



December 28, 2016

Mr. Todd Davis  
Site Assessment Manager  
U.S. Environmental Protection Agency, Region 7  
11201 Renner Blvd.  
Lenexa, Kansas 66219

**Subject: Phase I Targeted Brownfields Assessment  
Ponca Tribal Headquarters  
Niobrara, Knox County, Nebraska  
EPA Region 7, START 4, Contract No. EP-S7-13-06, Task Order No. 0002.019.024  
Task Monitor: Todd Davis, Site Assessment Manager**

Dear Mr. Davis:

Tetra Tech, Inc. is submitting the enclosed Phase I Targeted Brownfields Assessment (TBA) report regarding the Ponca Tribal Headquarters in Niobrara, Nebraska. The goal of the TBA is to identify recognized environmental conditions (REC), historical RECs, and controlled RECs associated with the subject property. This TBA was completed in accordance with industry standard practice for Phase I Environmental Site Assessments.

If you have any questions or comments regarding this submittal, please call the Project Manager at (816) 412-1768.

Sincerely,

A handwritten signature in blue ink that reads 'Kaitlyn Bahr'.

Kaitlyn Bahr  
START Project Manager

A handwritten signature in blue ink that reads 'Ted Faile'.

Ted Faile, PG, CHMM  
START Program Manager

Enclosures

cc: Debra Dorsey, START Project Officer (cover letter only)

**PHASE I TARGETED BROWNFIELDS ASSESSMENT**

**PONCA TRIBAL HEADQUARTERS  
NIOBRARA, NEBRASKA**

**Superfund Technical Assessment and Response Team (START) 4**

**Contract No. EP-S7-13-06, Task Order No. 0002.019.024**

Prepared For:

U.S. Environmental Protection Agency  
Region 7  
11201 Renner Blvd.  
Lenexa, Kansas 66219

December 28, 2016

Prepared By:

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# CONTENTS

<u>Section</u>	<u>Page</u>
EXECUTIVE SUMMARY .....	ES-1
1.0 INTRODUCTION .....	1
1.1 PURPOSE.....	1
1.2 SCOPE OF WORK.....	2
1.3 SIGNIFICANT ASSUMPTIONS.....	2
1.4 DEVIATIONS .....	2
1.5 LIMITATIONS AND EXCEPTIONS.....	3
1.6 SPECIAL TERMS AND CONDITIONS .....	3
1.7 STATEMENT OF USER RELIANCE.....	3
2.0 SITE LOCATION AND LEGAL DESCRIPTION .....	4
2.1 SITE LOCATION AND LEGAL DESCRIPTION .....	4
2.2 SITE AND VICINITY GENERAL CHARACTERISTICS.....	4
2.3 CURRENT AND PAST USES OF THE SITE .....	4
2.4 DESCRIPTIONS OF STRUCTURES, ROADS, AND OTHER IMPROVEMENTS ON THE SITE .....	4
2.5 CURRENT AND PAST USES OF ADJOINING/SURROUNDING PROPERTIES .....	5
2.6 GEOLOGIC, HYDROGEOLOGIC, HYDROLOGIC, AND TOPOGRAPHIC CONDITIONS .....	5
2.6.1 Topography.....	5
2.6.2 Geologic Setting .....	5
2.6.3 Hydrogeology .....	5
2.6.4 Hydrology .....	6
3.0 USER-PROVIDED INFORMATION .....	7
3.1 EXISTING STRUCTURE INFORMATION AND DRAWINGS.....	7
3.2 SUMMARY OF TITLE INFORMATION.....	7
3.3 ENVIRONMENTAL LIENS OR ACTIVITY AND USE LIMITATIONS .....	7
3.4 SPECIALIZED KNOWLEDGE.....	7
3.5 OWNER, SITE MANAGER, AND OCCUPANT INFORMATION .....	7
3.6 REASON FOR PERFORMING PHASE I TBA .....	7
4.0 SITE RECONNAISSANCE .....	8
4.1 METHODOLOGY AND LIMITING CONDITIONS .....	8
4.2 GENERAL SITE SETTING.....	9
4.2.1 Site Description.....	9
4.2.2 Exterior Observations .....	9
4.2.3 Interior Observations .....	9

## CONTENTS (Continued)

<u>Section</u>	<u>Page</u>
4.3	SPECIFIC RECONNAISSANCE ITEMS ..... 9
4.3.1	Hazardous Substances and Petroleum Products ..... 9
4.3.2	Hazardous Waste ..... 10
4.3.3	Landfills, Dumps, Burials, or Solid Waste Disposal ..... 10
4.3.4	Storage Tanks ..... 10
4.3.5	Polychlorinated Biphenyls-containing Equipment ..... 10
4.3.6	Heating, Ventilation, and Air Conditioning System and Fuel Source ..... 10
4.3.7	Drains, Sumps, Pools of Liquids, Standing Water, Cisterns, and Cesspools..... 10
4.3.8	Pits, Ponds, and Lagoons ..... 10
4.3.9	Stains or Corrosion and Stained Soil or Pavement ..... 11
4.3.10	Areas of Dead, Distressed, Discolored, or Stained Vegetation ..... 11
4.3.11	Possible Fill, Grading, or Solid Waste Disposal ..... 11
4.3.12	Smells of Chemical Gases, Petroleum Products, or Noxious Odors ..... 11
4.3.13	Wastewater and Stormwater Systems and Discharges ..... 11
4.3.14	Wells and Potable Water Supply ..... 11
4.3.15	Other Site-specific Environmental Conditions ..... 11
4.4	VICINITY RECONNAISSANCE..... 11
5.0	INTERVIEWS ..... 12
5.1	INTERVIEW WITH OWNER ..... 12
5.2	INTERVIEWS WITH KEY SITE MANAGER..... 12
5.3	INTERVIEWS WITH CURRENT OCCUPANTS ..... 12
5.4	INTERVIEWS WITH PAST SITE OWNERS/OCCUPANTS..... 12
5.5	INTERVIEWS WITH LOCAL/STATE GOVERNMENT OFFICIALS..... 12
6.0	RECORDS REVIEW..... 13
6.1	ENVIRONMENTAL RECORDS SOURCES ..... 13
6.1.1	Environmental Database Search ..... 13
6.1.2	Vapor Encroachment Screen ..... 14
6.1.3	Valuation Reduction for Environmental Issues ..... 15
6.1.4	Engineering and Institutional Controls ..... 15
6.1.5	Title Records..... 15
6.2	HISTORICAL USE INFORMATION REGARDING THE SITE AND ADJOINING PROPERTIES ..... 16
6.2.1	Historical Property Ownership ..... 16
6.2.2	Sanborn Map Report..... 16
6.2.3	Aerial Photographs ..... 17
6.2.4	Historical Topographic Maps ..... 18
6.2.5	City Directories..... 19
6.2.6	Previous Reports..... 20

## CONTENTS (Continued)

<b><u>Section</u></b>	<b><u>Page</u></b>
7.0 FINDINGS AND OPINIONS.....	21
8.0 CONCLUSIONS AND RECOMMENDATIONS .....	22
9.0 CERTIFICATION STATEMENT.....	23
10.0 REFERENCES .....	24

## APPENDICES

### **Appendix**

A	STATEMENT OF WORK
B	FIGURES
C	SITE PHOTOGRAPHS
D	INTERVIEW DOCUMENTATION AND USER-PROVIDED INFORMATION
E	EDR RADIUS MAP WITH GEOCHECK
F	HISTORICAL USE DOCUMENTATION
	F-1 HISTORICAL PROPERTY OWNERSHIP
	F-2 HISTORICAL SANBORN MAP SEARCH
	F-3 HISTORICAL AERIAL PHOTOGRAPHS
	F-4 HISTORICAL TOPOGRAPHIC MAPS
	F-5 HISTORICAL CITY DIRECTORY SEARCH
G	RESUMES

## TABLES

<b><u>Table</u></b>	<b><u>Page</u></b>
6-1 CHAIN OF TITLE SUMMARY .....	16
6-2 SUMMARY OF AERIAL PHOTOGRAPHS .....	17
6-3 SUMMARY OF HISTORICAL TOPOGRAPHIC MAPS .....	19
6-4 SUMMARY OF HISTORICAL CITY DIRECTORIES .....	19

## EXECUTIVE SUMMARY

The Tetra Tech, Inc. (Tetra Tech) Region 7 Superfund Technical Assessment and Response Team (START) was tasked by the U.S. Environmental Protection Agency (EPA) Region 7 Superfund Division to conduct a Phase I Targeted Brownfields Assessment (TBA) of an approximately 2-acre property at 2523 Woodbine Street in Niobrara, Knox County, Nebraska (subject property). The subject property was historically a feed store until use as the Ponca Tribe of Nebraska's Health Services building. The building is now vacant and used to store office supplies and furniture.

The Ponca Tribe of Nebraska requested assistance under the TBA program from EPA Region 7 to assess current environmental conditions at the subject property. START generally conducted this TBA in accordance with the *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*, ASTM International (ASTM) International designation E 1527-13 (ASTM 2013), and otherwise in compliance with EPA's "All Appropriate Inquiries" Rule (AAI Rule) (40 *Code of Federal Regulations* [CFR] Part 312).

Purposes of the TBA were to identify recognized environmental conditions (REC), historical RECs (HREC), and controlled RECs (CREC) associated with the subject property, and to identify the nature of contamination and risks posed by the contamination, if present.

### **Findings and Opinions**

No known or suspect environmental conditions in connection with the subject property were noted during this ESA.

### **Recommendations**

Based on the results of this Phase I ESA, START does not recommend any further investigation at this time.

## 1.0 INTRODUCTION

The Tetra Tech, Inc. (Tetra Tech) Region 7 Superfund Technical Assessment and Response Team (START) was tasked by the U.S. Environmental Protection Agency (EPA) Region 7 Superfund Division to conduct a Phase I Targeted Brownfields Assessment (TBA) of an approximately 2-acre property at 2523 Woodbine Street in Niobrara, Knox County, Nebraska (subject property). The subject property is owned by the Ponca Tribe of Nebraska. The subject property is currently a vacant building used for office supply and furniture storage. Historically, the subject property building was used for the tribe's health center, and a garage or shed was on the eastern portion of the subject property; exact use of the garage or shed is unknown, and the concrete foundation is all that remains.

START conducted this TBA in accordance with the *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*, ASTM International (ASTM) designation E1527-13 (ASTM 2013), and otherwise in compliance with EPA's "All Appropriate Inquiries" Rule (AAI Rule) (Title 40 *Code of Federal Regulations* [CFR] Part 312). For the purpose of this TBA, the *users* are defined as EPA and the Ponca Tribe of Nebraska (Omaha Tribe) (ASTM 2013 [Section 3.2.98]). EPA tasked START to conduct a TBA of the subject property to identify (1) recognized environmental conditions (REC), historical RECs (HREC), and controlled RECs (CREC) associated with the property; and (2) the nature of contamination and risks posed by the contamination, if present (see Appendix A).

### 1.1 PURPOSE

The primary goal of this TBA is to identify RECs, HRECs, and CRECs to the subject property. A REC is presence or likely presence of any hazardous substance or petroleum product in, on, or at a subject property: (1) due to any release to the environment, (2) under conditions indicative of a release to the environment, or (3) under conditions that pose a material threat of a future release to the environment. The term includes hazardous substances or petroleum products, even under conditions in compliance with laws. The term is not intended to include de minimis conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies (ASTM 2013 [Section 1.1.1]). An HREC is a past release of any hazardous substance or petroleum product that has occurred in connection with the subject property, and has been addressed to the satisfaction of the applicable regulatory authority, or has met unrestricted use criteria established by a regulatory authority without subjecting the subject property to any required controls (ASTM 2013 [Section 3.2.42]). A CREC is a REC resulting from a past release of hazardous substances of petroleum products that has been

addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to implementation of required controls (ASTM 2013 [Section 3.2.18]).

This TBA is intended to satisfy one of the requirements for the innocent landowner defense, the contiguous property exemption, and the bona fide prospective purchaser exemption to Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) liability: that is, the practices that constitute “all appropriate inquiry into the previous ownership and uses of the subject property consistent with good customary practice,” as defined in 42 *U.S. Code* Section 9601 (35)(B).

## **1.2 SCOPE OF WORK**

EPA developed a scope of work (SOW) for TBA activities at the subject property. The SOW, based on ASTM designation E1527-13, was to identify RECs, HRECs, and CRECs to the subject property. Phase I TBAs typically are conducted in a four-phase process, including: (1) records review, (2) site reconnaissance; (3) interviews with current and previous owners and occupants of the subject property, adjacent property owners and occupants, and local government agencies; and (4) preparation of a report. The EPA SOW is in Appendix A.

Any items listed in the ASTM standard that the report does not specifically identify as present can be assumed not present within the subject property or within such distance to the subject property as to be of potential concern to the subject property. Any item mentioned but not specifically identified as a REC, HREC, or CREC can be assumed not a REC, HREC, or CREC.

## **1.3 SIGNIFICANT ASSUMPTIONS**

The following are beyond the scope of this evaluation: sampling and analysis for radon in indoor air, and for lead in drinking water; evaluations of indoor and/or outdoor air quality, regulatory compliance, industrial hygiene, and noise impacts; and identification of geological or geotechnical hazards.

## **1.4 DEVIATIONS**

Deletions or deviations from ASTM E 1527-13 or the SOW are as follows. For each deviation noted, the Tetra Tech Environmental Professional (EP) has conducted an analysis of the data gaps or failures, and impacts of these on Tetra Tech’s ability to render an opinion regarding conditions indicative of releases or threatened releases of petroleum products or hazardous substances.

