of trash which consists of containers labeled as hydraulic and motor oil, empty and rusted drums, one discarded automotive battery, and household cleaning chemicals. Another junkyard was observed approximately 1,010 feet west-southwest of proposed turbine location 43 forming a mound of trash which consists of empty rusted drums, various empty five gallon containers, an empty paint can, and an approximately 250 square foot area of stressed vegetation east of the trash mound. According to the ASTM E 1527-05 standard, a recognized environmental condition means,

"the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, ground water, or surface water of the property."

Based on the results of this assessment, these junkyards are considered recognized environmental conditions, as defined by ASTM.

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FIGURES

Figure 1 Property and Vicinity Map

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1.0 INTRODUCTION

1.1 Purpose

In accordance with Tetra Tech EC's proposal dated March 6, 2007, Tetra Tech performed a Phase I Environmental Site Assessment (ESA) of the proposed Langdon Wind Energy Center, transmission line route, laydown area, and substation (hereinafter, the Property) for Langdon Wind, LLC (Langdon Wind) in general accordance with ASTM E 1527-05.

The purpose of this Phase I ESA is to assist Langdon Wind in developing information to identify, based on commonly known and reasonably ascertainable information, current and historical recognized environmental conditions in connection with the Property as reflected by the scope of this report. ASTM Standard 1527-05 states that:

"This practice is intended for use on a voluntary basis by parties who wish to assess the environmental condition of commercial real estate taking into account commonly known and reasonably ascertainable information. While use of this practice is intended to constitute all appropriate inquiry for the purposes of LLPs, it is not intended that its use be limited to that purpose. This practice is intended primarily as an approach to conducting an inquiry designed to identify recognized environmental conditions in connection with a property."

1.2 Scope of Services

The scope of services was defined by Tetra Tech EC's proposal dated March 6, 2007. A copy of the proposal is included in Appendix A. The scope included a regulatory database review, historical and physical record review, interviews and visual noninvasive reconnaissance of the Property and adjoining properties, compilation and evaluation of data, and preparation of this report.

1.3 Significant Assumptions

Tetra Tech assumes that all information obtained from others for the Property is correct and complete. Additionally, Tetra Tech assumes that Langdon Wind and the current owner/owners of the Property have provided Tetra Tech with all reasonably ascertainable prior environmental information concerning the Property. Tetra Tech assumes that the user will read this report in its entirety.

1.4 Limitations and Exceptions of Assessment

This report was prepared for the sole use of Langdon Wind and their lenders. This report was prepared based on a review of limited data, as described therein, in accordance with generally accepted professional practices, applicable to work of similar nature and complexity of similar localities, at the time the services were performed. No warranty, express or implied, is made. The scope of this report is limited in nature and intended to provide a preliminary evaluation of the current readily observable/obvious environmental conditions at the site at the time of the report preparation and does not constitute definitive or in-depth review of all the potential environmental impairments and situations. Tetra Tech assumes no responsibility for conditions of which it is unaware and/or as to which there was no opportunity or request for review.

It is important to recognize that even the most comprehensive scope of services may not detect all the environmental liabilities at a particular site. Therefore, nothing herein shall be construed as a representation or certification that the site is either fully characterized or is free of environmental impairments and/or contamination.

In order to conduct the investigation for this report, Tetra Tech relied upon the readily available information, as discussed in the report and unless explicitly included in our scope included no verification of the accuracy or completeness of documentation or data or possible withholding of information by the interviewees, agencies, or other parties. (Please also refer to the EDR Disclaimer, Appendix C).

1.5 Special Terms and Conditions

In accordance with the agreed upon scope of work between Langdon Wind and Tetra Tech, no investigation of residential properties or surrounding land within 1,000 feet of the main residence were evaluated. Therefore, residential development, associated farm outbuildings (occupied or abandoned) and primary residences were excluded from the Property assessment.

1.6 User Reliance

This report is an instrument of service of Tetra Tech and includes limited research, a review of specified and reasonably ascertainable information and a property reconnaissance to identify "recognized environmental conditions" in general accordance with ASTM Standard E1527-05. This Phase I ESA may reflect additional or reduced services or service enhancements requested or authorized by Langdon Wind. "Recognized environmental conditions" are defined under the ASTM standard as "the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of release of any hazardous substances or petroleum products into structures on the Property or into the ground, groundwater or surface water of the Property." Tetra Tech's Phase I ESA was performed in accordance with generally accepted practices of the profession undertaken in similar studies at the same time and in the same geographical area, and Tetra Tech observed that degree of care and skill generally exercised by the profession under similar circumstances and conditions.

The scope of services and the report have been completed on behalf of and for the exclusive use of Langdon Wind and their lenders, solely for their use and reliance in the Phase I Environmental Site Assessment of this Property. Langdon Wind is the only party to which Tetra Tech has explained the risks involved and which have been involved in the shaping of the scope of services needed to satisfactorily manage those risks, if any, from Langdon Wind's point of view.

Accordingly, reliance on this report by any other party may involve assumptions whose extent and nature lead to a distorted meaning and impact of the findings and opinions related herein. Tetra Tech's findings and opinions related in this report may not be relied upon by any party except Langdon Wind without the consent of Langdon Wind and Tetra Tech. Tetra Tech may be available to contract with other parties to develop findings and opinions related specifically to such other parties' unique risk management concerns related to the Property.

2.0 PROPERTY DESCRIPTION

2.1 Location and Legal Description

The Property encompasses approximately 30,400 acres located three miles southeast of the city of Langdon, Cavalier County, North Dakota as shown on Figure 1.

2.2 Property and Vicinity General Characteristics

The Property is located in a rural farming area and is comprised almost entirely of cultivated farm fields interspersed with small farmsteads and several small wetland areas. Overhead and underground transmission lines and county and section roads pass through and adjacent to the Property.

2.3 Current Use of Property

Current Property use is almost exclusively limited to cultivated fields comprised of wheat crops. Residential development, associated farm buildings and commercial farming buildings were excluded from this Phase I Environmental Site Assessment as discussed in Section 1.5 of this report.

2.4 Property Improvements

Property improvements include secondary roads, overhead transmission lines, and farm access roads.

2.5 Current Uses of Adjoining Properties

Adjoining properties are also used nearly exclusively for cultivated crops. Houses, barns and other miscellaneous associated structures are also present. Primary and secondary roads and transmission lines are also present on adjoining properties.

3.0 USER PROVIDED INFORMATION

3.1 Title Records

Title records were provided to Tetra Tech by Langdon Wind. Title information did not reveal information that would constitute recognized environmental conditions as ownership within the Property is comprised solely of private individuals.

3.2 Environmental Liens, Activities or Use Limitations

Langdon Wind has indicated that they are not aware of any environmental cleanup liens against the Property that are filed or recorded under federal, tribal, state or local law. Langdon Wind has also indicated that they are not aware of any activity use limitations, such as engineering controls, land use restrictions or institutional controls that are in place on the Property and/or have been filed or recorded in a registry under federal, state or local law.

3.3 Specialized Knowledge

Langdon Wind has indicated that they do not have any specialized knowledge or experience related to the Property or nearby properties. Langdon Wind is not involved in the same line of business as the current or former occupants of the subject Property or adjoining properties, so that they would have no knowledge of any chemicals or processes used by current or former occupants.

3.4 Commonly Known or Reasonably Ascertainable Information

Langdon Wind has indicated that they are not aware of any commonly known or reasonably ascertainable information about the Property that would help the environmental professional to identify conditions indicative of releases or threatened releases. While Langdon Wind is aware of the past and current use of the majority of the Property as agricultural land, they are not aware of specific chemicals that are or may have been present on the Property, spills or chemical releases on the Property, or any cleanups that may have taken place on the Property.

3.5 Valuation Reduction for Environmental Issues

Langdon Wind has indicated that the majority of the Property is to be leased. However, it is their opinion that the price being paid for the areas to be purchased or leased reasonably reflect the fair market value of the Property.

3.6 Owner, Property Manager and Occupant Information

Langdon Wind has indicated that they are not aware of any obvious indicators that point to the presence or likely presence of contamination in the areas subject to their development.

3.7 Reason for Performing Phase I

The Phase I ESA was requested by Langdon Wind to evaluate existing environmental conditions, if any, as they pertain to the proposed construction of wind turbines and/or their supporting infrastructure.

4.0 RECORDS REVIEW

4.1 Historical Use Information

Historical use information for the Property and adjoining properties was obtained from reviewing reasonably ascertainable historical sources such as ownership information, aerial photographs, city directories and additional sources listed below. Uses of the Property are referenced from the present back until 1887 using reasonably ascertainable standard and additional historical sources.

4.1.1 Ownership Information

Title information was provided to Tetra Tech by Langdon Wind. Ownership within the Property is comprised of individual owners according to a review of title information. Additionally, based on a review of a current landowner map, the Property appears to be exclusively owned by private land owners (Figure 2).

4.1.2 Review of Aerial Photographs

Aerial photographs are reviewed for development that would present a recognized environmental condition (REC). Tetra Tech obtained one aerial photograph from Microsoft TerraServer dated September 13, 1997. Based on a review of the 1997 aerial photograph, the Property appears to be almost entirely comprised of farmland and scattered residences. A copy of the aerial photograph is included in Appendix C.

4.1.3 City Directories

City directories include listings of residents, businesses and professional concerns organized both alphabetically by name similar to a telephone book, and alphanumerically by street name then specifically by street address. Because the Property lies outside of incorporated municipal boundaries, city directories were not available.

4.1.4 Sanborn Fire Insurance Maps

In the late nineteenth century, the Sanborn Company began preparing maps for use by fire insurance companies. These maps indicate construction materials of specific structures in developed urban areas. With the advent of retail gasoline service stations, the approximate locations of tanks were noted, often without aboveground storage tanks (AST) or underground storage tanks (UST) designations. These maps were updated and expanded geographically periodically through the early twentieth century. The Property is not located in an area mapped by the Sanborn Map Company. Therefore Sanborn maps were not available.

4.1.6 Historical Records Summary

Review of historical records revealed that the Property was first used as rangeland in the 1880s and was subsequently developed for agricultural production. Both ranching and farming continue to the present.

4.2 Physical Setting Information

The Property is located in northeast North Dakota, in Cavalier County (Figure 1). The Property was at one time a prairie ecosystem whose sod has been broken and used mainly as cropland on near-level to rolling terrain. Several wetland areas remain within the Property. Soils in the vicinity of the Property are comprised primarily of very deep loams with a wide range of drainage capabilities although much of the area is underlain by poorly drained soil.

4.2.1 Topography

The topography of the Property, as shown on the 7.5 minute United States Geological Survey (USGS) Topographic Quadrangle Maps Langdon (1985), Langdon East (1989), Easby (1989), and Nekoma (1972), North Dakota, appears to be nearly level to gently rolling. Elevations range from approximately 1,635 to 1,650 feet above mean sea level. The western portion of the Property appears to be at a slightly higher elevation than the surrounding area and the topography gently slopes to the north, northeast, and east

toward the South Branch Park River drainage. Several minor drainages are interspersed throughout the Property.

4.2.2 Soil Conditions

Soils within the Property boundary are generally comprised of very deep loams with a wide range of drainage capabilities. The soils are generally derived from continental glacial till deposits. The Hamerly-Tonka complex and Barnes-Svea loams make up twenty-five (25) and nineteen (19) percents respectively. The next five most common soil types are Svea-Cresbard loams (10%), Svea-Buse loams (9%), Vallery-Hamerly loams (8%), Hamerly-Cresbard loams (8%), and Cavour-Cresbard loams (5%). The remainder of the mapped soils comprises less than four percent of the area. All percentages are approximate.

4.2.3 Geology

Cavalier County is covered by glacial drift deposits of Pleistocene age. The surficial deposits are generally referred to as the Coleharbor Formation. In most areas of Cavalier County the Coleharbor Formation is comprised of drift material from different periods of glacial advances including pre- and Early Wisconsinan, and late Wisconsinan. The surficial geology in the vicinity of the Property includes stagnation moraine (till), sand and gravel outwash deposits, and silty/sandy lacustrine deposits. Isolated sand and gravel deposits associated with kames and eskers are also present within the Property boundary. Glacial material is approximately 100 feet thick in the vicinity of the Property.

4.2.4 Regional Groundwater Conditions

Groundwater resources in the vicinity of the Property are generally derived from buried glacial outwash deposits of sand and gravel or the Fox Hills Formation. Review of the North Dakota State Water Commission database indicates that wells in the vicinity of the Property are either screened in the unconsolidated glacial drift aquifer or the Dakota aquifer. Depths of these wells range from approximately 60 to 150 feet. Groundwater likely occurs at shallow depths locally, as evidenced by the presence of multiple isolated wetlands within the Property boundary. Groundwater flow direction of the water table aquifer varies greatly and is controlled primarily by topography.