- No interviews with adjacent property owners or occupants other than Omaha Tribe of Nebraska personnel were conducted. ASTM Practice E 1527-13 does not require interviews with adjacent property owners unless a property has been abandoned and potential unauthorized uses or evidence of uncontrolled access to the abandoned property is evident. Documentation and observations indicate that the subject property is currently used by the Ponca Tribe of Nebraska for storage. The EP believes that information obtained from other adjacent property owners or occupants likely would not be additional to that obtained from other sources.
- Tetra Tech did not perform an environmental lien search for completion of this report, but no environmental liens were noted in the documentation provided by the users.

## **1.5 LIMITATIONS AND EXCEPTIONS**

This report was based partially on information supplied to START from outside sources and on other information available in the public domain. The conclusions and opinions reported herein are based on the information START obtained in compiling the report. This information is on file at START's office in Kansas City, Missouri. START makes no warranty as to the accuracy of statements made by others which may be contained in the report, nor are any other warranties or guarantees, expressed or implied, included or intended by the report except that it has been prepared in accordance with the current generally accepted practices and standards consistent with the level of care and skill exercised under similar circumstances by other professional consultants or firms performing the same or similar services. Because the facts forming the basis for the report are subject to professional interpretation, differing conclusions could be reached. START does not assume responsibility for the discovery and elimination of hazards that could possibly cause accidents, injuries, or damage. Compliance with submitted recommendations or suggestions does not assure elimination of hazards or the fulfillment of the client's obligations under local, state, or federal laws or any modifications or changes to such laws. None of the work performed hereunder shall constitute or be represented as a legal opinion of any kind or nature, but shall be a representation of findings of fact from records examined.

## **1.6 SPECIAL TERMS AND CONDITIONS**

There were no special terms or conditions for the TBA.

## **1.7 STATEMENT OF USER RELIANCE**

START is not required to verify independently the information provided to it by the user or gathered throughout the course of this TBA. For this TBA, EPA Region 7 and the Ponca Tribe may rely on information provided unless knowledge is possessed that certain information is incorrect based on additional information obtained during the TBA or otherwise known by the person preparing this report.

## **2.0 SITE LOCATION AND LEGAL DESCRIPTION**

This section briefly describes the subject property and the physical setting based on information obtained from EPA Region 7, the Ponca Tribe of Nebraska, and a records review prior to the site reconnaissance. Observations during the site reconnaissance regarding current land uses at the subject property and adjoining properties are described in Section 4.0.

### **2.1 SITE LOCATION AND LEGAL DESCRIPTION**

For the purposes of this TBA, the subject project is an approximately 2-acre area (see Appendix B, Figure 2). The property is owned by the Ponca Tribe of Nebraska. The subject property is at 2523 Woodbine Street in Niobrara, Knox County, Nebraska (see Appendix B, Figure 2).

The subject property is depicted on the U.S. Geological Survey (USGS) 7.5-minute series Niobrara, Nebraska topographic quadrangle map (USGS 1950) in the northeast ¼ of Section 17, Township 32 North, Range 6 West (see Figure 1, Appendix B). Coordinates at the approximate center of the subject property are 42° 45' 6.08" north latitude and 98° 1' 59.54" west longitude.

### **2.2 SITE AND VICINITY GENERAL CHARACTERISTICS**

The subject property is in a mixed commercial and residential area on the north side of Niobrara, Nebraska. Figure 2 in Appendix B illustrates the subject property location and boundaries. The subject property encompasses approximately 2 acres. The subject property is bounded north by a vacant lot with Maple Street beyond; east by vacant lots; south by the tribal headquarters building and the transit storage building, with Woodbine Street beyond; and west by an automotive dealership.

### **2.3 CURRENT AND PAST USES OF THE SITE**

The subject property is currently a vacant building used for office supply and furniture storage. Historically, the subject property building was used for the tribe's health center, and a garage or shed was on the eastern portion of the subject property; exact use of the garage or shed is unknown, and the concrete foundation is all that remains.

### **2.4 DESCRIPTIONS OF STRUCTURES, ROADS, AND OTHER IMPROVEMENTS ON THE SITE**

A one-story structure with a basement is on the subject property. The structure is currently vacant and used by the tribe to store office supplies and furniture. A parking lot is north of the structure. A concrete

foundation is on the eastern portion of the subject property. Exact use of the former structure is unknown; however, it may have been used as a small garage or shed. No other structures, roads, or other improvements are on the subject property.

## **2.5 CURRENT AND PAST USES OF ADJOINING/SURROUNDING PROPERTIES**

Areas surrounding the subject property were primarily used for commercial or residential purposes according to all historical documentation reviewed (and based on historical aerial photographs and topographic maps). Current uses of the surrounding area are commercial and residential.

## **2.6 GEOLOGIC, HYDROGEOLOGIC, HYDROLOGIC, AND TOPOGRAPHIC CONDITIONS**

The following sections describe the environmental setting of the subject property and surrounding area.

### **2.6.1 Topography**

The subject property is depicted on the USGS 7.5-minute series Niobrara, Nebraska, topographic quadrangle map (USGS 1950); the subject property is approximately 1,282 feet above mean sea level (amsl). The topographic gradient of the area is generally north toward the Missouri River (Environmental Data Resources, Inc. [EDR] 2016a).

### **2.6.2 Geologic Setting**

Bedrock in Knox County consists of layers of sandstone, chalk, and shale of Cretaceous age. Two rock units of Late Cretaceous age are exposed within the County. The Niobrara Formation is the lower of these units. It is composed of chalk, calcareous shale, and shaley limestone. It is overlain by the Pierre Shale, a formation consisting of bentonitic shale, calcareous shale, shaley chalk, and claystone (U.S. Department of Agriculture (USDA) 1997).

According to EDR, soil at the subject property is predominantly Urban Land. Urban Land soils are clayey, have a high water table, or are shallow to an impervious layer with very slow infiltration rates (EDR 2016b).

### **2.6.3 Hydrogeology**

Regionally, the subject property is within the Great Plains aquifer system, which is exposed at the land surface in a band that extends from south-central Kansas to northeastern Nebraska. This aquifer system

consists of two sandstone aquifers in Cretaceous rocks, separated by a shale confining unit. Although the Great Plains aquifer system extends in the subsurface throughout Kansas and Nebraska, it contains saline water in many places north and west of the area where it is exposed. A thick confining unit composed of Cretaceous shale, chalk, and limestone formations overlies the Great Plains aquifer system and separates it from the High Plains aquifer in most places (USGS 1997).

A search of the USGS, Federal Reporting Data System (FRDS) Public Water Supply (PWS), and state databases identified 18 wells within a 1-mile radius of the subject property; six of those wells are within 0.25 mile of the subject property and are monitoring wells. Three of the monitoring wells are for Moody Motor Company (251 Spruce Avenue) and have been abandoned, and three of the monitoring wells are for Gregs Motor & Marina (250 Walnut Street) and are active (EDR 2016b). Presence of these wells does not pose a REC to the subject property.

#### **2.6.4 Hydrology**

The subject property is in the Lewis and Clark Lake Watershed (EPA 2016). Water on the subject property likely infiltrates the ground or follows local topography to the north toward the Missouri River.

### **3.0 USER-PROVIDED INFORMATION**

The following summarizes information provided by EPA Region 7 and the Ponca Tribe (users) regarding the TBA.

#### **3.1 EXISTING STRUCTURE INFORMATION AND DRAWINGS**

No existing structure information or drawings were provided to START.

#### **3.2 SUMMARY OF TITLE INFORMATION**

The subject property is owned by the Ponca Tribe of Nebraska. Title documentation was not provided to START.

#### **3.3 ENVIRONMENTAL LIENS OR ACTIVITY AND USE LIMITATIONS**

No environmental liens or activity and use limitations (AUL) were identified by START in the information provided.

#### **3.4 SPECIALIZED KNOWLEDGE**

No previous investigations or reports are known.

#### **3.5 OWNER, SITE MANAGER, AND OCCUPANT INFORMATION**

The subject property is owned by the Ponca Tribe of Nebraska, represented by Ms. Page Hingst, Tribal Response Program Technician of the Ponca Tribe of Nebraska. The subject property is currently vacant, and the building on the subject property is used for storage of office supplies and furniture. Ms. Hingst is considered the key site manager of the subject property.

#### **3.6 REASON FOR PERFORMING PHASE I TBA**

This TBA was requested by EPA to provide an environmental assessment of the subject property. This TBA intends to satisfy one of the requirements for the innocent landowner defense to CERCLA liability: that is, the practices that constitute “all appropriate inquiry into the previous ownership and uses of the property consistent with good customary practice,” as defined in 42 *U.S. Code* §9601(35)(B).

## 4.0 SITE RECONNAISSANCE

START member Ms. Kaitlyn Bahr conducted the site reconnaissance on September 29, 2016. Access to the property was provided by Ms. Hingst. Photographic documentation of the site reconnaissance is in Appendix C.

### 4.1 METHODOLOGY AND LIMITING CONDITIONS

The site reconnaissance consisted of a visual inspection of the subject property in accordance with requirements set forth in 40 CFR Part 312. The purpose of the reconnaissance of the subject property was to seek out “conditions indicative of releases or threatened releases” as required by ASTM 1527-13.

START conducted the reconnaissance of the subject property for evidence of the following:

- Use, storage, treatment, disposal, or generation of hazardous substances, “controlled substances,” or petroleum products
- Landfills, dumps, or evidence of burial activities or solid waste disposal
- Aboveground storage tanks (AST), underground storage tanks (UST), drums, or containers capable of storing hazardous substances or petroleum products
- Transformers or other electrical or mechanical equipment potentially containing polychlorinated biphenyls (PCB)
- Evidence of petroleum-based heating fuel sources
- Drains, pits, sumps, cisterns, cesspools, or similar receptacles where liquids drain, collect, or are stored
- Pits, ponds, lagoons, or open pools likely to contain hazardous substances or petroleum products or waste
- Staining on pavement or areas of dead, distressed, discolored, or stained vegetation that may indicate RECs
- Grading or fill material that may indicate contaminated soils or dumping
- Chemical smells, petroleum gases, foul odors, wells, and/or other site-specific environmental conditions.

START mobilized to the subject property to observe current conditions and obtain additional information relevant to the TBA. START also observed the exteriors of adjacent and select nearby properties to assess presence of environmental concerns.

Any items listed in the ASTM method not identified in this section can be assumed not present. Likewise, any item mentioned but not identified as a REC can be assumed not a REC. General recommendations regarding the subject property are offered in Section 8.0.

## **4.2 GENERAL SITE SETTING**

The following sections describe the subject property's current and past uses and exterior and interior features.

### **4.2.1 Site Description**

The subject property covers approximately 2 acres owned by the Ponca Tribe of Nebraska. The subject property building was used for the tribe's health center. A garage or shed was on the eastern portion of the subject property; exact use of the garage or shed is unknown, and the concrete foundation is all that remains.

### **4.2.2 Exterior Observations**

The subject property is currently a vacant building used for storing office supplies and furniture. A concrete pad is on the eastern portion of the subject property. Figure 2 in Appendix B illustrates the site location and boundaries.

### **4.2.3 Interior Observations**

The one-story building on the subject property is finished with drywall, floor tile, carpet, and ceiling tiles. The building is currently vacant and is used to store office supplies and furniture by the Tribe. The building is mostly office space.

## **4.3 SPECIFIC RECONNAISSANCE ITEMS**

The following sections are related to items observed during the site reconnaissance:

### **4.3.1 Hazardous Substances and Petroleum Products**

Seven gallons of paint were observed in the basement of the building. No other hazardous substances or petroleum products were observed during the site reconnaissance.

#### **4.3.2 Hazardous Waste**

No hazardous waste was observed on the subject property during the site reconnaissance.

#### **4.3.3 Landfills, Dumps, Burials, or Solid Waste Disposal**

No landfills, dumps, burials, or solid waste disposal was observed during the site reconnaissance.

#### **4.3.4 Storage Tanks**

##### **Underground Storage Tanks**

No visual evidence of past or present on-site USTs—including pipes, pumps, or stains—was apparent during the site reconnaissance.

##### **Aboveground Storage Tanks**

A liquid propane tank was observed on the east side of the subject property building. The AST appeared to be in good condition with no signs of leaking. Presence of the liquid propane AST does not pose a REC to the subject property. No other ASTs were present during the site reconnaissance.

#### **4.3.5 Polychlorinated Biphenyls-containing Equipment**

One pole-mounted transformer was observed on the west side of the subject property building. A non-PCB placard was not observed; however, the transformer appeared to be in good condition with no signs of leaking. Presence of the transformer does not pose a REC to the subject property.

#### **4.3.6 Heating, Ventilation, and Air Conditioning System and Fuel Source**

The subject property building is heated by a furnace and cooled by an air conditioner on the south side of the building. Presence of the heating, ventilation, and air conditioning system does not pose a REC to the subject property.

#### **4.3.7 Drains, Sumps, Pools of Liquids, Standing Water, Cisterns, and Cesspools**

No drains, sumps, pools of liquids, standing water, cisterns, or cesspools were observed on the subject property during the site reconnaissance.

#### **4.3.8 Pits, Ponds, and Lagoons**

No pits, ponds, or lagoons were observed on the subject property at the time of the site reconnaissance.

#### **4.3.9 Stains or Corrosion and Stained Soil or Pavement**

No stains or corrosion was observed on the subject property during the site reconnaissance.

#### **4.3.10 Areas of Dead, Distressed, Discolored, or Stained Vegetation**

No areas of dead, distressed, discolored, or stained vegetation were observed on the subject property during the site reconnaissance.

#### **4.3.11 Possible Fill, Grading, or Solid Waste Disposal**

The subject property was likely graded during construction of the building. Various metal and equipment were observed partially buried near the foundation on the east side of the subject property. None of the objects observed appeared to contain petroleum or hazardous substances, and no staining was observed. Presence of these items does not pose a REC to the subject property. No other possible fill, grading, or solid waste disposal was observed on the subject property.

#### **4.3.12 Smells of Chemical Gases, Petroleum Products, or Noxious Odors**

No smells of chemical gases or petroleum products were detected at the time of the site reconnaissance.

#### **4.3.13 Wastewater and Stormwater Systems and Discharges**

Stormwater at the subject property either infiltrates into the ground or flows toward stormwater drains along Spruce Avenue.

#### **4.3.14 Wells and Potable Water Supply**

No dry, irrigation, injection, abandoned, or other wells were observed on the subject property.

#### **4.3.15 Other Site-specific Environmental Conditions**

No other site-specific environmental conditions were noted during the site reconnaissance.

### **4.4 VICINITY RECONNAISSANCE**

The subject property is bounded north by a vacant lot with Maple Street beyond; east by vacant lots; south by the tribal headquarters building and the transit storage building, with Woodbine Street beyond; and west by an automotive dealership.

## **5.0 INTERVIEWS**

The objective of conducting interviews is to obtain information concerning RECs in connection with the subject property. This information was obtained verbally and in written form, as indicated below. Interviewees were cooperative and forthcoming with information, unless otherwise specified. Interview documentation is in Appendix D.

### **5.1 INTERVIEW WITH OWNER**

The subject property is owned by the Ponca Tribe of Nebraska. START interviewed Ms. Hingst, Tribal Response Program Technician, and Mr. Larry Wright, Ponca Tribe buffalo herdsman, to identify past and current uses of the subject property. According to Mr. Wright, who had been associated with the subject property since 2000, the subject property has always been used as a feed store and a race track; however, exact dates the property was used for these purposes was unknown. The subject property was most recently used for the tribe's health center and is currently vacant. Ms. Hingst completed a user questionnaire for the subject property (see Appendix D).

### **5.2 INTERVIEWS WITH KEY SITE MANAGER**

Ms. Hingst is considered the key site manager of the subject property, and was interviewed as described above.

### **5.3 INTERVIEWS WITH CURRENT OCCUPANTS**

Ms. Hingst is considered the current occupant of the subject property, and was interviewed as described above.

### **5.4 INTERVIEWS WITH PAST SITE OWNERS/OCCUPANTS**

No interviews were conducted with past subject property owners or occupants, as they probably would not have provided information to START not already provided by other sources.

### **5.5 INTERVIEWS WITH LOCAL/STATE GOVERNMENT OFFICIALS**

Tetra Tech contacted the Nebraska Department of Environmental Quality (NDEQ) to obtain additional information regarding the subject property. NDEQ had no records regarding the subject property on file.

## 6.0 RECORDS REVIEW

The purpose of the records review is to obtain and review records that will help identify RECs in connection with the subject property.

### 6.1 ENVIRONMENTAL RECORDS SOURCES

The following sources of environmental records were accessed and reviewed as part of this assessment.

#### 6.1.1 Environmental Database Search

Federal, state, regional, and local records were reviewed to assess whether the subject property or facilities within the approximate minimum search distance have undergone significant unauthorized releases of hazardous substances or other events with potentially adverse environmental effects. EDR performed a database search of the subject property in accordance with the ASTM E 1527-13.

The databases searched have been developed and are updated by federal, state, and local agencies. While these databases are reliable and comprehensive, cases have occurred of data out of date and no longer reflective of actual facility conditions. The Government Records Searched/Data Currency Tracking section of the EDR report in Appendix E identifies when each database was updated.

A review of the facilities listed within the EDR-Radius Map with GeoCheck report revealed the following:

- The subject property was not identified in any database searched by EDR.
- The EDR identified database listings of facilities within ASTM standard search distances of the subject property.
  - The Moody Motor Company at 251 Spruce Avenue is approximately 18 feet south-southwest of the subject property. The facility was listed in the Nebraska (NE) UST, NE Leaking Underground Storage Tank (LUST), and EDR Historic Automotive databases. The facility was listed as Moody Motor Company in 2011 and 2012. One gasoline UST was removed in 1999, and one waste oil tank was removed in 1990. The facility status is listed as no further action (incident closed) for both removals. No further information was provided by EDR. According to files provided by NDEQ, subsurface soil samples and three monitoring wells were installed at the site when contamination was identified during the UST removals. According to the NDEQ Tier 1 report dated March 27, 2000, none of the reported contaminants of concern exceeded risk based screening levels for soil or groundwater (NDEQ 2016). Based on the facility status, these listings do not pose a REC to the subject property.

- The J&K Auto facility at 252-11 Spruce Avenue is approximately 35 feet south-southwest of the subject property. The facility was listed in the EDR Historic Automotive, NE UST, NE Historic UST, and the NE LUST databases. The facility was listed as J&K Auto in 2009. The facility had two 2,000-gallon unleaded gasoline USTs removed, and one 2,000-gallon gasoline UST is currently in use. The LUST incident was from a release of gasoline in 1993. The facility status is listed as closed. No further information was provided by EDR. According to files provided by NDEQ, soil staining observed during the UST removal in 1993 was minor and removed by use of a hand shovel. The site was closed on October 10, 2001 (NDEQ 2016). Based on the facility status, these listings do not pose a REC to the subject property.
- The unnamed facility at 254 Walnut Street is approximately 0.15 mile southeast of the subject property. The facility was listed in the EDR Historic Automotive database in 2008 and 2009 as Don Auto Service. The facility was not listed in any other database that would indicate occurrence of a release at the facility. Based on the site's location crossgradient of the subject property, this facility does not pose a REC to the subject property.
- The EDR report identified one "orphan" facility, which, because of poor or inadequate address information, could not be mapped by EDR. Based on the on-line mapping resource and information obtained during the site reconnaissance, the orphan facility was not identified within the approximate minimum search distances for the subject property.

### 6.1.2 Vapor Encroachment Screen

Tetra Tech completed an initial vapor encroachment screen to determine if a vapor encroachment condition (VEC) exists in the subsurface below any proposed subject property structures from hazardous substances, petroleum, and petroleum products that can include volatile organic compounds (VOC), semivolatile organic compounds (SVOC), and inorganic volatile compounds. The Tier 1 non-invasive vapor encroachment screen assessed presence of the chemicals of concern within the following approximate recommended minimum search distances specified in ASTM E 2600-10 *Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions* (ASTM 2010):

Area of Concern Approximate Minimum Search Distances Surrounding the Subject Property (miles)		
Standard Environmental Record Sources (where available)	Chemicals of Concern	Petroleum Hydrocarbon Chemicals of Concern
Federal NPL	0.33	0.10
Federal CERCLIS	0.33	0.10
Federal RCRA CORRACTS	0.33	0.10
Federal RCRA non-CORRACTS TSD	0.33	0.10
Federal RCRA Generators	Subject Property Only	Subject Property Only
Federal Institutional Control/Engineering Control	Subject Property Only	Subject Property Only
Federal ERNS	Subject Property Only	Subject Property Only
State and Tribal-equivalent NPL	0.33	0.10
State and Tribal-equivalent CERCLIS	0.33	0.10

<b>Area of Concern</b>		
<b>Approximate Minimum Search Distances Surrounding the Subject Property</b>		
<b>(miles)</b>		
State and Tribal Landfill or Solid Waste Disposal Sites	0.33	0.10
State and Tribal LUST	0.33	0.10
State and Tribal UST	Subject Property Only	Subject Property Only
State and Tribal Institutional Control/Engineering Control	Subject Property Only	Subject Property Only
State and Tribal Voluntary Cleanup	0.33	0.10
State and Tribal Brownfield	0.33	0.10

Notes:

CERCLIS Comprehensive Environmental Response, Compensation, and Liability Information System  
CORRACTS RCRA Corrective Action Activity  
ERNS Emergency Response Notification System  
LUST Leaking Underground Storage Tank  
NPL National Priorities List  
RCRA Resource Conservation and Recovery Act  
TSD RCRA Treatment, Storage, and Disposal  
UST Underground Storage Tank

Based on results of the initial vapor encroachment screening, no facilities with chemicals of concern were identified in the EDR report within the minimum search distances.

### **6.1.3 Valuation Reduction for Environmental Issues**

No information on valuation reduction was provided to Tetra Tech. An environmental lien search for the subject property was not performed by EDR.

### **6.1.4 Engineering and Institutional Controls**

As part of the environmental records search by EDR, federal and state databases for institutional and engineering controls were searched, including EPA's Engineering Controls Sites List and Sites with Institutional Controls and the U.S. Department of the Navy's Land Use Control Information System. No information significant to this Phase I TBA was found.

### **6.1.5 Title Records**

The subject property is currently owned by the Ponca Tribe of Nebraska. According to the warranty deed dated April 2, 2003, a portion of the subject property was transferred from Garry L. Nielsen, remainder interest and Leonard Nielsen, life estate to the Ponca Tribe of Nebraska, a federally Recognized Indian Tribe. According to the warranty deed dated, August 26, 2015, a portion of the subject property was transferred from the United States of America to the Ponca Tribe of Nebraska.

## 6.2 HISTORICAL USE INFORMATION REGARDING THE SITE AND ADJOINING PROPERTIES

Historical data regarding the subject property and surrounding area were gathered to determine past uses and evaluate visible environmental issues that may pose RECs. The following sections describe aerial photographs, Sanborn maps, topographic maps, city directories, and past environmental reports available regarding the subject property.

### 6.2.1 Historical Property Ownership

Table 6-1 presents the chain-of-title search of the subject property (Tri County Title & Abstract 2016) (see Appendix F-1).

**TABLE 6-1**  
**CHAIN OF TITLE SUMMARY**

<b>Date Executed</b>	<b>Transaction Description</b>	<b>Type</b>	<b>Book</b>	<b>Page</b>
3/8/1916	The United States of America, to Samuel Wing	Warranty Deed	45	685
11/20/2015	Samuel Wing, to Herman J Waldman	Warranty Deed	45	686
9/20/1958	Herman J. Waldman, to Elmer Waldman and Elsie Halvorsen	Warranty Deed	83	544
2/1/1961	Elmer Waldman and Elsie Halvorsen, to William Vakoc and Marie Vakoc, husband and wife.	Warranty Deed	84	639
6/13/2000	Marie R. Vakoc, to Garry L. Nielsen, remainder interest and Leonard Nielsen, life estate	Warranty Deed	122	658
4/2/2003	Garry L. Nielsen, remainder interest and Leonard Nielsen, life estate, to The Ponca Tribe of Nebraska, a federally recognized Indian Tribe	Warranty Deed	125	70
8/26/2015	The United States of America in Trust for Ponca Tribe of Nebraska	Warranty Deed	138	812

No finding from the chain-of-title search poses a REC to the subject property.

### 6.2.2 Sanborn Map Report

No Sanborn maps of the subject property area were available (see Appendix F-2) (EDR 2016c).

### 6.2.3 Aerial Photographs

START reviewed aerial photographs of the subject property and surrounding area for years 1946, 1973, 1984, 1988, 1991, 1999, 2005, 2006, 2007, 2008, 2009, 2010, and 2012 (EDR 2016d) (see Appendix F-3). Table 6-2 is a summary of information obtained from the aerial photographs.

**TABLE 6-2  
SUMMARY OF AERIAL PHOTOGRAPHS**

Year	Comments
1946	<p><b>Subject Property:</b> The subject property appears to be agricultural or undeveloped land.</p> <p><b>Surrounding Properties:</b> The surrounding property to the north appears to be agricultural, with agricultural and residential development beyond; the property to the east appears to be primarily residential; the property to the south appears to be agricultural or undeveloped; and the property to the west appears to be agricultural or undeveloped, with a railroad beyond.</p>
1973	<p><b>Subject Property:</b> The subject property appears to be part of a disturbed area; no structures are on the subject property.</p> <p><b>Surrounding Properties:</b> The area surrounding the subject property is similar to 1946, except a running track is northwest of the subject property.</p>
1984	<p><b>Subject Property:</b> Due to the scale and image quality, it is difficult to distinguish features on this aerial photograph; however, a structure may be on the subject property.</p> <p><b>Surrounding Properties:</b> The area north and east of the subject property appears to have been flooded, and structures are no longer present. Commercial development is immediately south of the subject property, with a road in approximate alignment with the current Highway 14 and residential development beyond.</p>
1988	<p><b>Subject Property:</b> The subject property appears similar to 1984. A building is on the subject property.</p> <p><b>Surrounding Properties:</b> The area surrounding the subject property is similar to 1984. A large pond is east of the subject property, and a farmstead is southeast of the subject property.</p>
1991	<p><b>Subject Property:</b> The subject property appears similar to 1988.</p> <p><b>Surrounding Properties:</b> The area surrounding the subject property is similar to 1988.</p>
1999	<p><b>Subject Property:</b> It appears that the building on the subject property has been torn down, and another building in approximate alignment with the current building is on the subject property.</p> <p><b>Surrounding Properties:</b> The area surrounding the subject property is similar to 1991. The property southwest of the subject property appears to be developed to its current use as a car dealership, and the racetrack to the northwest appears to be developed into a football stadium, with a baseball field beyond.</p>
2005	<p><b>Subject Property:</b> The subject property appears similar to 1999.</p> <p><b>Surrounding Properties:</b> The area surrounding the subject property is similar to 1999.</p>
2006	<p><b>Subject Property:</b> The subject property appears similar to 2005.</p> <p><b>Surrounding Properties:</b> The area surrounding the subject property is similar to 2005.</p>

**TABLE 6-2 (Continued)**

**SUMMARY OF AERIAL PHOTOGRAPHS**

<b>Year</b>	<b>Comments</b>
2007	<b>Subject Property:</b> The subject property appears similar to 2006. <b>Surrounding Properties:</b> The area surrounding the subject property is similar to 2006.
2008	<b>Subject Property:</b> The subject property appears similar to 2007. <b>Surrounding Properties:</b> The area surrounding the subject property is similar to 2007.
2009	<b>Subject Property:</b> The subject property appears similar to 2008. <b>Surrounding Properties:</b> The area surrounding the subject property is similar to 2008.
2010	<b>Subject Property:</b> The subject property appears similar to 2009. <b>Surrounding Properties:</b> The area surrounding the subject property is similar to 2009.
2012	<b>Subject Property:</b> The subject property appears similar to 2010. <b>Surrounding Properties:</b> The area surrounding the subject property is similar to 2010.