4.2.5 Floodplain and Zoning Information

The Property lies within the Lower Red River subbasin of the Red River basin. Intermittent streams drain primarily to the east and south. Seasonal variations in precipitation and groundwater recharge are the primary drivers of lake elevations. Review of FEMA floodplain maps indicates that the Property and properties within the vicinity are not within the 100-year or 500-year floodplain.

4.3 Regulatory Review

The purpose of the record review is to obtain and review reasonably ascertainable records that will help identify recognized environmental conditions in connection with the Property. For this review, records were obtained from EDR under inquiry number 1879396.1s. The EDR report is included in Appendix C. As noted under ASTM, information requested and not received within 20 days after the report date will not be

incorporated into this report. The approximate minimum search distance (MSD) for the Property vicinity review is noted under each database listed below.

4.3.1 Federal Database Information

- **Federal NPL Property List (MSD = 1.0 mile)**

The NPL was reviewed to identify CERCLIS facilities within a one-mile radius of the Property. No NPL facilities were identified within a one-mile radius of the Property.

- **Federal CERCLIS List (MSD = 0.5 mile)**

The EPA CERCLIS database identifies facilities that have potential releases of hazardous substances as reported under CERCLIS, Section 103 or private citizens. RCRA-permitted facilities do not appear on this database, but NPL facilities are typically listed. No CERCLIS facilities were identified within a one-half mile radius of the Property.

- **Federal RCRA List (MSD = 0.5 miles for TSD, MSD = 1.0 mile for Corrective Action Facilities (COR), MSD = 0.25 miles for generators (GEN) and no longer regulated facilities (NLR)**

Facilities listed in the RCRA database are designated as hazardous waste treatment, storage, and disposal (TSD) facilities, hazardous waste generators or hazardous waste transporters.

No RCRA TSD/COR or NLR facilities were identified within a one-mile radius of the Property. No RCRA-TSD facility was identified within the half-mile search radius of the Property. No RCRA-GEN facility was identified within the quarter-mile search radius of the Property.

- **Federal ERNS List (MSD = 0.25 miles)**

A review of the ERNS database was conducted to identify reported releases of oil and of hazardous substances on or adjacent to the Property. The database contains information from spill reports made to federal agencies including the EPA, the U.S. Coast Guard, the National Response Center and the DOT. A search of the databases identified no reported releases on or within one-quarter mile from the Property.

4.3.2 State Database Information

- **State Superfund/Hazardous Waste Listings (MSD = 1.0 mile)**

No State Superfund/Hazardous Waste facility was identified within the search radius of the Property.

- **State Solid Waste Landfill Facility Listings (MSD = 0.5 mile)**

No facilities were identified within the 0.5 mile search radius.

- **State Registered Leaking AST/UST Listings (MSD = 0.5 mile)**

No facilities were identified within the 0.5 mile search radius.

- **State Registered AST/UST listings (MSD = 0.12 mile)**

No facilities were identified within the 0.12 mile search radius.

- **State CERCLIS Equivalent Listings (MSD = 1.0 mile)**

No facilities were identified within the 1.0 mile search radius.

- **State Spills List (MSD = 0.5)**

No facilities were identified within the 0.5 mile search radius.

- **Orphan Facilities**

No orphan facilities were determined to be located within a one mile the search area.

5.0 PROPERTY RECONNAISSANCE

5.1 Methodology and Limiting Conditions

A visual reconnaissance (walkover) of the Property, including associated wind farm infrastructure locations, was conducted by Tetra Tech Environmental Scientist Ms. Haven Westerman on April 30, 2007. The purpose of the walkover was to observe Property conditions and identify exposed features that could represent or indicate ASTM recognized environmental conditions. Adjoining properties, and properties to which access was not available, were observed from the Property boundaries and public rights-of-way.

5.2 Property Observations

Reconnaissance of the proposed turbine locations and associated wind farm infrastructure and immediate surrounding areas was performed. The majority of the proposed turbines were located almost exclusively in cropland and remote from existing development.

5.2.1 General Property Setting

The Property encompasses approximately 30,400 acres of predominantly cropland, scattered small woodlots, and wetland areas. Areas excluded from the Property include residences, farm out-buildings, public rights-of-way and power transmission lines.

5.2.2 Specific Property Features

▪ Topographic Observations

The topography across the Property has limited variation and, for the most part, the surface is nearly level to rolling. Most of the land is used for cropland. Where the land is used for rangeland, vegetation including grasses and forbs are present. Several small wetland areas are also present. Fence lines, section lines, and the county road grid delineate individual property borders within the Property. These borders occasionally include planted trees and shelter belts. Open, running water was not present in any of the drainages at the time of the Property reconnaissance.

▪ Source of Drinking Water

Drinking water is provided to the residences by both the City of Langdon and private water supply wells.

▪ Sewage Disposal/Septic System

Individual septic systems are located at the residences present within the Property.

▪ Hazardous Substances and Petroleum Products associated with Operations other than Storage Tanks

Empty rusted drums, empty containers labeled hydraulic and motor oils, several retail-sized household cleaners, and one discarded automotive battery were observed scattered among other discarded items in what appeared to be a personal junkyard near proposed turbine location 28. Another junkyard location with similar items (with the exception of hydraulic and motor oils and household cleaners) was observed near proposed turbine location 43.

▪ Storage Tanks and Associated Equipment

Storage tanks and associated equipment were not observed on the Property during the Property reconnaissance.

▪ Odors

Odors were not noted on the Property during the Property reconnaissance.

▪ Surficial Staining or Stressed Vegetation

An approximately 250 square foot area of stressed vegetation was observed near proposed turbine location 43 east of the observed junkyard. Areas of staining did not accompany the stressed vegetation in this area. No other areas of stressed vegetation or staining were observed on the Property during the Property reconnaissance.

- **Drums and Other Containers**

Drums and other containers of unknown contents were observed near proposed turbine locations 28 and 43 among junkyard mounds and interspersed with other discarded items. The presence of these containers of unknown contents is considered a recognized environmental condition.

- **PCBs**

No indications of PCBs or PCB containing equipment were observed during the Property reconnaissance. Pole-mounted transformers were present along public rights-of-way which dissect the Property and within the vicinity of residences. However, the rights-of-way and residences within the vicinity will not be included in the Property acquisition and consequently, the transformers do not appear to constitute RECs.

- **Pits, Ponds or Lagoons**

Several ponds and small apparent wetlands were observed interspersed throughout the Property during the Property reconnaissance.

- **Wastewater Discharges**

No wastewater is discharged on or from the Property.

- **Wells**

With the exception of water supply wells and irrigation infrastructures, no wells were observed on the Property during the Property reconnaissance. Water supply and/or irrigation wells associated with residences and farm buildings and other structures used for farming were excluded from this assessment.

5.2.3 Summary of Property Observations

Two junkyards were observed within the Property near proposed turbine locations 28 and 43. These areas consist of empty rusted drums, containers labeled hydraulic and motor oils, household cleaners, an empty paint can, a discarded automotive battery, and an area of stressed vegetation approximately 250 square feet in size. These junkyards are considered recognized environmental conditions.

5.3 Adjoining Property Observations

Adjoining properties were visually observed from the Property and public access rights-of-way to make a cursory assessment of the current land use and its potential for recognized environmental conditions, which may have an impact on the Property. Reconnaissance of adjoining properties was performed by viewing land use from legal boundaries or by walking upon the adjoining properties that were legally accessible. The Property is surrounded on all sides by agricultural land, rangeland, primary and secondary roads, and various farm buildings. Two junkyards adjoining proposed turbine locations 28 and 43 were observed and are discussed in previous section of this report. These junkyards are considered recognized environmental conditions.

6.0 INTERVIEWS

6.1 Interviews with Individuals Familiar with the Property

Interviews were performed via telephone or questionnaire between land owners and the developer's representatives who are familiar with all or parts of the Property, the land owners, and the proposed project area. The land owners selected for interviews were those with proposed turbine locations and those who have entered into leasing agreements with Langdon Wind. Interview participants were asked questions pertaining to their knowledge of current or historical conditions, events, or situations that could present a REC in the proposed project area.

The land owners interviewed or their respective representatives had no knowledge of conditions or events that appear to be indicative of a REC. The interview record logs are provided in Appendix D of this report.

6.2 Interviews with Local Government Officials

Mr. L. David Glatt, Chief P.E. of the Environmental Health Section of the North Dakota Department of Health (NDDOH), was contacted regarding environmental issues present within the Property. Based on the response received from the NDDOH Mr. Glatt was unaware of conditions which may present a recognized environmental concern to the Property. A copy of the response letter received from Mr. Glatt is included in Appendix D of this report.

7.0 FINDINGS

Tetra Tech's performance of this ESA revealed one junkyard near proposed turbine location 28 forming a mound of trash which consists of containers labeled as hydraulic and motor oil, empty and rusted drums, one discarded automotive battery, and household cleaning chemicals. Another junkyard was observed near proposed turbine location 43 forming a mound of trash which consists of empty rusted drums, various empty five gallon containers, an empty paint can, and an approximately 250 square foot area of stressed vegetation east of the trash mound. Based on the results of this assessment, these junkyards are considered recognized environmental conditions as defined in the ASTM E 1527-05 standard.

8.0 CONCLUSIONS AND OPINIONS

Tetra Tech has performed this Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-05. The Phase I ESA was performed on Property as identified in Section 2.1 of this report.

Based upon the foregoing Phase I Environmental Site Assessment, it is Tetra Tech's opinion that the landowners with the junkyards on their properties be informed of the conditions of the junkyards and that recommendations be made for the landowners to remove them. Additionally, Tetra Tech recommends construction and operations personnel be informed of the locations of these junkyards prior to construction activities in order to avoid these junkyard areas.

9.0 DEVIATIONS AND ADDITIONAL SERVICES

No additional services were conducted that provided information included in this report.

10.0 SIGNATURE OF ENVIRONMENTAL PROFESSIONAL

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professionals as defined in S. 312.10 of this part.

We have the specific qualifications based on education, training and experience to assess a property of the nature, history and setting of the Property. We have developed and performed all the appropriate inquires in conformation with the standards and practices set forth in 40 CFR Part 312.



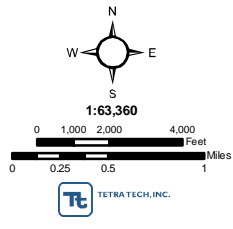
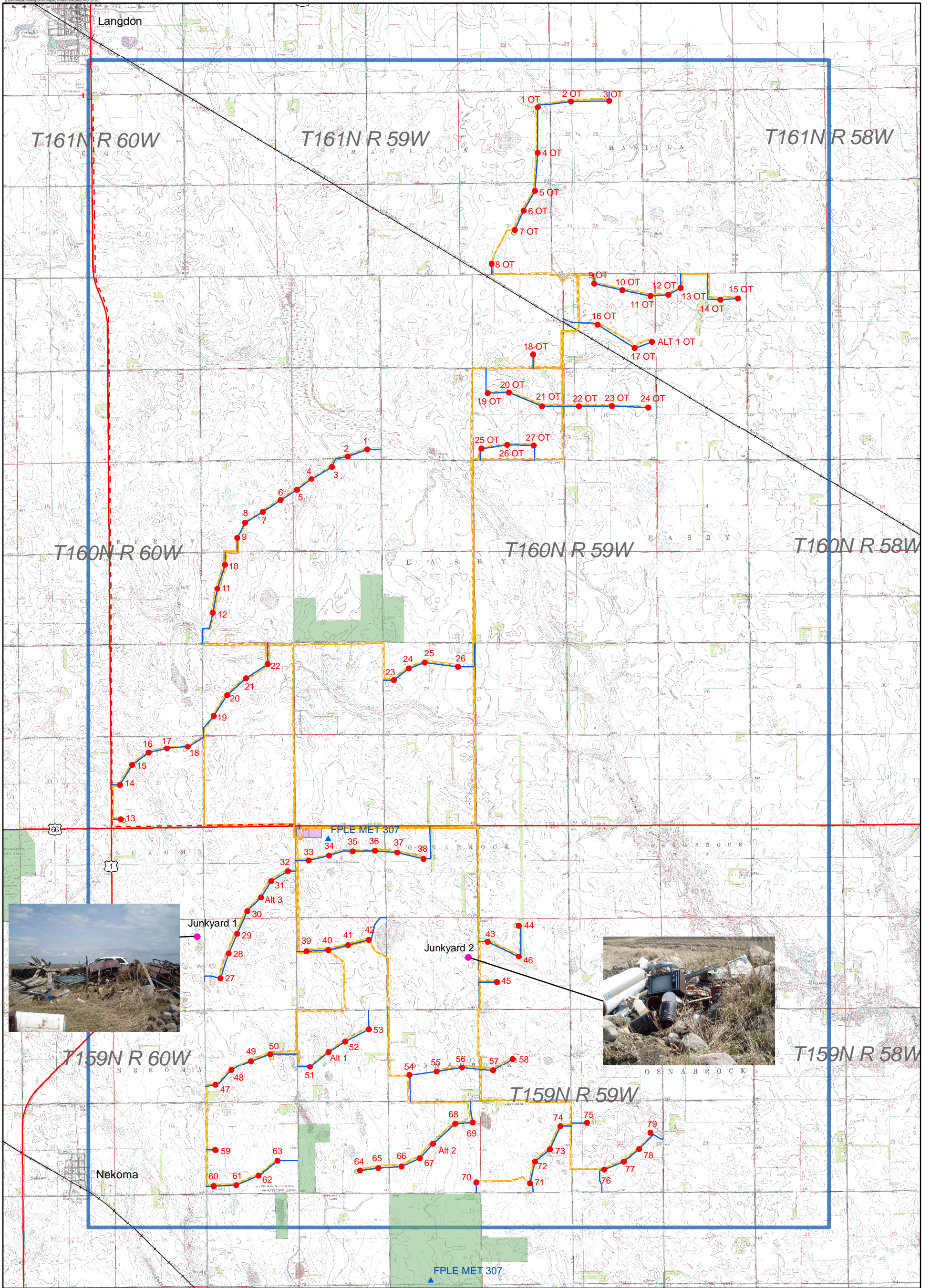
Jeffrey R. Rice
Environmental Group Manager