Aerial photographs can be used in conjunction with other historical records presented in this section to determine previous land use on the subject property. The subject property was historically and is currently used for agriculture or undeveloped land, or developed with one structure used by the Ponca Tribe of Nebraska. No RECs were identified in the review of aerial photographs.

**6.2.4 Historical Topographic Maps**

Topographic maps can be used as indicators of land use and structural changes on the subject property, and thus can help determine historical land use that might pose an environmental issue to the subject property. START reviewed USGS Niobrara and Verdigre, Nebraska quadrangle topographic maps of the subject property and surrounding area for years 1950 and 2014 (EDR 2016a) (Appendix F-4). Table 6-3 is a summary of information obtained from the historical topographic maps of the subject property and surrounding area.

**TABLE 6-3**

**SUMMARY OF HISTORICAL TOPOGRAPHIC MAPS**

<b>Year</b>	<b>Description</b>
1950	<p><b>Subject Property:</b> The subject property appears to be part of an undeveloped area; no structures are depicted on the subject property.</p> <p><b>Surrounding Properties:</b> Residential and commercial structures are north of the subject property, with the Missouri River beyond; residential structures are east of the subject property, with residential development beyond; undeveloped land is south of the subject property; a highway and railroad are west of the subject property, with the Niobrara River beyond.</p>
2014	<p><b>Subject Property:</b> The subject property appears similar to the 1950 topographic map. No structures are depicted on this topographic map.</p> <p><b>Surrounding Properties:</b> The topographic map appears similar to that of 1950. No structures are on this topographic map. The railroad is no longer depicted west of the subject property.</p>

Review of topographic maps did not identify potential environmental issues; however, topographic maps can be used in conjunction with other historical records presented in this section to determine previous land use on the subject property.

**6.2.5 City Directories**

Tetra Tech reviewed city directory listings for the subject property at 528 Avenue and 887 Road in Center, Nebraska, and nearby property for the years 1992, 1995, 1999, 2003, 2008, and 2013 (see Appendix F-5) (EDR 2016e). Table 6-4 summarizes information in the city directories. Not all nearby property listings are included in the table—only commercial or industrial properties that could pose a REC to the subject property.

**TABLE 6-4**

**SUMMARY OF HISTORICAL CITY DIRECTORIES**

<b>Property Address</b>	<b>Property Occupant(s)</b>
<b>Subject Property</b>	
2523 Woodbine Street	Not Listed
<b>Nearby Properties</b>	
249 Spruce Avenue	Ponca Tribe of Nebraska Health Mod (2008), Ponca Tribe, Ponca Tribe of Nebraska Health & Wel (2013)
251 Spruce Avenue	Moody Motor Company (1999, 2008, 2013)
252 Spruce Avenue	J&K Auto (2008, 2013)

City directories can be used in conjunction with other historical records presented in this section to determine previous land use on the site. Review of city directories did not identify any listings for the subject property or surrounding areas that would pose a REC to the subject property.

#### **6.2.6 Previous Reports**

No previous investigation or reports are known.

## **7.0 FINDINGS AND OPINIONS**

No known or suspect environmental conditions in connection with the subject property were noted during this ESA.

## **8.0 CONCLUSIONS AND RECOMMENDATIONS**

START has performed a TBA, in conformance to the scope and limitations of ASTM E 1527-13, of the subject property at 2523 Woodbine Street in Niobrara, Knox County, Nebraska. Exceptions to, or deletions from, this practice are described in Section 1.4 of this report. Based on available information, this assessment has not revealed evidence of RECs in connection with the subject property, as stated in Section 7.0.

Based on results of this Phase I ESA, START does not recommend any further investigation at this time.

## 9.0 CERTIFICATION STATEMENT

Resumes of the Environmental Assessor who conducted the site reconnaissance and the EP who prepared the report and oversaw completion of this work are in Appendix G. We declare that, to the best of our professional knowledge and belief, we meet the definition of EP as defined in 40 CFR Part 312.10. We have the specific qualifications based on education, training, and experience to assess the nature, history, and setting of the subject property addressed in this report. We have developed and performed all appropriate inquiries in conformance to the standards and practices set forth in 40 CFR Part 312, and attest to the completeness and accuracy of information in this report.

If you have any questions concerning the findings and conclusions of this report, please call START Program Manager Ted Faile at (816) 412-1754 or START Project Manager Kaitlyn Bahr at (816) 412-1768.

Assessor/EP



Kaitlyn Bahr  
Environmental Scientist

Reviewer/EP



Dave Zimmermann  
Program Manager

## 10.0 REFERENCES

- ASTM International (ASTM). 2010. *Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions*. E2600-10.
- ASTM. 2013. *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. E1527-13.
- Environmental Data Resources, Inc. (EDR). 2016a. EDR Historical Topo Map Report with QuadMatch. October 25.
- EDR. 2016b. EDR Radius Map Report with GeoCheck. October 25.
- EDR. 2016c. Certified Sanborn Map Report. October 25.
- EDR. 2016d. The EDR Aerial Photo Decade Package. October 26.
- EDR. 2016e. The EDR City Directory Image Report. October 26.
- Nebraska Department of Environmental Quality (NDEQ). 2016. Public Records Search database. Accessed December 21, 2016. <http://deq.ne.gov/NDEQProg.nsf/OnWeb/PRR>
- Tri County Title & Abstract. 2016. Chain of Title Search for South ½ Section 6, Township 31 North, Range 5 West. December 9.
- U.S. Department of Agriculture (USDA). 1997. Soil Survey of Knox County, Nebraska. June.
- U.S. Environmental Protection Agency (EPA). 2016. Surf Your Watershed: Blackbird-Soldier Watershed – 10230001. Accessed November 8, 2016. <http://water.usgs.gov/lookup/getwatershed?10230006/www/cgi-bin/lookup/getwatershed>
- U.S. Geological Survey (USGS). 1950. Niobrara, Nebraska Quadrangle. USGS 7.5 Minute Topographic Series.
- USGS. 1997. Ground Water Atlas of the United States: Kansas, Missouri, and Nebraska. HA 730-D. Accessed November 8, 2016. [http://pubs.usgs.gov/ha/ha730/ch\\_d/index.html](http://pubs.usgs.gov/ha/ha730/ch_d/index.html)

**APPENDIX A**  
**STATEMENT OF WORK**



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**

**REGION 7  
11201 Renner Boulevard  
LENEXA, KANSAS 66219**

September 1, 2016

Tetra Tech EM, Inc.  
415 Oak  
Kansas City, Missouri 64106  
Attn: Ted Faile

Subject: Contract #EP-S7-13-06, START 4, Subtask under Task Order #0002; Site Assessment **(Brownsfield UB)—Subtask 02.037**

Dear Mr. Faile:

Enclosed is the statement of work covering the Ponca Tribe and East Pen site.

This requirement has been issued under the Technical Support Umbrella In accordance with Contract Clause G.2 entitled "Ordering - By Designated Ordering Officers, Tetra Tech shall provide the undersigned within 10 calendar days, a proposed staffing plan for accomplishing the assigned task. You shall notify the Contracting Officer in writing within 10 calendar days, stating why you consider the price or completion date unreasonable. If the change(s) affect the price, the contractor shall provide a revised cost estimate to the contracting officer. The total amount shall not exceed **\$31,331.65**

**Existing funds are available for use against the umbrella for this subtask.** When you have reason to believe that the labor and support costs for this order, which will accrue in the next thirty days, will bring the total cost to over 85% of the ceiling price, you shall notify the Contracting Officer. If you have any questions, please contact me at (913) 551-7228.

Sincerely,

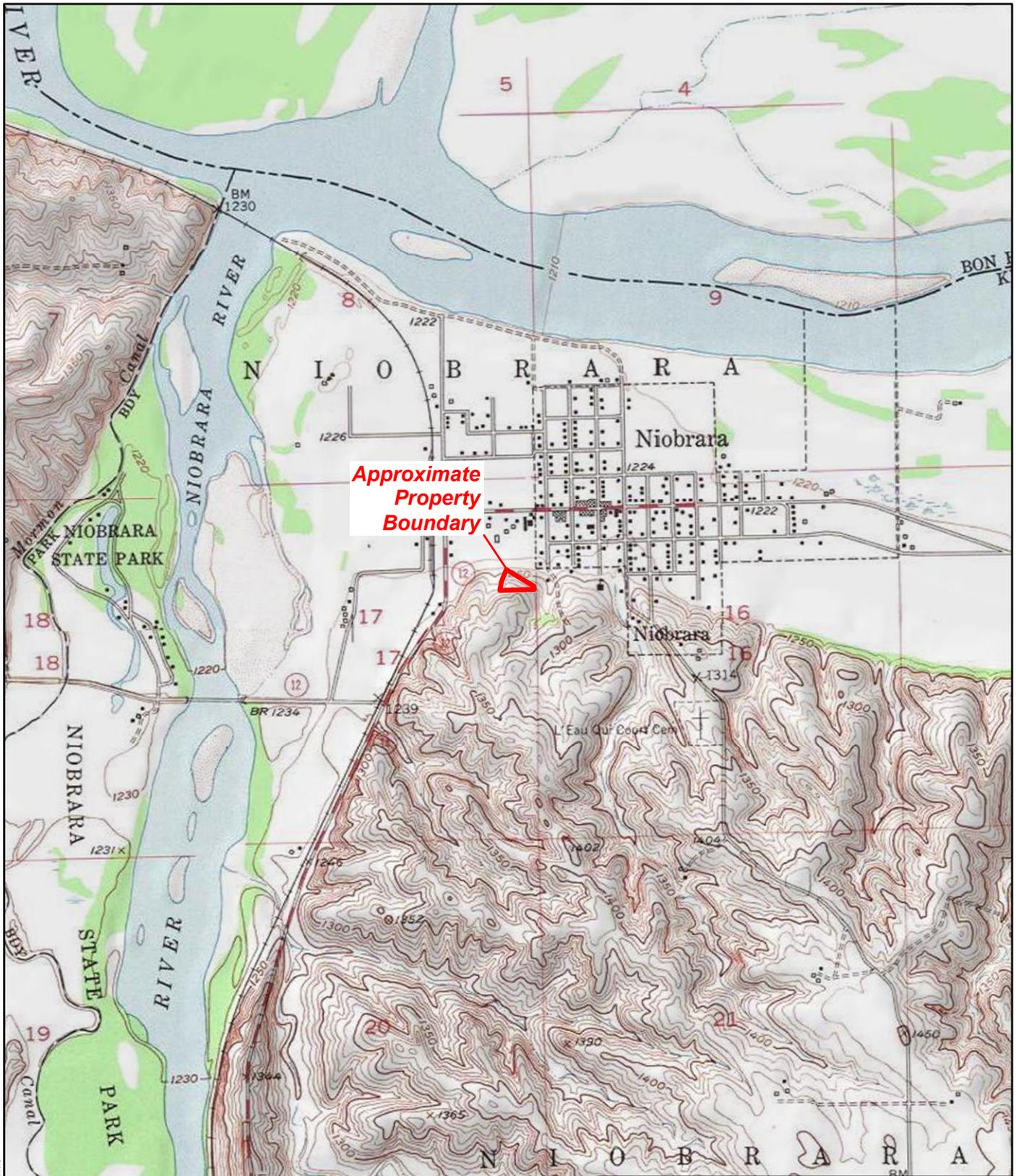
Anthony LaMaster  
Contracting Officer

enclosure

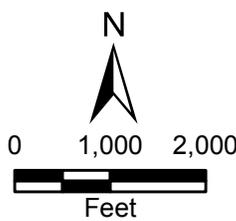
cc: Debra Dorsey—EPA COR  
Todd Davis—EPA TOCOR

**APPENDIX B**

**FIGURES**



**Approximate  
Property  
Boundary**



<p>Ponca Tribal Headquarters 2523 Woodbine Street Niobrara, NE</p>
<p><b>Figure 1</b> Site Location Map</p>
<p>Date: 10/26/2016    Drawn By: Nick Wiederholt    Project No: X9025.14.0002.019.024</p>

Source: Niobrara, Nebraska USGS 7.5 Minute Topo Quad, 1959;  
Verdigre, Nebraska USGS 7.5 Minute Topo Quad, 1959.