Haven M. Westerman
Environmental Scientist



FIGURES



- Turbine Locations 050807
- ▲ MET Locations 041607
- Junkyard
- Service Roads 050807
- Collectors 050807
- Transmission Line 050807
- Approximate Project Area
- Langdon WPA-WE Areas
- Turnaround (250' dia.)
- Substation O&M Laydown 050807

Grid: NAD 83 UTM Zone 14N meters

May 2007

Figure 1
Property and Vicinity Map
Langdon Wind Energy Center
Cavalier County, North Dakota



APPENDIX A

Copy of Scope of Services

March 6, 2007

Tracey Martorano
Project Manager
Tetra Tech EC
133 Federal Street
Boston, MA 02110

**Subject: Proposal to Conduct Phase I Environmental Site Assessment
Langdon Wind Energy Center, Langdon, Cavalier County, North Dakota
Langdon Wind, LLC**

Dear Ms. Martorano:

Tetra Tech, Inc. is pleased to submit this proposal to conduct a Phase I Environmental Site Assessment (ESA) of the proposed Langdon Wind Energy Center (Langdon Wind; hereinafter the "Property") located in Langdon, Cavalier County, North Dakota.

This proposal is presented in response to Tetra Tech's recommendations presented in the Langdon PSC Application dated February 2007. The Property consists of up to 90 turbine locations over approximately 75,053 acres (117 square miles). The Property is comprised almost entirely of agricultural and range land.

INTRODUCTION

This ESA will be performed in accordance with generally accepted practices of the profession undertaken in similar studies at the same time and in the same geographical area. Tetra Tech will observe that degree of care and skill generally exercised by the profession under similar circumstances and conditions. ESAs are a required component of the U.S. EPA's All Appropriate Inquiry (AAI) rule (40 CFR 312) for property purchasers to qualify for liability protection offered by the Small Business Liability Relief and Brownfield Revitalization Act of 2001 (CERCLA, 42 U.S.C. § 9601 et. seq). Please refer to the additional liability protection requirements for property owners/prospective owners specified in 40 CFR 312 and CERCLA, 42 U.S.C. § 9601 et. seq.

The objective of this ESA is to identify "recognized environmental conditions" associated with past or current practices on or near the Property through limited research, a review of specified and reasonably ascertainable records and a Property reconnaissance in general accordance with the American Society for Testing and Materials (ASTM) Standard E1527-05. ASTM Standard E1527-05 is approved by EPA for use to satisfy all appropriate inquiries for ESAs. "Recognized environmental conditions," as defined under this ASTM standard, include the "presence or likely presence of any hazardous substances or petroleum products on a site under conditions that indicate an existing release, a past release, or a material threat of release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater or surface water of the property". However, no ESA can wholly eliminate uncertainty regarding the potential for "recognized environmental conditions" in connection with the Property. Performance of an ESA under this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for "recognized environmental conditions" in connection with the Property, and within limits of time and cost.

Any potential purchaser(s), as the user(s) of this ESA, should investigate title or judicial records for Environmental Liens or Activity and Use Limitations (AULs) prior to purchasing the Property.

AULs may include limitations such as engineering and institutional controls, and/or land use restrictions. Investigating title, environmental liens, and AULs for a property are part of the all appropriate inquiry requirements to qualify for Landowner Liability Protection offered by the Small Business Liability Relief and Brownfield Revitalization Act of 2001. Title, judicial record, and AUL investigative work is beyond Tetra Tech's work scope for this ESA. The user can accomplish title and record reviews by engaging a title company or a title professional to undertake a review of available land title or lien records for environmental liens or AULs currently recorded against or relating to the Property.

REQUEST FOR INFORMATION

Prior to commencing these services, Tetra Tech will require the following:

- A copy of the recorded title, including easements, use limitations and liens to the property. At your direction and for additional cost, Tetra Tech can contract with a title company to provide this information.
- Property owner contacts and Property access during normal business hours. Property access rights to be arranged by FPL Energy, LLC (FPL Energy) for the week of the scheduled Property visit.

In addition, Tetra Tech requires a statement from the client regarding the purpose for conducting the Phase I ESA. If the purpose for conducting the Phase I ESA is to obtain liability protection under CERCLA, Tetra Tech will also require a statement from the client regarding which type of liability protection is to be pursued:

- Innocent landowner
- Bona fide prospective purchaser
- Contiguous property owner

ASTM 1527-05 also requires that the user of an ESA provide certain information for incorporation into the ESA report. Therefore, we are requesting that FPL Energy respond to the following questions:

1. Is FPL Energy or their lenders, as the users of this ESA, aware of any environmental cleanup liens against the Properties that are filed or recorded under federal, tribal, state or local law?
2. Is FPL Energy or their lenders, as the users of this ESA, aware of any activity use limitations, such as engineering controls, land use restrictions or institutional controls that are in place on the Properties and/or have been filed or recorded in a registry under federal, state or local law?
3. Is FPL Energy or their lenders, as the users of this ESA, have any specialized knowledge or experience related to the Properties or nearby properties?
4. Is FPL Energy or their lenders, the purchaser, involved in the same line of business as the current or former occupants of the Properties or on adjoining properties so that they would have knowledge of the chemicals and processes used by current or former occupants?

5. Is FPL Energy or their lenders, as the users of this ESA, aware of any commonly known or reasonably ascertainable information about the Properties that would help the environmental professional to identify conditions indicative of releases or threatened releases?
6. Is FPL Energy or their lenders, the purchaser, aware of specific chemicals that are or may have been present on the Properties, spills or chemical releases on the Properties, or any cleanups that may have taken place on the Properties?
7. Is FPL Energy or their lenders, the purchaser's, opinion, as the user of this ESA, that the purchase price being paid for the Properties reasonably reflects the fair market value of the Properties?
8. Is FPL Energy or their lenders, the purchaser, as the user of this ESA, aware of any obvious indicators that point to the presence or likely presence of contamination in the areas subject to their development?

Information obtained by answering the above questions is part of the requirements to qualify for Landowner Liability Protection offered by the Small Business Liability Relief and Brownfield Revitalization Act of 2001. We may contact you with additional questions during preparation of the ESA.

SCOPE OF SERVICES

For this Phase I ESA, Tetra Tech will:

1. Review the history of the Property and surrounding area to identify possible previous activities that might have introduced hazardous materials or petroleum products to the Property. The historical use of the Property will be researched from the present back to the Property's first obvious use or back to 1940, whichever is earlier. This task involves discretionary review of as many of the following ASTM standard historical sources as are necessary and reasonably ascertainable to meet this objective.

- Applicable County records
- Polk City Directories
- Building department records
- Sanborn Fire Insurance Maps
- Historical aerial photographs
- Other sources as available

Data gaps and data failures, as defined in the AAI Rule, will be noted in the report.

2. Review environmental information regarding the Property and surrounding area using the following resources. Search distances will be in accordance with those specified in the AAI Rule.
 - US EPA databases, including National Priorities List (NPL); Comprehensive Environmental Response, Compensation, and Liability Index System (CERCLIS); CERCLA No Further Remedial Action Planned (NFRAP) database; Resource Conservation and Recovery Index System (RCRIS); RCRA Corrective Action under RCRA (CORRACTS) database; and Emergency Response Notification System (ERNS) database.

- North Dakota State databases, including State Superfund (CECRA) database, Solid Waste Disposal Facilities, and Leaking Underground Storage Tank (LUST) and Registered Underground Storage Tank (UST) databases.
 - Other environmental databases, as available. These other databases will be reviewed at the discretion of Tetra Tech.
3. Interview appropriate persons concerning history of the Property and/or knowledge of hazardous materials or other contaminants on the Property or within the immediate vicinity. Such persons will include:
- Local, state, and/or federal officials
 - Property owner, key Property managers, and/or Property occupants
4. Review available physical setting sources as listed below:
- US Geological Survey (USGS) 7.5 Minute Topographic Map
 - Groundwater maps
 - Bedrock geology maps
 - Surficial geology maps
 - Soil maps
5. Inspect the Property to obtain information related to identifying recognized environmental conditions (as defined in the ASTM standard) from public right of ways and on land owners' properties where authorization can reasonably be obtained. Current use of the Property and adjoining properties will be discussed. Photographs of the Property will be taken to document pertinent features. The inspection will identify the presence or absence of the following features where appropriate:
- | | |
|------------------------------|------------------------------|
| • Potable water supply | • Sewage disposal system |
| • On-Properties chemical use | • Storage tanks |
| • Odors | • Drums and Other containers |
| • PCBs | • Heating/Cooling system |
| • Stains or corrosion | • Drains or sumps |
| • Pits, ponds, or lagoons | • Stained soil or pavement |
| • Stressed vegetation | • Solid waste disposal |
| • Wastewater disposal | • Wells |
| • Pools of liquids | |
6. After completing records review and Property reconnaissance, Tetra Tech will provide a verbal report of the findings and preliminary recommendations. Tetra Tech will issue a written report documenting the Phase I evaluation. The report will reflect evaluation of the Property for FPL Energy and will include a description of the evaluation methods, discussion of results, conclusions, and recommendations.

PROPOSAL ASSUMPTIONS

- The assessment will include up to 500 feet buffer around each proposed turbine location.
- No investigation of residential properties or surrounding land within 1,000 feet of the main residence will be evaluated.

- Research into Property ownership information and chain-of-title documentation is not included in this proposal as this will be provided.
- No search for recorded environmental cleanup liens against any of the Property will be conducted.
- Crop land may affect the ability of the inspector to gain access and affect the ability to observe Property features including surface staining.

PROJECT SCHEDULE

Tetra Tech is prepared to commence work on this project promptly following receipt of your notification to proceed. The primary constraint for timely completion of a Phase I ESA is typically the acquisition of the historical title and ownership information, which Tetra Tech may not receive for up to two weeks after client notification to proceed. Issuance of the Project Report is anticipated within 10 working days after completion of the Property reconnaissance, contingent on standard conditions. We anticipate, due to current workload, availability and the size of the Property, the report will be issued within three to four weeks of authorization to proceed. Field crews can be mobilized by February 20, 2007.

PROPOSED FEES

Tetra Tech proposes to complete this project on a time and materials basis as identified in Attachment A. This budget is based upon the anticipated scope of services and assumptions included in this proposal. If the findings of this assessment indicate the need for further study, you will be apprised of the conditions of concern together with recommendations for revised services.

LIMITATIONS

The Project Report will not be a comprehensive site characterization or regulatory compliance audit and should not be construed as such. To achieve the ESA objectives stated in this proposal, Tetra Tech will be required to base our conclusions and opinions on comments made by interviewees and on reasonably ascertainable records available during the period of the assessment and within the limits prescribed and agreed upon by the user. Tetra Tech assumes no responsibility for the truth or accuracy of any information provided to Tetra Tech by others or for the lack of information that is intentionally or negligently withheld from Tetra Tech by others. This ESA will not include any inquiry with respect to asbestos-containing building materials, lead-based paint or wetlands.

Tetra Tech does not and cannot represent that the Property contains no hazardous or toxic materials, products, or other latent conditions beyond that observed by Tetra Tech during its site assessment. Further, the services herein shall in no way be construed, designed or intended to be relied upon as legal interpretation or advice. The report will not be a legal opinion. Only legal counsel retained by the user is competent to determine the legal implications of any information or conclusions that may be presented in the report.

This proposal has been prepared for FPL and their lenders (client). The report prepared as part of the services herein shall be for the exclusive use and reliance of FPL or their client, the purchaser and shall not be conveyed to third parties without prior written authorization from the client and Tetra Tech. In that case, Tetra Tech will issue a letter of understanding to the third party so that a copy of the report can be issued to that third party for a processing fee. Notwithstanding anything to the contrary, any third party reliance is limited to the agreed upon scope of services by and between the client and Tetra Tech.

CONDITIONS OF ENGAGEMENT

This proposal may be accepted by executing Tetra Tech's *Agreement for Professional Consulting Services* and returning the executed copy to Tetra Tech. The proposal for services and accompanying limitations shall constitute the exclusive services to be performed for this project. Tetra Tech's total fee is due within thirty (30) days following receipt of invoice. This proposal is valid only if authorized within sixty (60) days from the proposal date.

Please forward a signed agreement, legal descriptions, chains of title, site plans, and answers to the user questions at your earliest convenience so that the assessment can be completed within the proposed project schedule.

We appreciate the opportunity to provide this proposal and look forward to working with you on this project. If you have any questions or comments regarding this proposal, please do not hesitate to call me in the Billings office at (406) 248-9161.

Respectfully Submitted,
TETRA TECH, Inc.

DRAFT

Jeffrey R. Rice
Environmental Group Manager



APPENDIX B
Property Photographs

LANGDON PROPERTY PHOTOGRAPHS



Junkyard northwest of proposed turbine location 28 with two empty five gallon containers labeled hydraulic and motor oil.



Junkyard northwest of proposed turbine location 28 with discarded household cleaners.

LANGDON PROPERTY PHOTOGRAPHS



Junkyard southwest of proposed turbine location 43 with empty five gallon containers.



Junkyard southwest of proposed turbine location 43 with various discarded automotive components.

LANGDON PROPERTY PHOTOGRAPHS



Stressed vegetation southwest of proposed turbine location 43.



Proposed transmission line route running east to west in Section 36, Township 160 N and Range 60 W.

LANGDON PROPERTY PHOTOGRAPHS



View looking southwest toward proposed substation and O&M facility in Section 6, Township 159 N and Range 60 West.



Typical landscape encompassing the Property and proposed turbine locations.



APPENDIX C

Historical and Regulatory Documentation

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USGS 167 km SW of Winnipeg, Manitoba, Canada 13 Sep 1997



0 2Km

0 1Mi

Image courtesy of the U.S. Geological Survey

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0 1Mi

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 **USGS 150 km SW of Winnipeg, Manitoba, Canada 13 Sep 1997**



0 2Km

0 1Mi

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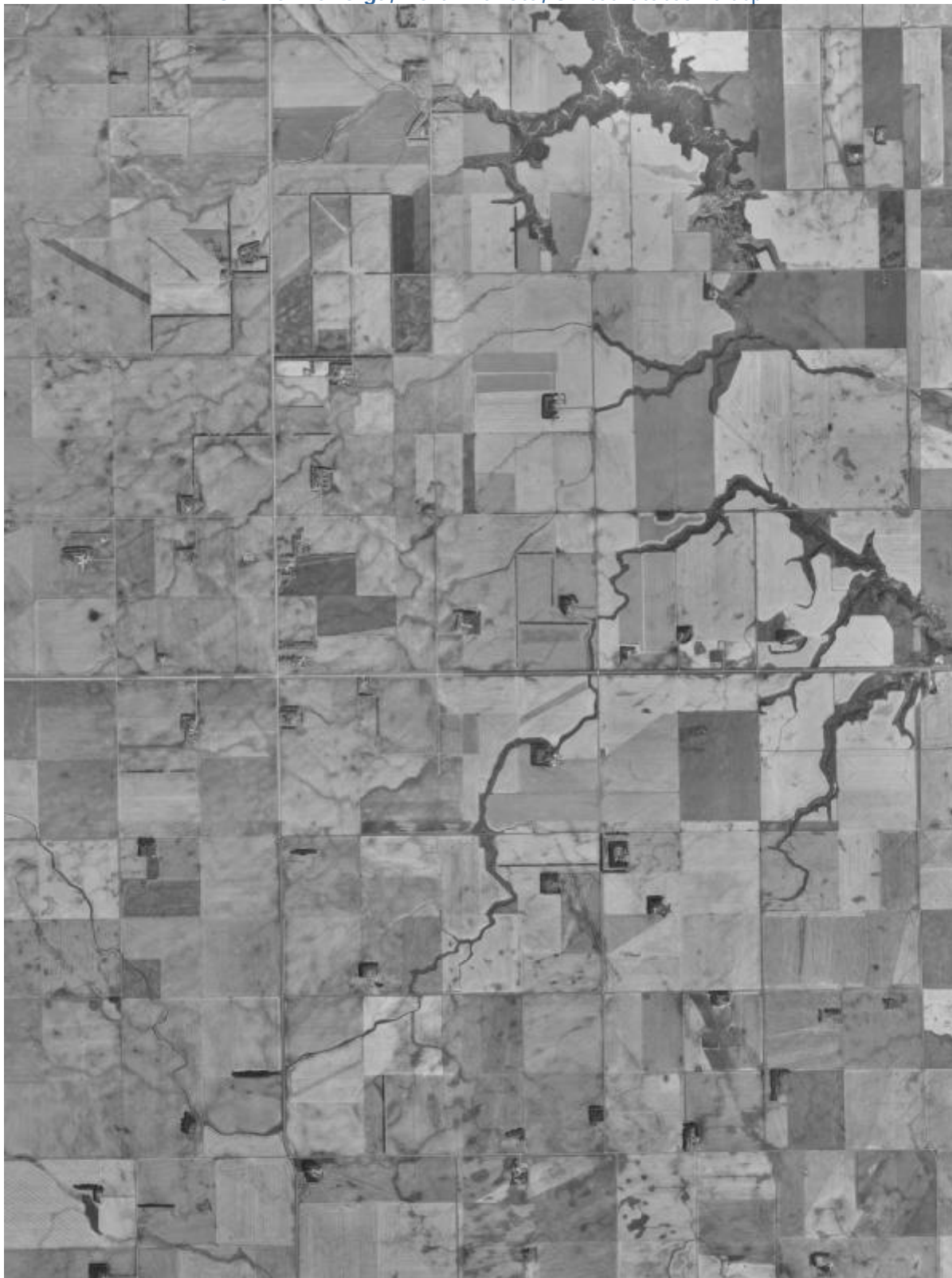
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USGS 8 km SW of Olga, North Dakota, United States 13 Sep 1997



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 **USGS 2 km E of Osabrock, North Dakota, United States** 13 Sep 1997



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USGS 8 km SW of Milton, North Dakota, United States 13 Sep 1997



0 2Km

0 1Mi

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EDR® Environmental
Data Resources Inc

EDR DataMap® Area Study

**Langdon ESA
Langdon, ND 58249**

April 11, 2007

Inquiry number 1879396.1s

The Standard in Environmental Risk Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

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

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).

TARGET PROPERTY INFORMATION

ADDRESS

LANGDON, ND 58249
LANGDON, ND 58249

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records within the requested search area for the following databases:

FEDERAL RECORDS

NPL	National Priority List
Proposed NPL	Proposed National Priority List Sites
Delisted NPL	National Priority List Deletions
NPL RECOVERY	Federal Superfund Liens
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP	CERCLIS No Further Remedial Action Planned
CORRACTS	Corrective Action Report
RCRA-TSDF	Resource Conservation and Recovery Act Information
RCRA-LQG	Resource Conservation and Recovery Act Information
ERNS	Emergency Response Notification System
HMIRS	Hazardous Materials Information Reporting System
US ENG CONTROLS	Engineering Controls Sites List
US INST CONTROL	Sites with Institutional Controls
DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
US BROWNFIELDS	A Listing of Brownfields Sites
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
ODI	Open Dump Inventory
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
SSTS	Section 7 Tracking Systems
ICIS	Integrated Compliance Information System
LUCIS	Land Use Control Information System
RADINFO	Radiation Information Database
US CDL	Clandestine Drug Labs
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System

EXECUTIVE SUMMARY

MINES..... Mines Master Index File
RAATS..... RCRA Administrative Action Tracking System

STATE AND LOCAL RECORDS

SHWS..... This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.
SWF/LF..... Solid Waste Landfills/Special Use Landfills
DRYCLEANERS..... Drycleaner Facility Listing
BROWNFIELDS..... List of Brownfields Sites
CDL..... Clandestine Drug Lab Location Listing

TRIBAL RECORDS

INDIAN RESERV..... Indian Reservations
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land
INDIAN UST..... Underground Storage Tanks on Indian Land

EDR PROPRIETARY RECORDS

Manufactured Gas Plants... EDR Proprietary Manufactured Gas Plants

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

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

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

FEDERAL RECORDS

RCRAInfo: 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. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System(RCRIS). 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. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-SQG list, as provided by EDR, and dated 06/13/2006 has revealed that there are 2 RCRA-SQG sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
<i>HARVEST STATES COOPERATIVES</i>	<i>103 FOURTH AVENUE</i>	<i>1</i>	<i>3</i>
<i>SIMPLOT SOILBUILDERS</i>	<i>120 5TH AVE</i>	<i>1</i>	<i>3</i>

EXECUTIVE SUMMARY

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 01/18/2007 has revealed that there are 2 FINDS sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
HARVEST STATES COOPERATIVES	103 FOURTH AVENUE	1	3
SIMPLOT SOILBUILDERS	120 5TH AVE	1	3

STATE AND LOCAL RECORDS

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Health's LUST List

A review of the LUST list, as provided by EDR, and dated 01/11/2007 has revealed that there is 1 LUST site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
FSK SERVICE AND WASH	307 7TH AVENUE	1	4
Facility Status: Site Cleanup Completed			
Facility Status: Routine Removal : Petroleum			

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Health's UST Data (Facility & Owner Address of the Tanks Currently Recorded in North Dakota).

A review of the UST list, as provided by EDR, and dated 01/11/2007 has revealed that there are 3 UST sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
LANGDON DEPOT	413 3RD STREET	1	4
FARMERS UNION OIL COMPANY	513 3RD STREET	1	4
FSK SERVICE AND WASH	307 7TH AVENUE	1	4

AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Health & Consolidated Laboratories' AST Data (Facility & Owner Address of the Tanks Currently Recorded in North Dakota).

A review of the AST list, as provided by EDR, and dated 05/30/2006 has revealed that there is 1 AST site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
FARMERS UNION OIL CO.	513 3RD STREET	1	4

EXECUTIVE SUMMARY

Please refer to the end of the findings report for unmapped orphan sites due to poor or inadequate address information.

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Total Plotted</u>
<u>FEDERAL RECORDS</u>	
NPL	0
Proposed NPL	0
Delisted NPL	0
NPL RECOVERY	0
CERCLIS	0
CERC-NFRAP	0
CORRACTS	0
RCRA TSD	0
RCRA Lg. Quan. Gen.	0
RCRA Sm. Quan. Gen.	2
ERNS	0
HMIRS	0
US ENG CONTROLS	0
US INST CONTROL	0
DOD	0
FUDS	0
US BROWNFIELDS	0
CONSENT	0
ROD	0
UMTRA	0
ODI	0
TRIS	0
TSCA	0
FTTS	0
SSTS	0
ICIS	0
LUCIS	0
RADINFO	0
CDL	0
PADS	0
MLTS	0
MINES	0
FINDS	2
RAATS	0
<u>STATE AND LOCAL RECORDS</u>	
State Haz. Waste	N/A
State Landfill	0
LUST	1
UST	3
AST	1
DRYCLEANERS	0
BROWNFIELDS	0
CDL	0
<u>TRIBAL RECORDS</u>	
INDIAN RESERV	0

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Total Plotted</u>
INDIAN LUST	0
INDIAN UST	0
<u>EDR PROPRIETARY RECORDS</u>	
Manufactured Gas Plants	0

NOTES:

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 FINDINGS

Map ID			EDR ID Number
Direction			
Distance			
Distance (ft.)Site		Database(s)	EPA ID Number

1	HARVEST STATES COOPERATIVES 103 FOURTH AVENUE LANGDON, ND 58249	RCRA-SQG FINDS	1000632746 NDD986269868
----------	--	---------------------------------	--

RCRAInfo:

Owner: HARVEST STATES COOPERATIVES
(612) 646-9433

EPA ID: NDD986269868

Contact: MARCK DANIELS
(612) 641-6311

Classification: Small Quantity Generator
 TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
 Other Pertinent Environmental Activity Identified at Site

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

1	SIMPLOT SOILBUILDERS 120 5TH AVE LANGDON, ND 58249	RCRA-SQG FINDS	1000348320 NDD000716753
----------	---	---------------------------------	--

RCRAInfo:

Owner: JR SIMPLOT CO
(999) 999-9999

EPA ID: NDD000716753

Contact: ELROY ENERVOLD
(701) 256-2815

Classification: Small Quantity Generator
 TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
 Other Pertinent Environmental Activity Identified at Site

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

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 Database(s)
 EPA ID Number

1 **LANGDON DEPOT** **UST** **U003036038**
413 3RD STREET **N/A**
LANGDON, ND 58249

UST:
 Facility ID: 1212
 Facility Phone: Not reported
 Office Use: True
 Notification Type: Closure
 Owner Name: Burlington Northern and Santa Fe Railroad Company
 Owner Address: 511 2nd Avenue SE PO Box 459
 Owner City,St,Zip:Dilworth, MN 56529
 Owner Phone: (612) 298-2492