X:\G90250002\019024\Ponca\_Tribal\_Headquarters\Figures1.mxd



Spruce Ave

Woodbine St

**Legend**

 Approximate property boundary

N



0 40 80



Feet

Ponca Tribal Headquarters  
2523 Woodbine Street  
Niobrara, NE

**Figure 2**  
Site Layout Map



X:\G90250002\019024\Ponca\_Tribal\_Headquarters\Fig2.mxd

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

Date: 10/26/2016

Drawn By: Nick Wiederholt

Project No: X9025.14.0002.019.024

**APPENDIX C**  
**SITE PHOTOGRAPHS**

**2523 Woodbine Street  
Niobrara, Nebraska**



TETRA TECH PROJECT NO. X9025.14.0002.019024  Direction: South	DESCRIPTION	This photograph shows the subject property building, facing south. A pole-mounted transformer is on the south side of the building.	1
	CLIENT	Environmental Protection Agency – Region 7	Date 9/29/2016
	PHOTOGRAPHER	Kaitlyn Bahr	



TETRA TECH PROJECT NO. X9025.14.0002.019024  Direction: West	DESCRIPTION	This photograph shows the east side of the subject property building and the propane tank, facing west.	2
	CLIENT	Environmental Protection Agency – Region 7	Date 9/29/2016
	PHOTOGRAPHER	Kaitlyn Bahr	

**2523 Woodbine Street  
Niobrara, Nebraska**



TETRA TECH PROJECT NO. X9025.14.0002.019024  Direction: South	DESCRIPTION	This photograph shows a close up of the propane tank with the tribal headquarters building beyond, facing south.	3
	CLIENT	Environmental Protection Agency – Region 7	Date 9/29/2016
	PHOTOGRAPHER	Kaitlyn Bahr	



TETRA TECH PROJECT NO. X9025.14.0002.019024  Direction: Northeast	DESCRIPTION	This photograph shows a storage trailer and building supplies in the parking lot on the north side of the subject property building.	4
	CLIENT	Environmental Protection Agency – Region 7	Date 9/29/2016
	PHOTOGRAPHER	Kaitlyn Bahr	

**2523 Woodbine Street  
Niobrara, Nebraska**



TETRA TECH PROJECT NO. X9025.14.0002.019024  Direction: NA	DESCRIPTION	This photograph shows the breakroom inside the subject property building.	5
	CLIENT	Environmental Protection Agency – Region 7	Date 9/29/2016
	PHOTOGRAPHER	Kaitlyn Bahr	



TETRA TECH PROJECT NO. X9025.14.0002.019024  Direction: NA	DESCRIPTION	This photograph shows a bathroom inside the subject property building.	6
	CLIENT	Environmental Protection Agency – Region 7	Date 9/29/2016
	PHOTOGRAPHER	Kaitlyn Bahr	

**2523 Woodbine Street  
Niobrara, Nebraska**



TETRA TECH PROJECT NO. X9025.14.0002.019024  Direction: NA	DESCRIPTION	This photograph shows paint storage under the stairs in the basement of the subject property building.	7
	CLIENT	Environmental Protection Agency – Region 7	Date 9/29/2016
	PHOTOGRAPHER	Kaitlyn Bahr	



TETRA TECH PROJECT NO. X9025.14.0002.019024  Direction: NA	DESCRIPTION	This photograph shows paint storage in the basement of the subject property building.	8
	CLIENT	Environmental Protection Agency – Region 7	Date 9/29/2016
	PHOTOGRAPHER	Kaitlyn Bahr	

**2523 Woodbine Street  
Niobrara, Nebraska**



TETRA TECH PROJECT NO. X9025.14.0002.019024  Direction: NA	DESCRIPTION	This photograph shows the water heater in the basement of the subject property building.	9
	CLIENT	Environmental Protection Agency – Region 7	Date 9/29/2016
	PHOTOGRAPHER	Kaitlyn Bahr	



TETRA TECH PROJECT NO. X9025.14.0002.019024  Direction: NA	DESCRIPTION	This photograph shows the drain near the water heater in the basement of the subject property building.	10
	CLIENT	Environmental Protection Agency – Region 7	Date 9/29/2016
	PHOTOGRAPHER	Kaitlyn Bahr	

**2523 Woodbine Street  
Niobrara, Nebraska**



TETRA TECH PROJECT NO. X9025.14.0002.019024  Direction: NA	DESCRIPTION	This photograph shows a room in the basement of the subject property building.	11
	CLIENT	Environmental Protection Agency – Region 7	Date 9/29/2016
	PHOTOGRAPHER	Kaitlyn Bahr	



TETRA TECH PROJECT NO. X9025.14.0002.019024  Direction: East	DESCRIPTION	This photograph shows the air conditioning unit on the south side of the subject property building, facing east.	12
	CLIENT	Environmental Protection Agency – Region 7	Date 9/29/2016
	PHOTOGRAPHER	Kaitlyn Bahr	

**2523 Woodbine Street  
Niobrara, Nebraska**



TETRA TECH PROJECT NO. X9025.14.0002.019024  Direction: Northeast	DESCRIPTION	This photograph shows the concrete foundation and stored wood and doors on the east side of the subject property, facing northeast.	13
	CLIENT	Environmental Protection Agency – Region 7	Date 9/29/2016
	PHOTOGRAPHER	Kaitlyn Bahr	



TETRA TECH PROJECT NO. X9025.14.0002.019024  Direction: NA	DESCRIPTION	This photograph shows buried metal near the foundation on the east side of the subject property.	14
	CLIENT	Environmental Protection Agency – Region 7	Date 9/29/2016
	PHOTOGRAPHER	Kaitlyn Bahr	

**2523 Woodbine Street  
Niobrara, Nebraska**



TETRA TECH PROJECT NO. X9025.14.0002.019024  Direction: NA	DESCRIPTION	This photograph shows a partially buried piece of equipment on the east side of the subject property near the foundation.	15
	CLIENT	Environmental Protection Agency – Region 7	Date 9/29/2016
	PHOTOGRAPHER	Kaitlyn Bahr	



TETRA TECH PROJECT NO. X9025.14.0002.019024  Direction: NA	DESCRIPTION	This photograph shows a partially buried piece of equipment on the east side of the subject property near the foundation.	16
	CLIENT	Environmental Protection Agency – Region 7	Date 9/29/2016
	PHOTOGRAPHER	Kaitlyn Bahr	

**2523 Woodbine Street  
Niobrara, Nebraska**



TETRA TECH PROJECT NO. X9025.14.0002.019024  Direction: NA	DESCRIPTION	This photograph shows a partially buried piece of equipment on the east side of the subject property near the foundation.	17
	CLIENT	Environmental Protection Agency – Region 7	Date 9/29/2016
	PHOTOGRAPHER	Kaitlyn Bahr	



TETRA TECH PROJECT NO. X9025.14.0002.019024  Direction: NA	DESCRIPTION	This photograph shows a partially buried empty metal drum on the east side of the subject property near the foundation.	18
	CLIENT	Environmental Protection Agency – Region 7	Date 9/29/2016
	PHOTOGRAPHER	Kaitlyn Bahr	

**APPENDIX D**

**INTERVIEW DOCUMENTATION AND USER-PROVIDED INFORMATION**

## ASTM1527-13 ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE

<b>SITE NAME: Ponca and East Penn</b>			
<b>SITE ADDRESS: Niobrara, NE</b>			
<b>DATE:</b>			
<b>TETRA TECH PROJECT NUMBER:</b>			
<b>PREPARED BY:</b>	<b>(Owner)</b>	<b>(Occupant)</b>	<b>(Tetra Tech)</b>
<b>COMPANY: Tetra Tech</b>			

### GENERAL QUESTIONS REGARDING PROPERTY CONDITION

#### ASTM RELATED QUESTIONS

QUESTION	Owner			Occupant			Observed			COMMENTS
	Y	N	U	Y	N	U	Y	N	U	
<b>1a</b> Is the property used for an industrial use?		✓								
<b>1b</b> Is any adjoining property used for an industrial use?		✓								
<b>2a</b> Did you observe evidence or do you have any prior knowledge that the property has been used for an industrial use in the past?		✓								
<b>2b</b> Did you observe evidence or do you have any prior knowledge that the adjoining property has been used for an industrial use in the past?		✓								
<b>3a</b> Is the property used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility? (If applicable, identify which.)		✓								
<b>3b</b> Is the adjoining property used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility? (If applicable, identify which.)		✓								

## ASTM1527-13 ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE

QUESTION		Owner			Occupant			Observed			COMMENTS
		Y	N	U	Y	N	U	Y	N	U	
4a	Did you observe evidence or do you have any prior knowledge that the property has been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment storage, disposal, processing, or recycling facility? (If applicable, identify which.)			✓							Historically property was used as Race Track with possible automotive repair.
4b	Did you observe evidence or do you have any prior knowledge that the adjoining property has been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment storage, disposal, processing, or recycling facility? (If applicable, identify which.)		✓								
5a	Are there currently any damaged or discarded automotive or industrial batteries, pesticides, paints or other chemicals in individual containers of > 5 gal (19 L) in volume or 50 gal (190 L) in the aggregate, stored on or used at the property or at the facility?		✓								
5b	Did you observe evidence or do you have any prior knowledge that there have been previously any damaged or discarded automotive or industrial batteries, pesticides, paints or other chemicals in individual containers of > 5 gal (19 L) in volume or 50 gal (190 L) in the aggregate, stored on or used at the property or at the facility?			✓							Was previously part of a feed store- there possibly could have been pesticide stored on the premise in the warehouse.
6a	Are there currently any industrial drums (typically 55 gal (208 L)) or sacks of chemicals located on the property or at the facility?		✓								
6b	Did you observe evidence or do you have any prior knowledge that there have been previously any industrial drums (typically 55 gal (208 L)) or sacks of chemicals located on the property or at the facility?			✓							
7a	Did you observe evidence or do you have any prior knowledge that fill dirt has been brought onto the property that originated from a contaminated site?		✓								
7b	Did you observe evidence or do you have any prior knowledge that fill dirt has been brought onto the property that is of an unknown origin?		✓								

## ASTM1527-13 ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE

QUESTION		Owner			Occupant			Observed			COMMENTS
		Y	N	U	Y	N	U	Y	N	U	
8a	Are there currently any pits, ponds, or lagoons located on the property in connection with waste treatment or waste disposal?		✓								
8b	Did you observe evidence or do you have any prior knowledge that there have been previously any pits, ponds or lagoons located on the property in connection with waste treatment or waste disposal?		✓								
9a	Is there currently any stained soil on the property?		✓								
9b	Did you observe evidence or do you have any prior knowledge that there has been previously any stained soil on the property?			✓							
10a	Are there currently any registered or unregistered storage tanks (above or underground) located on the property?	✓									Above ground propane tanks
10b	Did you observe evidence or do you have any prior knowledge that there have been previously, any registered or unregistered storage tanks (above or underground) located on the property?	✓									Above ground propane tank
11a	Are there currently any vent pipes, fill pipes, or access ways indicating a fill pipe protruding from the ground on the property or adjacent to any structure on the property?		✓								
11b	Did you observe evidence or do you have any prior knowledge that there have been previously any vent pipes, fill pipes, or access ways indicating a fill pipe protruding from the ground on the property or adjacent to any structure located on the property?		✓								
12a	Are there currently any flooring, drains, or walls located within the facility that are stained by substances other than water or are emitting foul odors?	✓									Modular- basement floor drain-emitting foul odor.

## ASTM1527-13 ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE

<b>12b</b>	Did you observe evidence or do you have any prior knowledge that there have been previously any flooring, drains, or walls within the facility that are stained by substances other than water or were emitting foul odors?	✓										Modular- basement floor drain emitting foul odor.
QUESTION		Owner			Occupant			Observed			COMMENTS	
		Y	N	U	Y	N	U	Y	N	U		
<b>13a</b>	If the property is served by a private well or non-public water system, is there evidence or do you have prior knowledge that contaminants have been identified in the well or system that exceed guidelines applicable to the water system?											N/A- Public Water System (PWS)
<b>13b</b>	If the property is served by a private well or non-public water system, is there evidence or do you have prior knowledge that the well has been designated as contaminated by any government environmental/health agency?											N/A PWS
<b>14</b>	Does the owner or occupant of the property have any knowledge of environmental liens or governmental notification relating to past or recurrent violations of environmental laws with respect to the property or any facility located on the property?		✓									
<b>15a</b>	Has the owner or occupant of the property been informed of the past existence of hazardous substances or petroleum products with respect to the property or any facility located on the property?		✓									
<b>15b</b>	Has the owner or occupant of the property been informed of the current existence of hazardous substances or petroleum products with respect to the property or any facility located on the property?		✓									
<b>15c</b>	Has the owner or occupant of the property been informed of the past existence of environmental violations with respect to the property or any facility located on the property?		✓									
<b>15d</b>	Has the owner or occupant of the property been informed of the current existence of environmental violations with respect to the property or any facility located on the property?		✓									

## ASTM1527-13 ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE

16	Does the owner or occupant of the property have any knowledge of any environmental site assessment of the property or facility that indicated the presence of hazardous substances or petroleum products on, or contamination of, the property or recommended further assessment of the property?		✓										
QUESTION		Owner			Occupant			Observed			COMMENTS		
		Y	N	U	Y	N	U	Y	N	U			
17	Does the owner or occupant of the property know of any past, threatened, or pending lawsuits or administrative proceedings concerning a release or threatened release of any hazardous substance or petroleum products involving the property by any owner or occupant of the property?		✓										
18a	Does the property discharge waste water, on or adjacent to the property, other than storm water, into a storm water sewer system?		✓										
18b	Does the property discharge waste water, on or adjacent to the property, other than storm water, into a sanitary sewer system?		✓										
19	Did you observe evidence or do you have any prior knowledge that any hazardous substances or petroleum products, unidentified waste materials, tires, automotive or industrial batteries, or any other waste materials have been dumped above grade, buried and/or burned on the property?			✓									Automotive parts scattered throughout part of the site.
20	Is there a transformer, capacitor, or any hydraulic equipment for which there are any records indicating the presence of PCBs?		✓										
21	Is there any knowledge of a valuation reduction for the property based upon environmental issues?		✓										
22a	Is there any knowledge of activity and use limitations placed on the property due to residual contamination?		✓										
22b	Is there any knowledge of activity and use limitations placed on adjacent properties due to residual contamination?		✓										



## ASTM1527-13 ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE

NON-ASTM RELATED QUESTIONS											
QUESTION		Owner			Occupant			Observed			COMMENTS
		Y	N	U	Y	N	U	Y	N	U	
21	Are there any wetland or floodplains? (100-year or 500-year floodplains?)		✓								
21A	Are there any streams or ditches that run through or adjacent to the property?	✓									Ephemeral Stream
21B	Are there any low areas where water ponds with snowmelt or after rainstorms?		✓								
22	Any known or suspected asbestos-containing materials? What year was the property/structure constructed?		✓								
23	Any known or suspected lead-based paint? Date constructed?		✓								
24	Radon issues? How long will the area be occupied? Is the area in a basement?		✓								Modular- Radon tested below action level in 2008.