1 **FARMERS UNION OIL COMPANY** **UST** **U003036021**
513 3RD STREET **N/A**
LANGDON, ND 58249

UST:
 Facility ID: 3
 Facility Phone: (701) 256-5531
 Office Use: False
 Notification Type: Amend
 Owner Name: Farmers Union Oil Company
 Owner Address: 513 3rd Street
 Owner City,St,Zip:Langdon, ND 58249
 Owner Phone: (701) 256-5531

1 **FARMERS UNION OIL CO.** **AST** **A100248680**
513 3RD STREET **N/A**
LANGDON, ND

AST:
 Total Tanks: 12
 Contact Name: LORNE TETRAULT
 Contact Company: FARMERS UNION OIL CO
 Contact Address: 513 3RD ST
 Contact City,St,Zip: LANGDON, ND 58249
 Contact Phone: 701-256-5531

1 **FISK SERVICE AND WASH** **LUST** **U003036022**
307 7TH AVENUE **UST** **N/A**
LANGDON, ND 58249

LUST:
 Facility ID: 3671
 Owner Name: Wales Farmers Elevator Inc
 Owner Address: PO Box 147
 Owner City,St,Zip:Wales, ND 58281
 Event ID: 173
Facility Status: Site Cleanup Completed
Status Date: 6/24/1993

Facility Status: Routine Removal : Petroleum
Status Date: 6/23/1993

Facility Status: Confirmed Release

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

FISS SERVICE AND WASH (Continued)

U003036022

Status Date: 6/23/1993

**Facility Status: LUST Cleanup Initiated: Petroleum
Status Date: 6/23/1993**

UST:

Facility ID: 3671
Facility Phone: Not reported
Office Use: True
Notification Type: Closure
Owner Name: Wales Farmers Elevator Inc
Owner Address: PO Box 147
Owner City,St,Zip:Wales, ND 58281
Owner Phone: (701) 283-5222

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
EDMORE	U004021400	FARMERS UNION OIL CARTROL	HIGHWAY 1 SOUTH	58330	UST
EDMORE	U003034966	RAMSEY COUNTY	EDMORE COUNTY SHOP	58330	UST
EDMORE	A100212427	FARMERS UNION OIL CO.	523 SOUTH MAIN	58330	AST
LANGDON	1004747441	BRIAN'S BODYSHOP	9225 HWY 1 S	58249	RCRA-SQG, FINDS
LANGDON	U003036036	LANGDON AIRPORT	HIGHWAY 5 WEST	58249	UST
LANGDON	1003877687	LANGDON LANDFILL	51/2,NW1/4,SEC.17,T161N,R60W	58249	CERC-NFRAP
LANGDON	1000889184	BNSF - EASBY CROSSING	EASBY CROSSING OF BNSF	58249	RCRA-SQG, FINDS
LANGDON	U003790197	CAVALIER COUNTY LANGDON	LANGDON SHED	58249	UST
OSNABROCK	1008374161	RICHARD OTTO	11330 HWY 66	58269	RCRA-SQG
OSNABROCK	U003036728	GAYLORDS SERVICE	MAIN STREET PO BOX 33	58269	UST

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

FEDERAL RECORDS

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: 01/25/2007	Source: EPA
Date Data Arrived at EDR: 01/31/2007	Telephone: N/A
Date Made Active in Reports: 03/12/2007	Last EDR Contact: 01/31/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 04/30/2007
	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: 09/27/2006	Source: EPA
Date Data Arrived at EDR: 11/01/2006	Telephone: N/A
Date Made Active in Reports: 11/22/2006	Last EDR Contact: 02/23/2007
Number of Days to Update: 21	Next Scheduled EDR Contact: 04/30/2007
	Data Release Frequency: Quarterly

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: 12/28/2006	Source: EPA
Date Data Arrived at EDR: 01/31/2007	Telephone: N/A
Date Made Active in Reports: 03/12/2007	Last EDR Contact: 01/31/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 04/30/2007
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NPL RECOVERY: 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: 03/26/2007
Number of Days to Update: 56	Next Scheduled EDR Contact: 05/21/2007
	Data Release Frequency: No Update Planned

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

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

Date of Government Version: 11/28/2006	Source: EPA
Date Data Arrived at EDR: 12/19/2006	Telephone: 703-603-8960
Date Made Active in Reports: 01/29/2007	Last EDR Contact: 03/21/2007
Number of Days to Update: 41	Next Scheduled EDR Contact: 06/18/2007
	Data Release Frequency: Quarterly

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

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

Date of Government Version: 12/20/2006	Source: EPA
Date Data Arrived at EDR: 01/29/2007	Telephone: 703-603-8960
Date Made Active in Reports: 02/27/2007	Last EDR Contact: 03/19/2007
Number of Days to Update: 29	Next Scheduled EDR Contact: 06/18/2007
	Data Release Frequency: Quarterly

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 01/04/2007	Source: EPA
Date Data Arrived at EDR: 01/18/2007	Telephone: 800-424-9346
Date Made Active in Reports: 02/27/2007	Last EDR Contact: 03/05/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 06/04/2007
	Data Release Frequency: Quarterly

RCRA: Resource Conservation and Recovery Act Information

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). 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. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/13/2006	Source: EPA
Date Data Arrived at EDR: 06/28/2006	Telephone: 800-424-9346
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 02/27/2007
Number of Days to Update: 56	Next Scheduled EDR Contact: 04/16/2007
	Data Release Frequency: Quarterly

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: 12/31/2006	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/24/2007	Telephone: 202-267-2180
Date Made Active in Reports: 03/12/2007	Last EDR Contact: 01/24/2007
Number of Days to Update: 47	Next Scheduled EDR Contact: 04/23/2007
	Data Release Frequency: Annually

HMIRS: Hazardous Materials Information Reporting System

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

Date of Government Version: 11/28/2006	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 01/17/2007	Telephone: 202-366-4555
Date Made Active in Reports: 02/27/2007	Last EDR Contact: 01/17/2007
Number of Days to Update: 41	Next Scheduled EDR Contact: 04/16/2007
	Data Release Frequency: Annually

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: 01/24/2007	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/31/2007	Telephone: 703-603-8905
Date Made Active in Reports: 04/04/2007	Last EDR Contact: 04/02/2007
Number of Days to Update: 63	Next Scheduled EDR Contact: 07/02/2007
	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: 01/24/2007	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/31/2007	Telephone: 703-603-8905
Date Made Active in Reports: 02/27/2007	Last EDR Contact: 04/02/2007
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/02/2007
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 703-692-8801
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 02/08/2007
Number of Days to Update: 62	Next Scheduled EDR Contact: 05/07/2007
	Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

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

Date of Government Version: 12/31/2005	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 09/20/2006	Telephone: 202-528-4285
Date Made Active in Reports: 11/22/2006	Last EDR Contact: 04/02/2007
Number of Days to Update: 63	Next Scheduled EDR Contact: 07/02/2007
	Data Release Frequency: Varies

US BROWNFIELDS: A Listing of Brownfields Sites

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

Date of Government Version: 01/29/2007	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/31/2007	Telephone: 202-566-2777
Date Made Active in Reports: 04/04/2007	Last EDR Contact: 03/12/2007
Number of Days to Update: 63	Next Scheduled EDR Contact: 06/11/2007
	Data Release Frequency: Semi-Annually

CONSENT: Superfund (CERCLA) Consent Decrees

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

Date of Government Version: 08/23/2006	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 03/06/2007	Telephone: Varies
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 02/06/2007
Number of Days to Update: 35	Next Scheduled EDR Contact: 04/23/2007
	Data Release Frequency: Varies

ROD: Records Of Decision

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

Date of Government Version: 01/10/2007	Source: EPA
Date Data Arrived at EDR: 01/24/2007	Telephone: 703-416-0223
Date Made Active in Reports: 02/27/2007	Last EDR Contact: 03/27/2007
Number of Days to Update: 34	Next Scheduled EDR Contact: 07/02/2007
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 11/08/2006	Telephone: 505-845-0011
Date Made Active in Reports: 01/29/2007	Last EDR Contact: 03/20/2007
Number of Days to Update: 82	Next Scheduled EDR Contact: 06/18/2007
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

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: 12/31/2004	Source: EPA
Date Data Arrived at EDR: 06/22/2006	Telephone: 202-566-0250
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 03/20/2007
Number of Days to Update: 62	Next Scheduled EDR Contact: 06/18/2007
	Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2002	Source: EPA
Date Data Arrived at EDR: 04/14/2006	Telephone: 202-260-5521
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 01/15/2007
Number of Days to Update: 46	Next Scheduled EDR Contact: 04/16/2007
	Data Release Frequency: Every 4 Years

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

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

Date of Government Version: 02/26/2007	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-566-1667
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 03/19/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 06/18/2007
	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: 02/26/2007	Source: EPA
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-566-1667
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 03/19/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 06/18/2007
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 12/31/2004	Source: EPA
Date Data Arrived at EDR: 05/11/2006	Telephone: 202-564-4203
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 01/29/2007
Number of Days to Update: 11	Next Scheduled EDR Contact: 04/16/2007
	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: 11/06/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/02/2007	Telephone: 202-564-5088
Date Made Active in Reports: 04/04/2007	Last EDR Contact: 01/15/2007
Number of Days to Update: 61	Next Scheduled EDR Contact: 04/16/2007
	Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

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

Date of Government Version: 01/30/2007	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/31/2007	Telephone: 202-343-9775
Date Made Active in Reports: 02/27/2007	Last EDR Contact: 01/31/2007
Number of Days to Update: 27	Next Scheduled EDR Contact: 04/30/2007
	Data Release Frequency: Quarterly

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: 12/01/2006	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 01/08/2007	Telephone: 202-307-1000
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 03/29/2007
Number of Days to Update: 3	Next Scheduled EDR Contact: 06/25/2007
	Data Release Frequency: Quarterly

LUCIS: Land Use Control Information System

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

Date of Government Version: 12/09/2005	Source: Department of the Navy
Date Data Arrived at EDR: 12/11/2006	Telephone: 843-820-7326
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 03/26/2007
Number of Days to Update: 31	Next Scheduled EDR Contact: 06/11/2007
	Data Release Frequency: Varies

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/17/2006
Date Data Arrived at EDR: 11/29/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 43

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 03/02/2007
Next Scheduled EDR Contact: 05/07/2007
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

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

Date of Government Version: 01/11/2007
Date Data Arrived at EDR: 01/26/2007
Date Made Active in Reports: 02/27/2007
Number of Days to Update: 32

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 04/02/2007
Next Scheduled EDR Contact: 07/02/2007
Data Release Frequency: Quarterly

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: 11/15/2006
Date Data Arrived at EDR: 12/28/2006
Date Made Active in Reports: 01/29/2007
Number of Days to Update: 32

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 03/28/2007
Next Scheduled EDR Contact: 06/25/2007
Data Release Frequency: Semi-Annually

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: 01/18/2007
Date Data Arrived at EDR: 01/23/2007
Date Made Active in Reports: 02/27/2007
Number of Days to Update: 35

Source: EPA
Telephone: N/A
Last EDR Contact: 04/02/2007
Next Scheduled EDR Contact: 07/02/2007
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

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

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 03/05/2007
Next Scheduled EDR Contact: 06/04/2007
Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2003
Date Data Arrived at EDR: 06/17/2005
Date Made Active in Reports: 08/04/2005
Number of Days to Update: 48

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 03/06/2007
Next Scheduled EDR Contact: 06/11/2007
Data Release Frequency: Biennially

STATE AND LOCAL RECORDS

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 Health
Telephone: 701-328-5166
Last EDR Contact: 03/19/2007
Next Scheduled EDR Contact: 06/18/2007
Data Release Frequency: N/A

SWF/LF: Solid Waste Landfills/Special Use Landfills

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

Date of Government Version: 01/08/2007
Date Data Arrived at EDR: 02/23/2007
Date Made Active in Reports: 03/30/2007
Number of Days to Update: 35

Source: Department of Health
Telephone: 701-328-5166
Last EDR Contact: 02/07/2007
Next Scheduled EDR Contact: 05/07/2007
Data Release Frequency: Semi-Annually

LUST: Leaking Underground Storage Tank List

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

Date of Government Version: 01/11/2007
Date Data Arrived at EDR: 01/12/2007
Date Made Active in Reports: 02/07/2007
Number of Days to Update: 26

Source: Department of Health
Telephone: 701-328-5166
Last EDR Contact: 03/26/2007
Next Scheduled EDR Contact: 06/25/2007
Data Release Frequency: Quarterly

UST: Underground Storage Tank Data

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: 01/11/2007
Date Data Arrived at EDR: 01/12/2007
Date Made Active in Reports: 02/16/2007
Number of Days to Update: 35

Source: Department of Health
Telephone: 701-328-5166
Last EDR Contact: 03/26/2007
Next Scheduled EDR Contact: 06/25/2007
Data Release Frequency: Quarterly

AST: Aboveground Storage Tank Listing

Registered Aboveground Storage Tanks.