## ASTM1527-13 ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE

FOR ACTIVE FACILITIES											
QUESTION		Owner			Occupant			Observed			COMMENTS
		Y	N	U	Y	N	U	Y	N	U	
25	Any visual signs of indoor air quality issues? For example excessive dust, smells, or mold observed on the walls?			✓							
26	Community Right to Know posting of Materials Safety Data Sheets and/or other health related information?		✓								
27	Are employees wearing PPE for work conditions noted? For example, hard-toed shoes, hard hat, safety glasses, hearing protection, etc?										N/A
28	Does there appear to be excessive noise issues?		✓								
29	Other potential unsafe working conditions identified?		✓								
30	Health and safety gear observed, such as, first aid kits, fire extinguishers, or eye wash stations?	✓									
31	Are there any pits, tanks, or sumps that must be entered by employees that may be a confined space?		✓								
32	Are there any historical or active septic systems? NO- Public Sewer System										

## ASTM1527-13 ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE

GOVERNMENT RECORDS/HISTORICAL SOURCES INQUIRY					
<b>33</b>	Do any of the following Federal government record systems list the property or any property within the circumference of the area noted below:	Y	N	<b>COMMENTS</b>	
	National Priorities List – within 1.0 mile (1.6 Km)?		✓		
	CERCLIS List – within 0.5 mile (0.8 Km)?		✓		
	RCRA CORRACTS Facilities – within 1.0 mile (1.6 Km)?		✓		
	RCRA non-CORRACTS TSD Facilities – within 0.5 mile (0.8 Km)?		✓		
<b>34</b>	Do any of the following state record systems list the property or any property within the circumference of the area noted below:	Y	N	<b>COMMENTS</b>	
	List maintained by state environmental agency of hazardous waste sites identified for investigation or remediation that is the state equivalent to National Priorities List – within 1.0 mile (1.6 Km)?		✓		
	List maintained by state environmental agency of sites identified for investigation or remediation that is the state equivalent to CERCLIS List – within 0.5 mile (0.8 Km)?		✓		
	Leaking Underground Storage Tank (LUST) List – within 0.5 mile (0.8 Km)?	✓		4: 3 less than 1/4 mile; 1 btwn 1/4-1/2 miles	
	Solid Waste/Landfill Facilities – within 0.5 mile (0.8 Km)?		✓		
<b>35</b>	Based upon a review of fire insurance maps or consultation with the local fire department serving the property, all as specified in the guide, are any buildings or other improvements on the property or on an adjoining property identified as having been used for an industrial use or uses likely to lead to contamination of the property?	Y	N	N/A	<b>COMMENTS</b>
					unknown
<b>KEY: Y = YES, N = NO, U = UNKNOWN, N/A = NOT APPLICABLE</b>					
<b>Prepared by:</b>		<b>(Owner),</b>		<b>(Occupant), and</b>	
				<b>(Tetra Tech)</b>	
<b>Signature:</b>	<b>Date:</b>	<b>Signature:</b> <i>Page Hingst</i> <b>Date</b> 10/24/16			
<b>Tetra Tech</b>					

## Bahr, Kaitlyn

---

**From:** NDEQ Records <ndeq.records@nebraska.gov>  
**Sent:** Tuesday, December 20, 2016 8:35 AM  
**To:** Bahr, Kaitlyn  
**Subject:** RE: Freedom of Information Act Request - 2523 Woodbine Street, Niobrara, NE

Kaitlyn,

I was unable to find anything at the specific address you requested, but I did locate the facility **60664 N & B Gas Co** on Woodbine street. I don't have a complete address for it so I'm unsure if this might be for your property. The only documents it's have are for TL3 chemical inventory reporting, but I will go ahead and upload them to the website just in case. If you want me to check any other addresses or S/T/R please let me know!

Have a good day!

Shawna Steinman  
Records Management Section  
Nebraska Department of Environmental Quality  
Suite 400, The Atrium  
1200 N St, P.O. Box 98922  
Lincoln, NE 68509-8922  
Phone: 402-471-0277  
Fax: 402-471-2909

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**From:** Bahr, Kaitlyn [mailto:Kaitlyn.Bahr@tetrattech.com]  
**Sent:** Monday, December 19, 2016 11:40 AM  
**To:** NDEQ Records  
**Cc:** Bahr, Kaitlyn  
**Subject:** Freedom of Information Act Request - 2523 Woodbine Street, Niobrara, NE

Tetra Tech, Inc. (Tetra Tech) is conducting a Phase I Environmental Site Assessment (ESA) at the property located at 2523 Woodbine Street, Niobrara, NE in Niobrara, Nebraska. This investigation is being conducted in order to identify evidence of any recognized environmental conditions (RECs) that may have an adverse environmental impact upon the subject property. Tetra Tech's client is requesting a due diligence investigation. According to ASTM Standards E 1527-13, property record reviews are required prior to completing this investigation.

Tetra Tech is requesting any records you may have concerning the property of interest. Records may include, but are not limited to:

- Records indicating former operations/owners
- Contamination issues in soil or groundwater
- Leaks or spills of hazardous materials
- Storage or use of hazardous materials
- Monitoring well installations and/or sampling results
- Underground or aboveground storage tanks (tank abandonment, removals, and closures)
- Site remediation/investigation activities
- Environmental violations
- Sewer or septic issues; issued permits
- No further action letters
- Consultations with the U.S. Environmental Protection Agency (USEPA)
- Sites that may be classified as State Hazardous Waste Sites

Any assistance from your office would be greatly appreciated. If you have any questions or concerns regarding this request or if you need additional information to assist with your record search, please feel free to contact me via phone at (816) 412-1742 or e-mail at [kaitlyn.bahr@tetrattech.com](mailto:kaitlyn.bahr@tetrattech.com). Thank you in advance for spending time on this matter.

**Kaitlyn Bahr** | Environmental Scientist

415 Oak Street | Kansas City, Missouri 64106 | [www.tetrattech.com](http://www.tetrattech.com)  
Direct: 816.412.1742 | Main: 816.412.1741 | Cell: 913.645.6871 | Fax: 816.410.1748  
Tetra Tech | **Complex World, Clear Solutions™**

<input type="checkbox"/>	<b>After a diligent search, no records could be located the Subject Property.</b> (check box if applicable)	<b>regarding</b>
X	_____	Signature
	_____	Printed Name
	_____	_____
	Title/ Department	Date

**APPENDIX E**

**EDR RADIUS MAP WITH GEOCHECK**

**Ponca Tribal Headquarters**

2523 Woodbine Street

Niobrara, NE 68760

Inquiry Number: 4763064.2s

October 25, 2016

# The EDR Radius Map™ Report with GeoCheck®



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

# TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary .....	ES1
Overview Map .....	2
Detail Map .....	3
Map Findings Summary .....	4
Map Findings .....	8
Orphan Summary .....	12
Government Records Searched/Data Currency Tracking .....	GR-1
 <b><u>GEOCHECK ADDENDUM</u></b>	
Physical Setting Source Addendum .....	A-1
Physical Setting Source Summary .....	A-2
Physical Setting SSURGO Soil Map .....	A-5
Physical Setting Source Map .....	A-10
Physical Setting Source Map Findings .....	A-12
Physical Setting Source Records Searched .....	PSGR-1

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

### Disclaimer - Copyright and Trademark Notice

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## EXECUTIVE SUMMARY

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

### TARGET PROPERTY INFORMATION

#### ADDRESS

2523 WOODBINE STREET  
NIOBRARA, NE 68760

#### COORDINATES

Latitude (North): 42.7516890 - 42° 45' 6.08"  
Longitude (West): 98.0332080 - 98° 1' 59.54"  
Universal Transverse Mercator: Zone 14  
UTM X (Meters): 579120.8  
UTM Y (Meters): 4733479.5  
Elevation: 1282 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 6714452 NIOBRARA, NE  
Version Date: 2014  
  
South Map: 6714480 VERDIGRE NE, NE  
Version Date: 2014

### AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20140915  
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:  
 2523 WOODBINE STREET  
 NIOBRARA, NE 68760

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
<a href="#">A1</a>	MOODY MOTOR CO INC	251 SPRUCE AVE	NE UST	Lower	18, 0.003, NNW
<a href="#">A2</a>	MOODY MOTOR CO	251 SPRUCE AVE	NE LUST	Lower	18, 0.003, NNW
<a href="#">A3</a>		251 SPRUCE AVE	EDR Hist Auto	Lower	18, 0.003, NNW
<a href="#">A4</a>		252 SPRUCE AVE	EDR Hist Auto	Lower	35, 0.007, NNW
<a href="#">A5</a>	J & K AUTO	252-11 SPRUCE AVE	NE UST, NE HIST UST	Lower	35, 0.007, NNW
<a href="#">A6</a>	J AND K AUTO	255-115 SPRUCE	NE LUST	Lower	55, 0.010, NNW
<a href="#">7</a>		254 WALNUT ST	EDR Hist Auto	Higher	390, 0.074, SSW

# EXECUTIVE SUMMARY

## TARGET PROPERTY SEARCH RESULTS

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

## DATABASES WITH NO MAPPED SITES

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

## STANDARD ENVIRONMENTAL RECORDS

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

NPL..... National Priority List  
Proposed NPL..... Proposed National Priority List Sites  
NPL LIENS..... Federal Superfund Liens

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

Delisted NPL..... National Priority List Deletions

### ***Federal CERCLIS list***

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

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

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

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

CORRACTS..... Corrective Action Report

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

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

### ***Federal RCRA generators list***

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

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

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

## EXECUTIVE SUMMARY

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

### **Federal ERNS list**

ERNS..... Emergency Response Notification System

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

NE SHWS..... Superfund State Program List

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

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

NE SWF/LF..... Licensed Landfill List

SD SWF/LF..... Solid Waste Facilities

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

NE LAST..... Leaking Aboveground Storage Tank Sites

SD LUST..... Leaking Underground Storage Tank List

SD LAST..... Leaking Aboveground Storage Tanks

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

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

FEMA UST..... Underground Storage Tank Listing

SD UST..... Underground Storage Tanks

NE AST..... Hazardous Chemical AST List

SD AST..... Aboveground Storage Tanks

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

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

NE INST CONTROL..... Nebraska's Institutional Control Registry

SD INST CONTROL..... List of Brownfields Sites

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

NE VCP..... RAPMA Sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

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

NE BROWNFIELDS..... Potential Brownfields Inventory Listing

SD BROWNFIELDS..... List of Brownfields Sites

## **ADDITIONAL ENVIRONMENTAL RECORDS**

### **Local Brownfield lists**

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

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

NE SWRCY..... Recycling Resource Directory

## EXECUTIVE SUMMARY

SD SWRCY..... Businesses that Accept Recyclables  
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands  
ODI..... Open Dump Inventory  
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

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

US HIST CDL..... Delisted National Clandestine Laboratory Register  
US CDL..... National Clandestine Laboratory Register

### **Local Lists of Registered Storage Tanks**

NE HIST AST..... Aboveground Storage Tank Database Listing

### **Local Land Records**

LIENS 2..... CERCLA Lien Information

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

HMIRS..... Hazardous Materials Information Reporting System  
NE SPILLS..... Surface Spill List  
SD SPILLS..... Spills  
NE SPILLS 90..... SPILLS 90 data from FirstSearch  
SD SPILLS 90..... SPILLS 90 data from FirstSearch  
NE SPILLS 80..... SPILLS 80 data from FirstSearch

### **Other Ascertainable Records**

RCRA NonGen / NLR..... RCRA - Non Generators / No Longer Regulated  
FUDS..... Formerly Used Defense Sites  
DOD..... Department of Defense Sites  
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing  
US FIN ASSUR..... Financial Assurance Information  
EPA WATCH LIST..... EPA WATCH LIST  
2020 COR ACTION..... 2020 Corrective Action Program List  
TSCA..... Toxic Substances Control Act  
TRIS..... Toxic Chemical Release Inventory System  
SSTS..... Section 7 Tracking Systems  
ROD..... Records Of Decision  
RMP..... Risk Management Plans  
RAATS..... RCRA Administrative Action Tracking System  
PRP..... Potentially Responsible Parties  
PADS..... PCB Activity Database System  
ICIS..... Integrated Compliance Information System  
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)  
MLTS..... Material Licensing Tracking System  
COAL ASH DOE..... Steam-Electric Plant Operation Data  
COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List  
PCB TRANSFORMER..... PCB Transformer Registration Database  
RADINFO..... Radiation Information Database  
HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing  
DOT OPS..... Incident and Accident Data  
CONSENT..... Superfund (CERCLA) Consent Decrees

## EXECUTIVE SUMMARY

INDIAN RESERV.	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
FINDS	Facility Index System/Facility Registry System
DOCKET HWC	Hazardous Waste Compliance Docket Listing
UXO	Unexploded Ordnance Sites
NE AIRS	Air State Program List
SD AIRS	Air Emissions Listing
NE DRYCLEANERS	Drycleaner Facility Listing
SD DRYCLEANERS	Listing of Registered Drycleaners
NE Financial Assurance	Financial Assurance Information Listing
SD Financial Assurance	Financial Assurance Information Listing
NE NPDES	Wastewater Database Listing
SD NPDES	Wastewater Permit Listing
NE TIER 2	Tier 2 Facility Listing
NE UIC	Underground Injection Control Database
SD UIC	Underground Injection Wells Listing
ECHO	Enforcement & Compliance History Information
ABANDONED MINES	Abandoned Mines
FUELS PROGRAM	EPA Fuels Program Registered Listing

### EDR HIGH RISK HISTORICAL RECORDS

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

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

### EDR RECOVERED GOVERNMENT ARCHIVES

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

NE RGA HWS	Recovered Government Archive State Hazardous Waste Facilities List
NE RGA LUST	Recovered Government Archive Leaking Underground Storage Tank
SD RGA LUST	Recovered Government Archive Leaking Underground Storage Tank

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

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

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

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

# EXECUTIVE SUMMARY

## STANDARD ENVIRONMENTAL RECORDS

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

NE 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 Environmental Control's Spill Tracking Reports.

A review of the NE LUST list, as provided by EDR, and dated 07/27/2016 has revealed that there are 2 NE LUST sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MOODY MOTOR CO File Number: 060799-TH-1509 File Number: 083090-99-0002 Facility Status: NO FURTHER ACTION (INCIDENT CLOSED)	251 SPRUCE AVE	NNW 0 - 1/8 (0.003 mi.)	A2	8
J AND K AUTO File Number: 122193-CT-1221 Facility Status: NO FURTHER ACTION (INCIDENT CLOSED)	255-115 SPRUCE	NNW 0 - 1/8 (0.010 mi.)	A6	10

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

NE 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 Environmental Control's Facility and Tank Data.

A review of the NE UST list, as provided by EDR, and dated 06/17/2016 has revealed that there are 2 NE UST sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MOODY MOTOR CO INC Facility ID: 6977	251 SPRUCE AVE	NNW 0 - 1/8 (0.003 mi.)	A1	8
<b>J &amp; K AUTO</b> Tank Id/Tank Status: Currently in Use Facility ID: 5426	<b>252-11 SPRUCE AVE</b>	<b>NNW 0 - 1/8 (0.007 mi.)</b>	<b>A5</b>	<b>9</b>

## ADDITIONAL ENVIRONMENTAL RECORDS

### ***Local Lists of Registered Storage Tanks***

NE HIST UST: A listing of underground storage tank locations. This listing contains detail information that the UST listing does not. It is no longer updated by the agency. For current information see the UST listing.

A review of the NE HIST UST list, as provided by EDR, and dated 02/28/2005 has revealed that there is

## EXECUTIVE SUMMARY

1 NE HIST UST site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>J &amp; K AUTO</b> Facility Id: 5426	<b>252-11 SPRUCE AVE</b>	<b>NNW 0 - 1/8 (0.007 mi.)</b>	<b>A5</b>	<b>9</b>

### EDR HIGH RISK HISTORICAL RECORDS

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

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

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 3 EDR Hist Auto sites within approximately 0.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	254 WALNUT ST	SSW 0 - 1/8 (0.074 mi.)	7	10
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	251 SPRUCE AVE	NNW 0 - 1/8 (0.003 mi.)	A3	9
Not reported	252 SPRUCE AVE	NNW 0 - 1/8 (0.007 mi.)	A4	9

## EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 1 records.

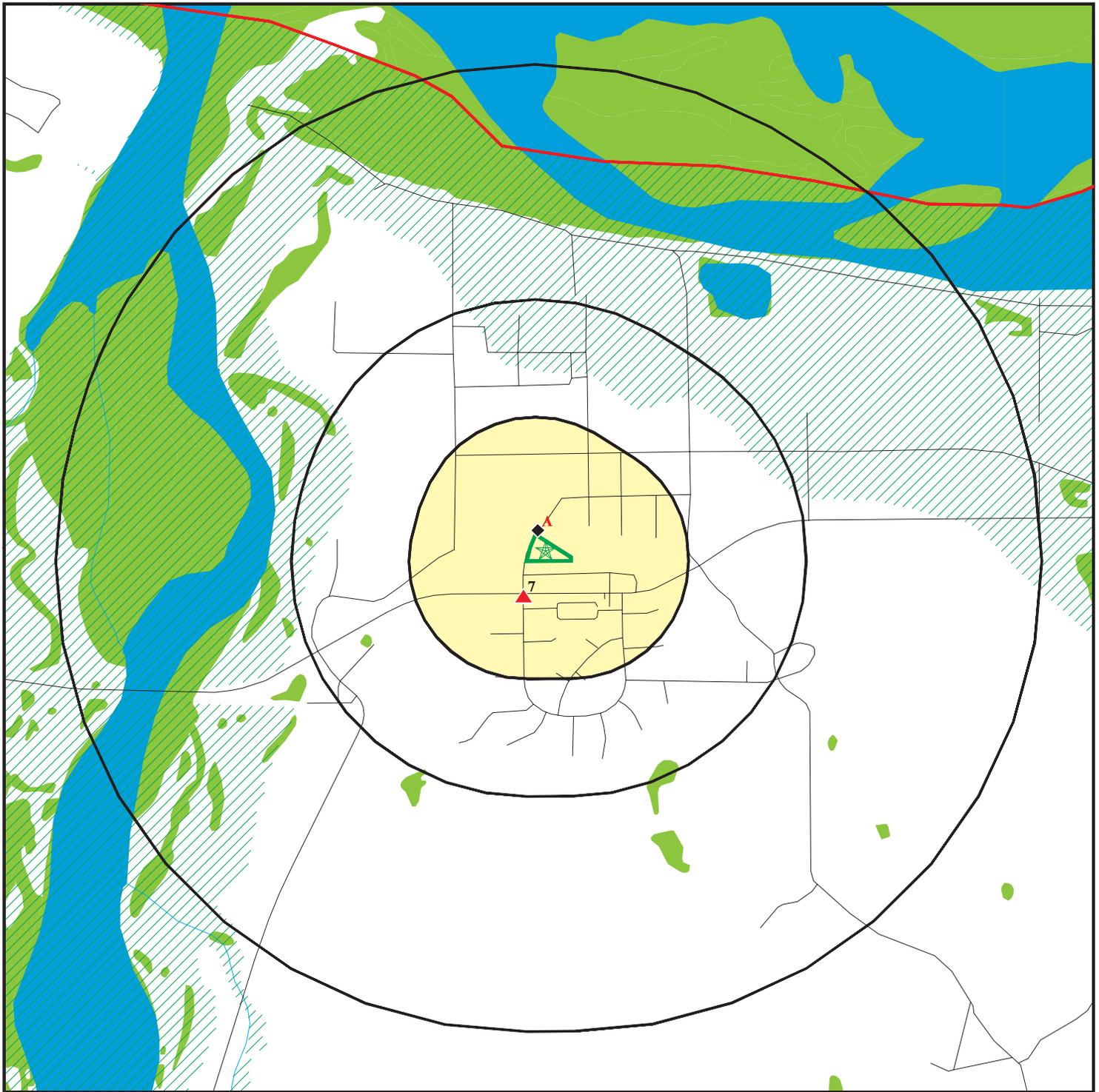
Site Name

Database(s)

DEW DROP INN

NE LUST

# OVERVIEW MAP - 4763064.2S



 Target Property

 Sites at elevations higher than or equal to the target property

 Sites at elevations lower than the target property

 Manufactured Gas Plants

 National Priority List Sites

 Dept. Defense Sites



 Indian Reservations BIA

 County Boundary

 100-year flood zone

 500-year flood zone

 National Wetland Inventory

 State Wetlands

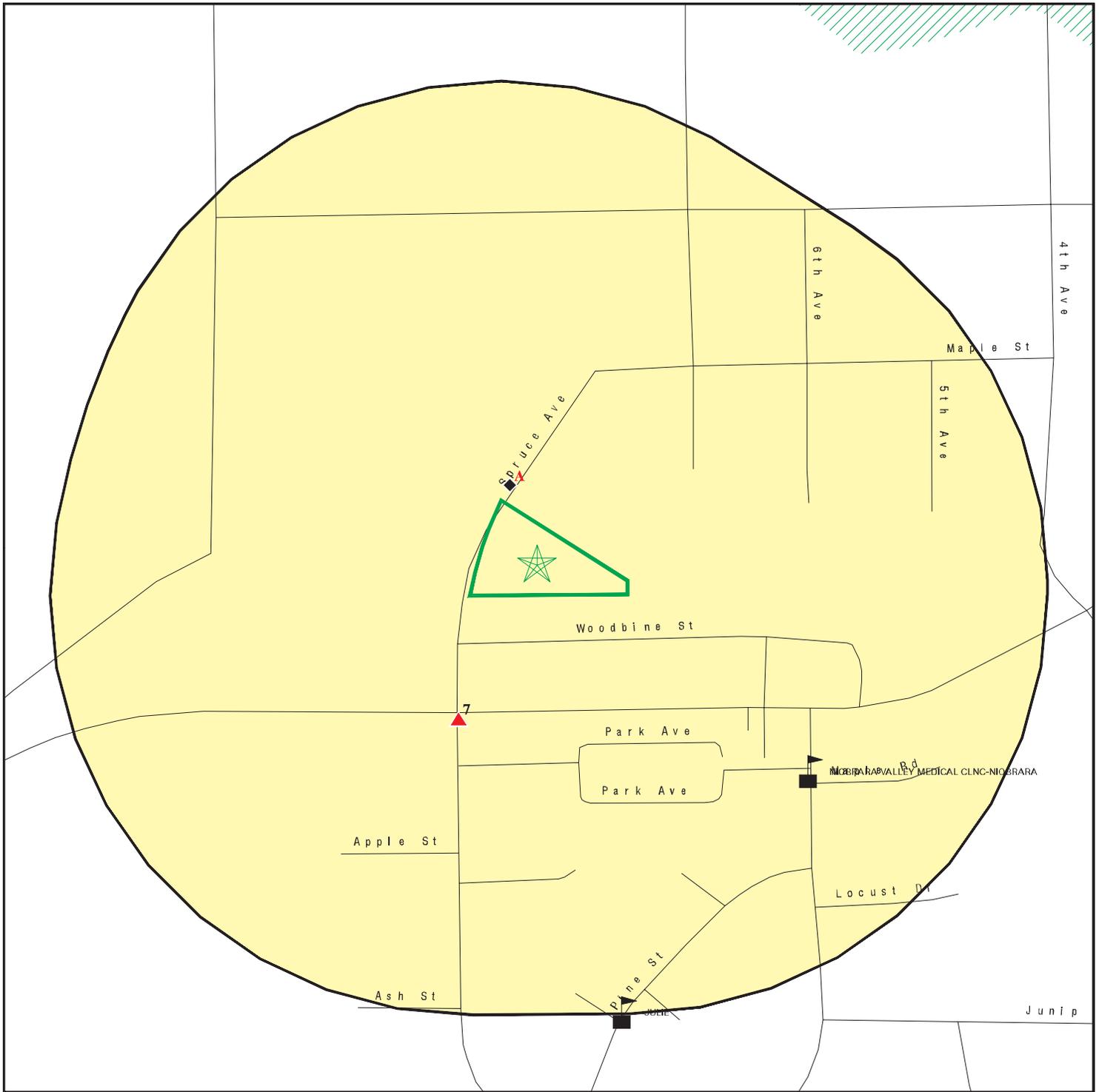


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Ponca Tribal Headquarters  
 ADDRESS: 2523 Woodbine Street  
 Niobrara NE 68760  
 LAT/LONG: 42.751689 / 98.033208

CLIENT: Tetra Tech EMI  
 CONTACT: Kaitlyn Bahr  
 INQUIRY #: 4763064.2s  
 DATE: October 25, 2016 10:21 pm

# DETAIL MAP - 4763064.2S



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

-  Indian Reservations BIA
-  100-year flood zone
-  500-year flood zone



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

<p>SITE NAME: Ponca Tribal Headquarters          ADDRESS: 2523 Woodbine Street          Niobrara NE 68760          LAT/LONG: 42.751689 / 98.033208</p>	<p>CLIENT: Tetra Tech EMI          CONTACT: Kaitlyn Bahr          INQUIRY #: 4763064.2s          DATE: October 25, 2016 10:22 pm</p>
--	--

## MAP FINDINGS SUMMARY

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

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SD LUST	0.500		0	0	0	NR	NR	0
SD LAST	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
<b>State and tribal registered storage tank lists</b>								
FEMA UST	0.250		0	0	NR	NR	NR	0
NE UST	0.250		2	0	NR	NR	NR	2
SD UST	0.250		0	0	NR	NR	NR	0
NE AST	0.250		0	0	NR	NR	NR	0
SD AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
<b>State and tribal institutional control / engineering control registries</b>								
NE INST CONTROL	0.500		0	0	0	NR	NR	0
SD INST CONTROL	0.500		0	0	0	NR	NR	0
<b>State and tribal voluntary cleanup sites</b>								
NE VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
<b>State and tribal Brownfields sites</b>								
NE BROWNFIELDS	0.500		0	0	0	NR	NR	0
SD BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b>ADDITIONAL ENVIRONMENTAL RECORDS</b>								
<b>Local Brownfield lists</b>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b>Local Lists of Landfill / Solid Waste Disposal Sites</b>								
NE SWRCY	0.500		0	0	0	NR	NR	0
SD SWRCY	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
<b>Local Lists of Hazardous waste / Contaminated Sites</b>								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
<b>Local Lists of Registered Storage Tanks</b>								
NE HIST UST	0.250		1	0	NR	NR	NR	1
NE HIST AST	TP		NR	NR	NR	NR	NR	0
<b>Local Land Records</b>								
LIENS 2	TP		NR	NR	NR	NR	NR	0
<b>Records of Emergency Release Reports</b>								
HMIRS	TP		NR	NR	NR	NR	NR	0

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NE SPILLS	TP		NR	NR	NR	NR	NR	0
SD SPILLS	TP		NR	NR	NR	NR	NR	0
NE SPILLS 90	TP		NR	NR	NR	NR	NR	0
SD SPILLS 90	TP		NR	NR	NR	NR	NR	0
NE SPILLS 80	TP		NR	NR	NR	NR	NR	0
<b>Other Ascertainable Records</b>								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
NE AIRS	TP		NR	NR	NR	NR	NR	0
SD AIRS	TP		NR	NR	NR	NR	NR	0
NE DRYCLEANERS	0.250		0	0	NR	NR	NR	0
SD DRYCLEANERS	0.250		0	0	NR	NR	NR	0
NE Financial Assurance	TP		NR	NR	NR	NR	NR	0
SD Financial Assurance	TP		NR	NR	NR	NR	NR	0
NE NPDES	TP		NR	NR	NR	NR	NR	0
SD NPDES	TP		NR	NR	NR	NR	NR	0
NE TIER 2	TP		NR	NR	NR	NR	NR	0
NE UIC	TP		NR	NR	NR	NR	NR	0

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SD UIC	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
ABANDONED MINES	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
<b><u>EDR HIGH RISK HISTORICAL RECORDS</u></b>								
<b><i>EDR Exclusive Records</i></b>								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		3	NR	NR	NR	NR	3
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
<b><u>EDR RECOVERED GOVERNMENT ARCHIVES</u></b>								
<b><i>Exclusive Recovered Govt. Archives</i></b>								
NE RGA HWS	TP		NR	NR	NR	NR	NR	0
NE RGA LUST	TP		NR	NR	NR	NR	NR	0
SD RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	8	0	0	0	0	8

**NOTES:**

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

A1  
NNW  
< 1/8  
0.003 mi.  
18 ft.