Date of Government Version: 05/30/2006
Date Data Arrived at EDR: 06/23/2006
Date Made Active in Reports: 08/04/2006
Number of Days to Update: 42

Source: Department of Insurance
Telephone: 701-328-3246
Last EDR Contact: 02/19/2007
Next Scheduled EDR Contact: 05/21/2007
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DRYCLEANERS: Drycleaner facilities

A listing of drycleaner facility locations.

Date of Government Version: 02/27/2007
Date Data Arrived at EDR: 03/16/2007
Date Made Active in Reports: 03/30/2007
Number of Days to Update: 14

Source: Department of Health
Telephone: 701-328-5188
Last EDR Contact: 01/22/2007
Next Scheduled EDR Contact: 04/23/2007
Data Release Frequency: Varies

BROWNFIELDS: List of Brownfields Sites

The concept of the Brownfields Program is to take contaminated or potentially contaminated, underdeveloped, unproductive property and convert it into productive real estate. Brownfield sites are defined as abandoned, idled or underused industrial or commercial properties whose redevelopment is complicated by real or perceived environmental contamination.

Date of Government Version: 03/19/2007
Date Data Arrived at EDR: 03/20/2007
Date Made Active in Reports: 03/30/2007
Number of Days to Update: 10

Source: Department of Health
Telephone: 701-328-5166
Last EDR Contact: 03/19/2007
Next Scheduled EDR Contact: 06/18/2007
Data Release Frequency: Varies

CDL: Clandestine Drug Lab Location Listing

A listing of clandestine drug lab locations in North Dakota.

Date of Government Version: 03/07/2007
Date Data Arrived at EDR: 03/15/2007
Date Made Active in Reports: 03/30/2007
Number of Days to Update: 15

Source: Bureau of Criminal Investigation
Telephone: 701-795-3590
Last EDR Contact: 03/12/2007
Next Scheduled EDR Contact: 06/11/2007
Data Release Frequency: Varies

TRIBAL RECORDS

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 02/08/2007
Next Scheduled EDR Contact: 05/07/2007
Data Release Frequency: Semi-Annually

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: 12/01/2006
Date Data Arrived at EDR: 12/01/2006
Date Made Active in Reports: 01/29/2007
Number of Days to Update: 59

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 02/19/2007
Next Scheduled EDR Contact: 05/21/2007
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 01/04/2005
Date Data Arrived at EDR: 01/21/2005
Date Made Active in Reports: 02/28/2005
Number of Days to Update: 38

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 02/19/2007
Next Scheduled EDR Contact: 05/21/2007
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Minnesota, Mississippi and North Carolina.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/24/2006	Source: EPA Region 4
Date Data Arrived at EDR: 09/11/2006	Telephone: 404-562-8677
Date Made Active in Reports: 11/08/2006	Last EDR Contact: 02/19/2007
Number of Days to Update: 58	Next Scheduled EDR Contact: 05/21/2007
	Data Release Frequency: Semi-Annually

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: 02/19/2007	Source: EPA Region 8
Date Data Arrived at EDR: 02/27/2007	Telephone: 303-312-6271
Date Made Active in Reports: 04/04/2007	Last EDR Contact: 02/19/2007
Number of Days to Update: 36	Next Scheduled EDR Contact: 05/21/2007
	Data Release Frequency: Quarterly

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

Date of Government Version: 03/01/2007	Source: EPA Region 10
Date Data Arrived at EDR: 03/01/2007	Telephone: 206-553-2857
Date Made Active in Reports: 04/04/2007	Last EDR Contact: 02/19/2007
Number of Days to Update: 34	Next Scheduled EDR Contact: 02/21/2007
	Data Release Frequency: Quarterly

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: 12/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/19/2006	Telephone: 415-972-3372
Date Made Active in Reports: 01/29/2007	Last EDR Contact: 02/19/2007
Number of Days to Update: 41	Next Scheduled EDR Contact: 05/21/2007
	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: 09/06/2006	Source: EPA Region 7
Date Data Arrived at EDR: 10/04/2006	Telephone: 913-551-7003
Date Made Active in Reports: 11/08/2006	Last EDR Contact: 02/19/2007
Number of Days to Update: 35	Next Scheduled EDR Contact: 05/21/2007
	Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

Date of Government Version: 08/24/2006	Source: EPA Region 4
Date Data Arrived at EDR: 09/11/2006	Telephone: 404-562-9424
Date Made Active in Reports: 11/08/2006	Last EDR Contact: 02/19/2007
Number of Days to Update: 58	Next Scheduled EDR Contact: 05/21/2007
	Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land

Date of Government Version: 09/06/2006	Source: EPA Region 7
Date Data Arrived at EDR: 10/04/2006	Telephone: 913-551-7003
Date Made Active in Reports: 11/08/2006	Last EDR Contact: 02/19/2007
Number of Days to Update: 35	Next Scheduled EDR Contact: 05/21/2007
	Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/19/2007
Date Data Arrived at EDR: 02/27/2007
Date Made Active in Reports: 04/04/2007
Number of Days to Update: 36

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 02/19/2007
Next Scheduled EDR Contact: 05/21/2007
Data Release Frequency: Quarterly

INDIAN UST R5: Underground Storage Tanks on Indian Land

Date of Government Version: 12/02/2004
Date Data Arrived at EDR: 12/29/2004
Date Made Active in Reports: 02/04/2005
Number of Days to Update: 37

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 02/19/2007
Next Scheduled EDR Contact: 05/21/2007
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

Date of Government Version: 03/01/2007
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/04/2007
Number of Days to Update: 34

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 02/19/2007
Next Scheduled EDR Contact: 05/21/2007
Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land

A listing of underground storage tank locations on Indian Land.

Date of Government Version: 12/01/2006
Date Data Arrived at EDR: 12/01/2006
Date Made Active in Reports: 01/29/2007
Number of Days to Update: 59

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 02/19/2007
Next Scheduled EDR Contact: 05/21/2007
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

Date of Government Version: 01/11/2007
Date Data Arrived at EDR: 01/12/2007
Date Made Active in Reports: 01/29/2007
Number of Days to Update: 17

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 02/19/2007
Next Scheduled EDR Contact: 05/21/2007
Data Release Frequency: Semi-Annually

INDIAN UST R9: Underground Storage Tanks on Indian Land

Date of Government Version: 12/19/2006
Date Data Arrived at EDR: 12/19/2006
Date Made Active in Reports: 01/29/2007
Number of Days to Update: 41

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 02/19/2007
Next Scheduled EDR Contact: 05/21/2007
Data Release Frequency: Quarterly

EDR PROPRIETARY RECORDS

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

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

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

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

OTHER DATABASE(S)

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

CT MANIFEST: Hazardous Waste Manifest Data

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

Date of Government Version: 12/31/2004	Source: Department of Environmental Protection
Date Data Arrived at EDR: 02/17/2006	Telephone: 860-424-3375
Date Made Active in Reports: 04/07/2006	Last EDR Contact: 03/16/2007
Number of Days to Update: 49	Next Scheduled EDR Contact: 06/11/2007
	Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

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

Date of Government Version: 10/26/2006	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 11/29/2006	Telephone: 518-402-8651
Date Made Active in Reports: 01/05/2007	Last EDR Contact: 03/02/2007
Number of Days to Update: 37	Next Scheduled EDR Contact: 05/28/2007
	Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2005	Source: Department of Natural Resources
Date Data Arrived at EDR: 03/17/2006	Telephone: N/A
Date Made Active in Reports: 05/02/2006	Last EDR Contact: 04/09/2007
Number of Days to Update: 46	Next Scheduled EDR Contact: 07/09/2007
	Data Release Frequency: Annually

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Daycare Centers: Child Care List

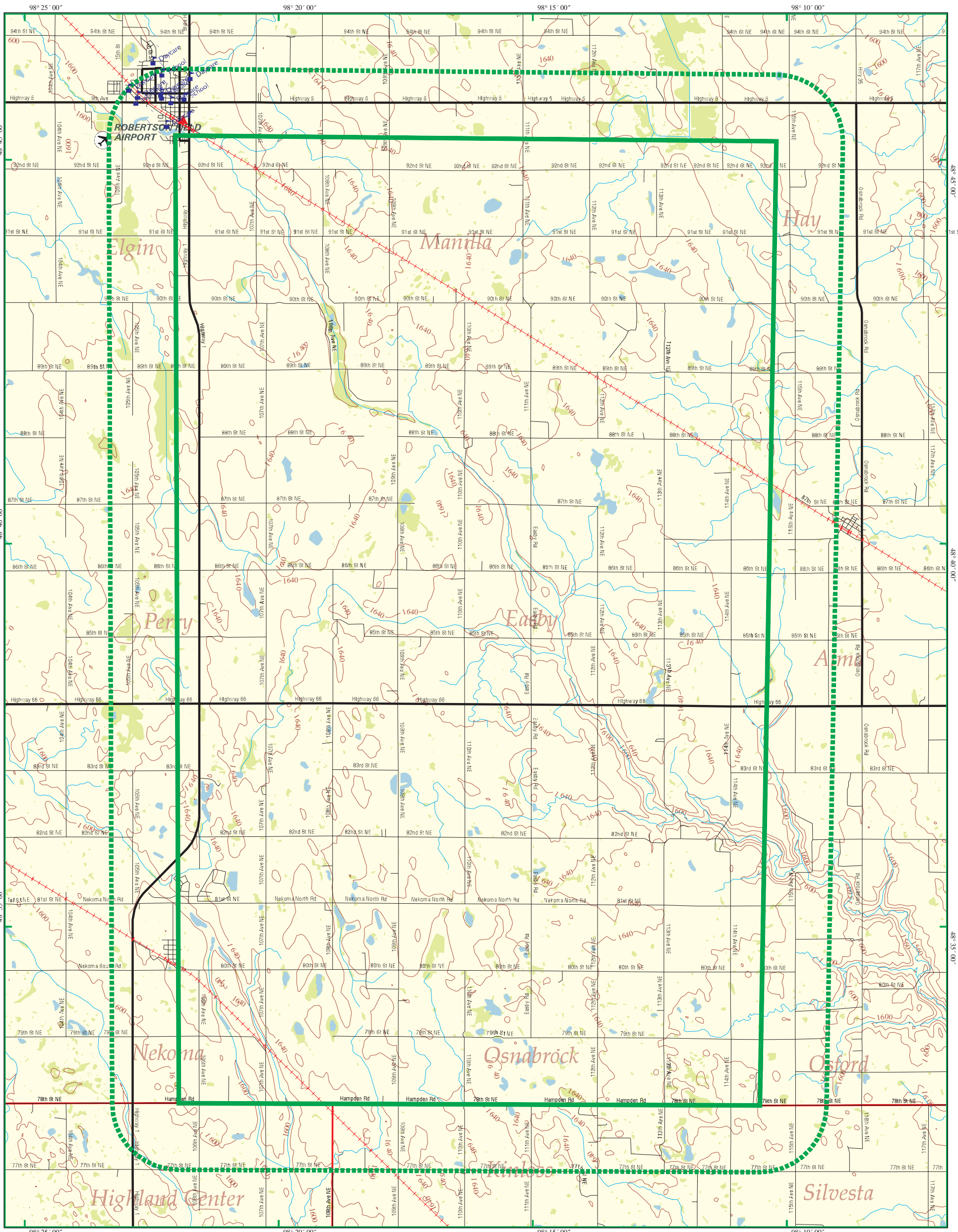
Source: Department of Human Services
Telephone: 701-328-2316

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

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

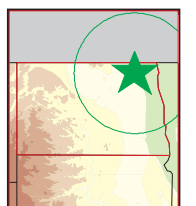
STREET AND ADDRESS INFORMATION

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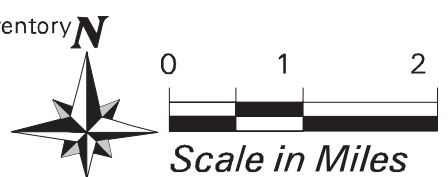
EDR DataMap® – Area Study

Langdon ESA



Langdon, ND

- | | | | |
|--|---------------|----------------------------|-------------------------|
| Listed Sites | Major Roads | Pipelines | Superfund Sites |
| Earthquake Epicenters (Richter 5 or greater) | Waterways | Powerlines | Federal DOD Sites |
| Search Boundary | Railroads | Fault Lines | Indian Reservations BIA |
| Roads | Contour Lines | Water | 100-Yr Flood Zones |
| | | National Wetland Inventory | |





APPENDIX D

Interview Documentation

**LANGDON WIND ENERGY CENTER
PHASE I ESA
Turbine Construction Project Questionnaire
Tetra Tech Project No. 1157551118A.100**

Contact Name Wesley E. Gronhovd
Address PO Box 115 Nekoma, ND 58355
Date 5/15/07
Time 0930
Phone Number 701-256-4329

1) Approximately how long have you owned the property?

1982

2) What is the historical primary land use?

Cropland

3) Do you have any knowledge or have you observed evidence of any spills (chemicals, petroleum, etc) on the subject or adjoining property?

No

4) Have you ever been cited by a regulatory agency for violations pertaining to environmental laws for the subject property?

No

5) To your knowledge have agriculturally related chemicals, fertilizers, pesticides, etc ever been applied in amounts or concentrations exceeding manufacturers recommended application rates?

No

**LANGDON WIND ENERGY CENTER
PHASE I ESA
Turbine Construction Project Questionnaire
Tetra Tech Project No. 1157551118A.100**

Contact Name Howard Hove
Address 8066 112th NE Fardale, ND 58229
Date 5/15/07
Time 0935
Phone Number 701-949-2743

1) Approximately how long have you owned the property?

Since 1954

2) What is the historical primary land use?

Agriculture

3) Do you have any knowledge or have you observed evidence of any spills (chemicals, petroleum, etc) on the subject or adjoining property?

Gas in farm equip.

4) Have you ever been cited by a regulatory agency for violations pertaining to environmental laws for the subject property?

No.

5) To your knowledge have agriculturally related chemicals, fertilizers, pesticides, etc ever been applied in amounts or concentrations exceeding manufacturers recommended application rates?

No.

**LANGDON WIND ENERGY CENTER
PHASE I ESA
Turbine Construction Project Questionnaire
Tetra Tech Project No. 1157551118A.100**

Contact Name Rose Lorenz.
Address 120 14 Ave. Langdon, ND 58248
Date 5/15/07
Time 0938
Phone Number 701-256-2933

1) Approximately how long have you owned the property?

50-60 years.

2) What is the historical primary land use?

Agriculture

3) Do you have any knowledge or have you observed evidence of any spills (chemicals, petroleum, etc) on the subject or adjoining property?

No.

4) Have you ever been cited by a regulatory agency for violations pertaining to environmental laws for the subject property?

No.

5) To your knowledge have agriculturally related chemicals, fertilizers, pesticides, etc ever been applied in amounts or concentrations exceeding manufacturers recommended application rates?

No.

**LANGDON WIND ENERGY CENTER
PHASE I ESA
Turbine Construction Project Questionnaire
Tetra Tech Project No. 1157551118A.100**

Contact Name June Roder
Address 8907 Coy 39 Osnaabrook, ND 58249
Date 5/15/07
Time 0941
Phone Number 701-496-3504

1) Approximately how long have you owned the property?

50 years.

2) What is the historical primary land use?

Ag.

3) Do you have any knowledge or have you observed evidence of any spills (chemicals, petroleum, etc) on the subject or adjoining property?

No.

4) Have you ever been cited by a regulatory agency for violations pertaining to environmental laws for the subject property?

No.

5) To your knowledge have agriculturally related chemicals, fertilizers, pesticides, etc ever been applied in amounts or concentrations exceeding manufacturers recommended application rates?

No.

**LANGDON WIND ENERGY CENTER
PHASE I ESA
Turbine Construction Project Questionnaire
Tetra Tech Project No. 1157551118A.100**

Contact Name Richard Sunberg.
Address 210 Park Harwood, MS 58042
Date 5/15/07
Time 0947
Phone Number 701-282-8968

1) Approximately how long have you owned the property?

Since 1991.

2) What is the historical primary land use?

ag (in fam 120 years)

3) Do you have any knowledge or have you observed evidence of any spills (chemicals, petroleum, etc) on the subject or adjoining property?

No.

4) Have you ever been cited by a regulatory agency for violations pertaining to environmental laws for the subject property?

No.

5) To your knowledge have agriculturally related chemicals, fertilizers, pesticides, etc ever been applied in amounts or concentrations exceeding manufacturers recommended application rates?

No.

**LANGDON WIND ENERGY CENTER
PHASE I ESA
Turbine Construction Project Questionnaire
Tetra Tech Project No. 1157551118A.100**

Contact Name Roger Walaski
Address 601 9th Ave. E Langdon, ND 58249
Date 5/15/07
Time 0951
Phone Number 701-370-8499 (cell)
701-256-2033 (home)

1) Approximately how long have you owned the property?

4 years.

2) What is the historical primary land use?

Ag.

3) Do you have any knowledge or have you observed evidence of any spills (chemicals, petroleum, etc) on the subject or adjoining property?

Not aware of.

4) Have you ever been cited by a regulatory agency for violations pertaining to environmental laws for the subject property?

No.

5) To your knowledge have agriculturally related chemicals, fertilizers, pesticides, etc ever been applied in amounts or concentrations exceeding manufacturers recommended application rates?

No.



NORTH DAKOTA
DEPARTMENT of HEALTH

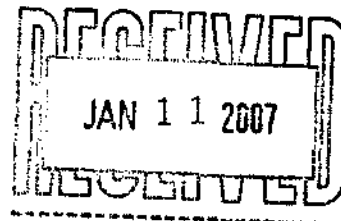
ENVIRONMENTAL HEALTH SECTION
Gold Seal Center, 918 E. Divide Ave.
Bismarck, ND 58501-1947
701.328.5200 (fax)
www.ndhealth.gov

7/10/06



January 5, 2007

Mr. Jeffrey R. Rice
Project Manager, Natural Resources
Tetra Tech, Inc.
P.O. Box 30615
Billings, MT 59107



Re: Proposed Langdon Wind Energy Center, Cavalier County

Dear Mr. Rice:

This department has reviewed the information concerning the above-referenced project submitted under date of December 21, 2006, with respect to possible environmental impacts.

This department believes that environmental impacts from the proposed construction will be minor and can be controlled by proper construction methods. With respect to construction, we have the following comments:

1. All necessary measures must be taken to minimize fugitive dust emissions created during construction activities. Any complaints that may arise are to be dealt with in an efficient and effective manner.
2. Care is to be taken during construction activity near any water of the state to minimize adverse effects on a water body. This includes minimal disturbance of stream beds and banks to prevent excess siltation, and the replacement and revegetation of any disturbed area as soon as possible after work has been completed. Caution must also be taken to prevent spills of oil and grease that may reach the receiving water from equipment maintenance, and/or the handling of fuels on the site. Guidelines for minimizing degradation to waterways during construction are attached.
3. Projects disturbing one or more acres are required to have a permit to discharge storm water runoff until the site is stabilized by the reestablishment of vegetation or other permanent cover. Further information on the storm water permit may be obtained from the Department's website or by calling the Division of Water Quality (701-328-5210). Also, cities may impose additional requirements and/or specific best management practices for construction affecting their storm drainage system. Check with the local officials to be sure any local storm water management considerations are addressed.
4. Noise from construction activities may have adverse effects on persons who live near the construction area. Noise levels can be minimized by ensuring that construction equipment is

Environmental Health
Section Chief's Office
701.328.5150

Division of
Air Quality
701.328.5188

Division of
Municipal Facilities
701.328.5211

Division of
Waste Management
701.328.5166

Division of
Water Quality
701.328.5210

Mr. Jeffrey R. Rice

2.

January 5, 2007

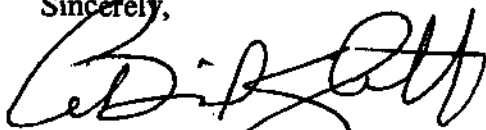
equipped with a recommended muffler in good working order. Noise effects can also be minimized by ensuring that construction activities are not conducted during early morning or late evening hours.

The department owns no land in or adjacent to the proposed improvements, nor does it have any projects scheduled in the area. In addition, we believe the proposed activities are consistent with the State Implementation Plan for the Control of Air Pollution for the State of North Dakota.

These comments are based on the information provided about the project in the above-referenced submittal. The U.S. Army Corps of Engineers may require a water quality certification from this department for the project if the project is subject to their Section 404 permitting process. Any additional information which may be required by the U.S. Army Corps of Engineers under the process will be considered by this department in our determination regarding the issuance of such a certification.

If you have any questions regarding our comments, please feel free to contact this office.

Sincerely,



L. David Glatt, P.E., Chief
Environmental Health Section

LDG:cc
Attach.



APPENDIX E

Qualifications of Environmental Professionals

JEFFREY R. RICE

Environmental Consulting Services Group Manager

EDUCATION

BS, Land Resources (Soil Science), Montana State University, 1982

EXPERIENCE SUMMARY

Mr. Rice has over 25 years of environmental consulting experience and has managed environmental, natural resource, soil and regulatory projects. He also has a wide range of experience in National Environmental Policy Act (NEPA) and natural resource projects including preparation of environmental impact statements (EISs), environmental assessments (EAs), and critical issue evaluations for mining, power plants, wind energy and other large scale industrial developments. He has served in an oversight capacity for landfill monitoring, petroleum hydrocarbon release, hazardous waste and other environmental regulatory consulting projects. Mr. Rice has facilitated Occupational Safety and Health Administration (OSHA) Hazardous Waste Operations and Emergency Response and U.S. Department of Transportation (DOT) hazardous materials training courses and Manager of Landfill Operations field classes for the Solid Waste Association of North America.

PROJECT EXPERIENCE

NEPA Process and Documentation (EIS and EA)

- **High Prairie Wind Farm EA, Mower County, Minnesota.** Project Manager responsible for managing the EA portion of a wind energy permit for a project that will include 43 2.3-MW turbines located in rural southeast Minnesota. Supervised preparation of a Phase I environmental site assessment (ESA) conducted to the recently released American Society for Testing and Materials and U.S. Environmental Protection Agency (EPA) All Appropriate Inquiry for an area covering approximately 12,000 acres. (2005 to 2006)
- **Crow Abandoned Mine Land Reclamation Program, Bighorn County, Montana.** As Project Manager, supervised reclamation of several abandoned coal mine sites. Projects required threatened and endangered species clearance, reclamation plans and specifications, and EA preparation. (2005)
- **City of Hardin Industrial Park Critical Issues Evaluation, Bighorn County, Montana.** As Project Manager, investigated and prepared a critical issues evaluation for potential development of an industrial park with a coal-fired generation facility and ethanol and asphalt plants. This evaluation included biological and regulatory issues, including potential NEPA requirements. (2005)
- **Wind Energy Project, FPL Energy Inc., Burleigh County, Minnesota.** As Project Manager, supervised preparation of an EA and resource evaluations for a 99.5 MW wind energy project conducted on an accelerated time schedule. Project area covered approximately 12,000 acres and potential routes of a 28-mile transmission line, including a crossing of the Missouri River. Principal environmental resources evaluated included wetlands, land use, raptor activity (including nest surveys), and grassland bird activity. (2005)
- **Dry Valley Mine EIS, Bureau of Land Management (BLM), Caribou County, Idaho.** As Project Scientist, reviewed site soils and wetland mapping and prepared the soils section for a resulting EIS. Recent selenium toxicity problems with area livestock required additional study on selenium bio-availability and source rock identification. These studies indicated changes in historic reclamation practices were needed to reduce the selenium bio-availability potential. (2001)
- **BLM Emigrant Mine Project EIS, Elko County, Nevada.** As Project Scientist, assisted with preparation of the affected environment and consequences sections of this EIS for potential construction of an open pit gold mine covering approximately 1,350 acres of additional disturbance. (2004)

CERCLA / RCRA Site Investigations

- **Transbas Herbicides Facility Groundwater Bioremediation, Billings, Montana.** As Project Scientist, monitored reporting of the groundwater pump-and-treat bioremediation system for a Resource

Conservation and Recovery Act (RCRA) facility involved in corrective action and closure activities. Submitted RCRA Part B permit. (1996)

Environmental Compliance Audits

- ***Environmental Compliance Audit, Pipeline / Truck Terminal and Dock Loading Facility, Vancouver, Washington.*** As Project Scientist, conducted a facility-wide environmental, health and safety review of the Cenex pipeline and truck terminal and Columbia River dock loading facility. Assessed compliance with State of Washington, DOT, EPA, and uniform fire code regulations. Wrote the oil spill contingency plan for the facility. State of Washington rules require a facility to assess all downstream environmental sensitive areas and develop clean-up contingency plans for these factors. (1996)
- ***Daily Newspaper Waste Audit, Northwestern United States.*** Project Manager for waste stream audit. Waste streams included materials originating from the photography studio, general office area, loading dock and print shop. Corrected a notice of violation issued by the state regulatory agency for accumulation of waste inks and solvents, accomplished primarily by appropriate disposal of wastes and separation of waste streams. Modified several waste stream disposal procedures and prepared a response to the state regulatory agency regarding future waste ink disposal procedures. Conducting laboratory analytical tests and segregating waste streams dramatically reduced the overall yearly hazardous waste generation by the facility. (1997)
- ***Chemical Analytical Laboratory Waste Audit, Northern Plains Region.*** As Project Scientist, conducted a waste audit for an analytical laboratory that conducted chemical analyses on soil, water and refined petroleum products. Major issues included determining the appropriate designation for waste products that contacted solvents during analytical procedures. (1998)
- ***Facility and Waste Disposal Procedure Reviews, Northern Great Plains.*** As Project Manager, conducted reviews for several heavy equipment sales and maintenance facilities that contained equipment pressure wash stations, dynamometer facilities, welding and sandblast facilities and parts washers. Review resulted in considerable revisions of materials used and a subsequent decrease in waste disposal costs and the volume of hazardous waste generation. Oversaw plan development and construction of wastewater treatment facilities and evaporation ponds. (1993 to 2006)
- ***U.S. Postal Services (USPS) Facility Waste Audit, Billings, Montana.*** Project Scientist. Conducted a facility waste audit for the General Mail Facility. The inspection and audit included relevant sections of national environmental and USPS regulations. Issues included separation of solvent and ink waste streams, initiation of a universal waste holding and recycling facilities and holding requirements for potentially hazardous materials sent through the mail system. (1999)
- ***Petroleum Products Pipeline Terminals Regulatory Management Reviews, Midwest and Northwest United States.*** As Project Scientist, conducted facility regulatory management reviews for several petroleum pipeline and truck terminals. Prepared spill prevention, control and countermeasure, emergency response and contingency plans. The regulatory reviews of each facility included EPA and OSHA regulations. (1997)

Hydrocarbon / LUST Investigation / Mitigation

- ***Underground Storage Tank (UST) Products Release, Reedpoint, Montana.*** Project Manager responsible for investigation and remediation of an UST products release at Reedpoint Sinclair that impacted nine domestic groundwater supply wells. The site, listed as a top five priority project by the Montana Department of Health and Environmental Sciences, required public notification and awareness activities. Remedial activities included installation of water treatment systems for local residences, excavation of approximately 4,000 cubic yards of soil, landfarming of petroleum-impacted soil, petroleum products distribution system upgrade and installation of a soil vapor extraction and air sparge system. (1994 to present)
- ***Petroleum Products Release Site in Difficult Hydrogeological Setting, Miles City, Montana.*** Project Manager responsible for remedial activities related to a multiple petroleum products release site. Dewatered existing UST basins, excavated soil and installed a product cut-off trench utilizing a product

recovery pump and groundwater drawdown pump with the associated wastewater treatment system. (1994 to 2000)

- **Leaking UST (LUST) Products Releases, Montana and Wyoming.** Project Manager responsible for investigation and remediation of LUSTs at dozens of retail and wholesale facilities throughout Montana and Wyoming. Responsible for all facets of release investigations and remedial actions. (1992 to present)

Environmental Site Investigations

- **Industrial Facility Hazardous Waste Remedial and Disposal Activities, Montana.** Project Scientist. Assisted a heavy equipment maintenance and fabrication facility close past wastewater, laboratory, waste oil and chrome plating operations. This project site had numerous impacts that were delineated and closed within restricted budgets and timelines. Assisted the client in changing waste disposal management systems to handle waste materials according to current regulations. Contaminants included solvents, heavy metals and petroleum products. (2000)
- **Environmental Site Investigations, Pipeline Terminals and Compressor Stations, Northern Great Plains.** As Project Scientist, conducted site investigations, waste identification, disposal, release investigations and clean-ups at former natural gas compressor and crude oil pumping stations throughout the northern Great Plains region. (1999)
- **Crude Oil Gathering System Site Investigation, Central Montana.** Project Manager / Investigator responsible for conducting a site investigation and record search for a major oil company's abandonment plans for a former crude oil gathering system. This system covered approximately 30 miles of pipeline and contained approximately 16 facilities. Conducted additional investigations and remedial actions at several facility locations to reduce the company's liability upon abandoning the system. (2003)

Landslide Investigation and Analysis

- **USDA-Forest Service (USFS) Studies, Montana, Wyoming, Utah.** Soil Scientist responsible for mapping soil/vegetation landform complexes. Conducted project studies for watershed improvement projects, flood and landslide damage evaluations, road construction and relocations, coal mine plan evaluations and timber sales. Participated in regeneration and clipping studies and reviewed forest coal mine plans. (1996)

Hazardous / Industrial Waste Management / Minimization

- **Waste Material Disposals, Wyoming.** As Project Scientist, assisted the National Park Service with disposal of over 200 drums of hazardous and non-hazardous waste materials. Responsible for field screening and profiling waste materials and arranging for disposal of all wastes. Re-packaging and consolidation of wastes significantly reduced the potential waste disposal costs. (1998)
- **Chemical Waste Identification and Disposal, Cody, Wyoming.** As Project Manager, assisted the Cody School District identify and dispose of hundreds of small volume containers of laboratory grade chemicals dating back to the early 1950s. Negotiated with the State of Wyoming for extension of holding times of the lab-packed chemicals at a school district facility. Saved cost by field-screening the wastes to identify those that could be disposed of as non-hazardous. Presented recommendations on future storage and provided a database for the remaining chemical storage. (2003)

Landfill Investigations/Engineering

- **Billings Sanitary Landfill Investigation, Billings, Montana.** Project Manager responsible for environmental concerns at Montana's largest solid waste disposal facility. Tasks include hydrogeologic assessment, development of groundwater and methane monitoring programs and installation of a modified passive methane mitigation system to reduce off-site migration of landfill gasses. (1992 to present)

Abandoned Mine Reclamation

- **USFS Reclamation Plan Preparation, Riley Pass, South Dakota.** As Soil Scientist, developed a reclamation plan for an abandoned uranium lignite mine operating under a U.S. Department of Energy contract. Concerns included an arid climate, extensive soil piping and difficult soil chemistry conditions (acidic and sodic soils). (1992)

- **Wyoming Department of Environmental Quality Reclamation Plan, Newcastle, Wyoming.** As Soil Scientist, prepared a soils reclamation plan for several abandoned bentonite mines in northeastern Wyoming. Due to shallow native soils, revegetation of the sites had to be conducted in the reworked spoil piles using newly researched reclamation techniques. (1989)

Petroleum Release Investigations and Remediation

- **Petroleum Pipeline Emergency Response and Corrective Actions, Montana.** Project Scientist responsible for emergency response and corrective actions at a gasoline pipeline break impacting a major irrigation return flow ditch and storm drain return flow ditch that entered the Yellowstone River. During the investigation, a release from the floor of a 2-million gallon aboveground diesel storage tank adjacent to the site was also discovered. Remedial activities included installation of an open trench bio-remediation system using nutrient feed and trickling filters and hydrogen peroxide. Utilized a total fluids pump-and-treat system with surface application of the wastewater for clean-up. (2001)
- **Refined Petroleum Pipeline Emergency Response and Corrective Action, Glendive, Montana.** Project Manager. Managed environmental concerns resulting from a 40,000-barrel gasoline release from a refined petroleum products pipeline adjacent to a small stream located upstream from the City of Glendive drinking water intake. Impacts to the river were detected at the intake. Remedial activities included excavation of the wetland and adjacent stream bank. During the excavation the stream was diverted and the wetland de-watered. The stream and wetland were reclaimed following excavation. (2003 to 2005)
- **Tanker Truck Rollovers Emergency Response and Corrective Action, Montana and Wyoming.** Project Manager responsible for emergency response /corrective actions at the following sites for gasoline and diesel fuel tanker truck roll-over releases. Releases often involved impacts to local irrigation waters.
 - Hinze Oil Company (approximately 4 miles south of Bridger, MT). Diesel fuel was released into irrigation system and petroleum sheen was observed in excess of 3 miles down stream/ditch. (2003)
 - Federated Insurance/Bailey Enterprises (approximately 3 miles south of Bridger, MT). Gasoline release in borrow ditch and adjacent irrigated field. Wells installed and site remains in monitoring phase. (2002)
 - Federated Insurance/Bailey Enterprises (approximately 19 miles north of Riverton, WY). Gasoline released into borrow ditch at remote location – site has been closed. (2003)
 - Federated Insurance/Bailey Enterprises (approximately 20 miles south of Riverton, WY). Diesel fuel was released into and adjacent creek/irrigation return flow system. Site has been closed. (2002)
 - CHS Transportation (approximately 10 miles south of Bridger, MT). Crude oil released into borrow ditch- excavation and groundwater treatment was conducted- site is active. (2005)

Water Supply Investigation / Development

- **Irrigation Suitability Land Classification Studies, Western United States.** Soil Scientist responsible for Department of Justice irrigation suitability land classification studies for potential water rights adjudication in numerous Native American reservations throughout the West. Supervised soil mapping crews, soil/water testing programs and development of court exhibits. (1989)

Soil Science

- **Proposed Emigrant Mine Soil Survey, Northern Nevada.** Project Lead for an Order II soil survey of approximately 1,400 acres to support preparation of an EIS for Newmont Gold's proposed Emigrant Mine. Survey was conducted in less than six months. Soils in this region were highly complex due to age, topographic, geologic and climatic variations. Due to the history of fire in the area, vegetation did not provide reliable delineation assistance. (2004)
- **Proposed Collum Mine Soil Survey, Northern Colorado.** Project Lead for an Order II soil survey on 12,000 acres of land that crossed several vegetative and climatic zones. Identified several new soil families and a previously unknown area of volcanic/loess. Survey was completed within the required time frame of six months. (2005)

PROFESSIONAL AFFILIATIONS

Association of Ground Water Scientists and Engineers

CONTINUING EDUCATION

40-hr OSHA HAZWOPER, 1990

8-hr OSHA HAZWOPER Refresher, March 2006

Koch-EH&S Excavation Permit Standards, January 2005

Conoco Refinery Health and Safety Training, 1993, 1994

Comprehensive First Aid/First Response Training, May 2004

Environmental Audits Training, 1999

PROFESSIONAL EMPLOYMENT HISTORY

Environmental Consulting Services Group Manager, Tetra Tech, Inc., 2001 to Present

Environmental Scientist and Regulatory Consultant, Tetra Tech, Inc., 1992 to 2001

Environmental Scientist and Regulatory Consultant, LSE, Inc., 1989 to 1992

Soil Scientist, HKM & Associates, Inc., 1984 to 1989

Soil Scientist, USDA-Fore, 1982 to 1984

HAVEN WESTERMAN

Environmental Scientist

EDUCATION

BS, Biology, Montana State University, 2002

EXPERIENCE SUMMARY

Ms. Westerman has over five years of experience performing natural resource investigations, including geographic information systems fieldwork, Phase I environmental site assessments (ESAs), permitting, and regulatory compliance. Tasks also include monitoring and sampling support for remediation sites.

PROJECT EXPERIENCE

Natural Resource Exploration and Production

- **Coal-Bed Methane Reconnaissance, Wyoming.** As Staff Scientist, performed site reconnaissance of potential coal-bed methane areas of development. Created global positioning system data library collect relevant field information. Wrote desktop, reconnaissance, and feasibility reports. Provided monitoring and sampling support for several areas of development. (2005 to 2006)

Hydrocarbon / LUST Investigation / Mitigation

- **Leaking Underground Storage Tank (LUST) Program Regulation, Hawaii.** Environmental Health Specialist responsible for supervising the regulatory status of approximately 70 LUST sites throughout the state. Reviewed environmental reports and verified compliance status with Hawaii Administrative Rules. Ensured veracity of analytical data submitted to the Hawaii Dept. of Health. (2004 to 2005)

Chemical Analysis

- **Soil and Water Sample Analysis, Alaska.** As Analytical Chemist, performed soil and water extraction of diesel and residual range organics according to Alaska state methods. Analyzed extracted samples using gas chromatography and correlating software. Compiled raw laboratory data into client reports for the project manager. Performed daily quality control and quality assurance for all instruments and wrote standard operating procedures relating to instrument operations. (2002 to 2004)

NEPA Process and Documentation

- **Archaeological Site Assessments, Montana.** As Biological Sciences Aide, co-authored ESAs of archaeologically sensitive sites. Created database for sites of archaeological importance. (2002)

CONTINUING EDUCATION

40-hr OSHA HAZWOPER, 2005

8-hr OSHA HAZWOPER Refresher, June 2006

PROFESSIONAL EMPLOYMENT HISTORY

Environmental Scientist, Tetra Tech, Inc., 2006 to Present

Environmental Health Specialist, Hawaii Dept. of Health, 2005 to 2006

Components Technician, Blood Bank of Alaska, 2004

Analytical Chemist, Analytica Alaska, 2002 to 2004

Biological Sciences Aide, Montana Bureau of Reclamation, 2002



APPENDIX F

References



References

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Arndt, M.B. 1975. Geology of Cavalier and Pembina Counties, Bulletin 62-Part 1. North Dakota Geological Survey, Grand Forks, North Dakota.

North Dakota State Water Commission. 2007. Map and Data Resources – Ground and Surface Water Data Query. Available URL:

<http://www.swc.state.nd.us/4dlink2/4dcgi/wellsearchform/Map%20and%20Data%20Resources>.

U.S. Department of Agriculture. 2002. NRCS North Dakota Soil Survey Staff, Natural Resources Conservation Service, United States Department of Agriculture. Official Soil Series Descriptions. Available URL: <http://soils.usda.gov/technical/classification/osd/index.html>.