**MOODY MOTOR CO INC**  
**251 SPRUCE AVE**  
**NIOBRARA, NE 68760**  
**Site 1 of 6 in cluster A**

**NE UST** **U004057704**  
**N/A**

Relative:  
Lower

UST:

Facility:

Actual:  
1249 ft.

Facility ID: 6977  
Owner Name: MOODY MOTOR CO INC  
Owner Address: 251 SPRUCE AVE  
Owner City,St,Zip: NIOBRARA, NE 68760  
Tanks Currently In Use: 0  
Tanks Temp Out Of Use: 0  
Tanks Perm Out Of Use: 0  
Tanks Closed In Place: 0  
Tanks Removed: 2

Owner: MOODY MOTOR CO INC  
Owner Address: 251 SPRUCE AVE  
Owner City,St,Zip: NIOBRARA, NE 68760  
Owner Phone: Not reported  
Tank Corrosion Protection: Not reported  
Tank Id/Tank Status: 1 / Not Reported  
Tank Contents: Not reported  
Tank Size: Not reported  
Tank Date Installed: Not reported  
Tank Type: Not reported  
Tank Construction: Not reported  
Tank Internal Protection: Not reported  
Tank External Protection: Not reported  
Tank Secondary Containment: Not reported  
Piping Construction Material: Not reported

A2  
NNW  
< 1/8  
0.003 mi.  
18 ft.

**MOODY MOTOR CO**  
**251 SPRUCE AVE**  
**NIOBRARA, NE**  
**Site 2 of 6 in cluster A**

**NE LUST** **U001130797**  
**N/A**

Relative:  
Lower

LUST:

Actual:  
1249 ft.

**Facility Status: NO FURTHER ACTION (INCIDENT CLOSED)**  
Incident Type: UNDERGROUND STORAGE TANK - REGULATED UNDER FEDERAL RULES  
File Number: 060799-TH-1509  
Owner/RP: MOODY MOTOR CO  
SFM Num: 6977  
Owner Mailing Address: 251 SPRUCE AVE  
Owner Mailing City: NIOBRARA  
Owner Mailing State: NE  
Owner Mailing Zip: 68760  
Discovery Date: 04/02/1999  
Material Released: GASOLINE

**Facility Status: NO FURTHER ACTION (INCIDENT CLOSED)**  
Incident Type: UNDERGROUND STORAGE TANK - REGULATED UNDER FEDERAL RULES  
File Number: 083090-99-0002  
Owner/RP: MOODY MOTOR COMPANY INC  
SFM Num: 6977  
Owner Mailing Address: 251 SPRUCE AVE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOODY MOTOR CO (Continued)**

**U001130797**

Owner Mailing City: NIOBRARA  
Owner Mailing State: NE  
Owner Mailing Zip: 68760  
Discovery Date: 07/21/1990  
Material Released: WASTE OIL

**A3  
NNW  
< 1/8  
0.003 mi.  
18 ft.**

**251 SPRUCE AVE  
NIOBRARA, NE 68760**

**EDR Hist Auto 1015364446  
N/A**

**Site 3 of 6 in cluster A**

**Relative:  
Lower**

EDR Historical Auto Stations:

Name: MOODY MOTOR COMPANY  
Year: 2011  
Address: 251 SPRUCE AVE

**Actual:  
1249 ft.**

Name: MOODY MOTOR COMPANY  
Year: 2012  
Address: 251 SPRUCE AVE

**A4  
NNW  
< 1/8  
0.007 mi.  
35 ft.**

**252 SPRUCE AVE  
NIOBRARA, NE 68760**

**EDR Hist Auto 1015365577  
N/A**

**Site 4 of 6 in cluster A**

**Relative:  
Lower**

EDR Historical Auto Stations:

Name: J & K AUTO  
Year: 2009  
Address: 252 SPRUCE AVE

**Actual:  
1250 ft.**

**A5  
NNW  
< 1/8  
0.007 mi.  
35 ft.**

**J & K AUTO  
252-11 SPRUCE AVE  
NIOBRARA, NE 68760**

**NE UST U001130794  
NE HIST UST N/A**

**Site 5 of 6 in cluster A**

**Relative:  
Lower**

UST:

Facility:

Facility ID: 5426  
Owner Name: J & K AUTO  
Owner Address: PO BOX 152  
Owner City,St,Zip: NIOBRARA, NE  
Tanks Currently In Use: 1  
Tanks Temp Out Of Use: 0  
Tanks Perm Out Of Use: 0  
Tanks Closed In Place: 0  
Tanks Removed: 2

**Actual:  
1250 ft.**

Owner: J & K AUTO  
Owner Address: PO BOX 152  
Owner City,St,Zip: NIOBRARA, NE  
Owner Phone: 402-857-3700

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**J & K AUTO (Continued)**

**U001130794**

Tank Corrosion Protection: Not reported  
Tank Id/Tank Status: 3 / Currently in Use  
Tank Contents: Regular Unleaded  
Tank Size: 2000  
Tank Date Installed: 1993  
Tank Type: Federally Regulated  
Tank Construction: Steel  
Tank Internal Protection: None  
Tank External Protection: Galvanic/Sacrificial Current Cathodic Protection, Painted(e.g., asphaltic), STIP3 Tank  
Tank Secondary Containment: Not reported  
Piping Construction Material: Fiberglass Reinforced Plastic

**HIST UST:**

Facility ID: 5426  
Owner: J & K AUTO  
Owner Address: PO BOX 152  
Owner City,St,Zip: NIOBRARA, NE 687600152  
Tank Number: 3  
**Tank Usage Status: Currently in Use**  
Tank Size (Gal): 2000  
Tank Construction Material: Steel  
Tank Content(s): Gasoline  
Tank Installed: 1993  
Piping Construction Material(s): Fiberglass Reinforced Plastic

**A6  
NNW  
< 1/8  
0.010 mi.  
55 ft.**

**J AND K AUTO  
255-115 SPRUCE  
NIOBRARA, NE  
Site 6 of 6 in cluster A**

**NE LUST S102420508  
N/A**

**Relative:  
Lower**

**LUST:**

**Facility Status: NO FURTHER ACTION (INCIDENT CLOSED)**  
Incident Type: UNDERGROUND STORAGE TANK - REGULATED UNDER FEDERAL RULES  
File Number: 122193-CT-1221  
Owner/RP: J AND K AUTO  
SFM Num: 5426  
Owner Mailing Address: PO BOX 199  
Owner Mailing City: NIOBRARA  
Owner Mailing State: NE  
Owner Mailing Zip: 68760  
Discovery Date: 11/17/1993  
Material Released: GASOLINE

**Actual:  
1243 ft.**

**7  
SSW  
< 1/8  
0.074 mi.  
390 ft.**

**254 WALNUT ST  
NIOBRARA, NE 68760**

**EDR Hist Auto 1015367292  
N/A**

**Relative:  
Higher**

**EDR Historical Auto Stations:**

Name: DON AUTO SERVICE  
Year: 2008  
Address: 254 WALNUT ST

**Actual:  
1319 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**(Continued)**

**1015367292**

Name: DON AUTO SERVICE  
Year: 2009  
Address: 254 WALNUT ST

Count: 1 records.

ORPHAN SUMMARY

<u>City</u>	<u>EDR ID</u>	<u>Site Name</u>	<u>Site Address</u>	<u>Zip</u>	<u>Database(s)</u>
VERDEL	S105528745	DEW DROP INN	HWY 12 AND MAIN ST, NW CORNER		NE LUST

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

## STANDARD ENVIRONMENTAL RECORDS

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

#### NPL: National Priority List

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

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

#### NPL Site Boundaries

##### Sources:

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

EPA Region 1  
Telephone 617-918-1143

EPA Region 6  
Telephone: 214-655-6659

EPA Region 3  
Telephone 215-814-5418

EPA Region 7  
Telephone: 913-551-7247

EPA Region 4  
Telephone 404-562-8033

EPA Region 8  
Telephone: 303-312-6774

EPA Region 5  
Telephone 312-886-6686

EPA Region 9  
Telephone: 415-947-4246

EPA Region 10  
Telephone 206-553-8665

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

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

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

#### NPL LIENS: Federal Superfund Liens

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

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

### Delisted NPL: National Priority List Deletions

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

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

## ***Federal CERCLIS list***

### FEDERAL FACILITY: Federal Facility Site Information listing

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

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

### SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

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

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

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

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

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

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

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

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

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

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

Date of Government Version: 06/21/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/30/2016	Telephone: 913-551-7003
Date Made Active in Reports: 09/02/2016	Last EDR Contact: 09/28/2016
Number of Days to Update: 64	Next Scheduled EDR Contact: 01/09/2017
	Data Release Frequency: Quarterly

## ***Federal RCRA generators list***

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 06/21/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/30/2016	Telephone: 913-551-7003
Date Made Active in Reports: 09/02/2016	Last EDR Contact: 09/28/2016
Number of Days to Update: 64	Next Scheduled EDR Contact: 01/09/2017
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 06/21/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/30/2016	Telephone: 913-551-7003
Date Made Active in Reports: 09/02/2016	Last EDR Contact: 09/28/2016
Number of Days to Update: 64	Next Scheduled EDR Contact: 01/09/2017
	Data Release Frequency: Quarterly

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

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

Date of Government Version: 06/21/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/30/2016	Telephone: 913-551-7003
Date Made Active in Reports: 09/02/2016	Last EDR Contact: 09/28/2016
Number of Days to Update: 64	Next Scheduled EDR Contact: 01/09/2017
	Data Release Frequency: Varies

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

### LUCIS: Land Use Control Information System

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

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

### US ENG CONTROLS: Engineering Controls Sites List

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

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

### US INST CONTROL: Sites with Institutional Controls

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

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **Federal ERNS list**

### ERNS: Emergency Response Notification System

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

Date of Government Version: 03/28/2016  
Date Data Arrived at EDR: 03/30/2016  
Date Made Active in Reports: 05/20/2016  
Number of Days to Update: 51

Source: National Response Center, United States Coast Guard  
Telephone: 202-267-2180  
Last EDR Contact: 09/29/2016  
Next Scheduled EDR Contact: 01/09/2017  
Data Release Frequency: Annually

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

### NE SHWS: Superfund State Program List

The Nebraska Department of Environmental Quality is providing this information from its own database. The data, although not verified to be the most current or accurate for any specific site, is generally based on the contents of the physical documents in the files. You may contact the Records Management Unit at (402) 471-3557 to make arrangements to view or to get a photocopy of the physical file.

Date of Government Version: 06/20/2016  
Date Data Arrived at EDR: 06/21/2016  
Date Made Active in Reports: 09/14/2016  
Number of Days to Update: 85

Source: Dept. of Environmental Quality  
Telephone: 402-471-3557  
Last EDR Contact: 09/19/2016  
Next Scheduled EDR Contact: 01/02/2017  
Data Release Frequency: Varies

### SD 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: 0

Source: Department of Environment & Natural Resources  
Telephone: 605-773-3296  
Last EDR Contact: 09/19/2016  
Next Scheduled EDR Contact: 01/02/2017  
Data Release Frequency: No Update Planned

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

### NE SWF/LF: Licensed Landfill List

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

Date of Government Version: 07/27/2016  
Date Data Arrived at EDR: 07/29/2016  
Date Made Active in Reports: 09/14/2016  
Number of Days to Update: 47

Source: Department of Environmental Quality  
Telephone: 402-471-4210  
Last EDR Contact: 09/19/2016  
Next Scheduled EDR Contact: 01/02/2017  
Data Release Frequency: Semi-Annually

### SD SWF/LF: Solid Waste Facilities

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: 07/07/2016  
Date Data Arrived at EDR: 07/12/2016  
Date Made Active in Reports: 09/01/2016  
Number of Days to Update: 51

Source: Department of Environment and Natural Resources  
Telephone: 605-773-3153  
Last EDR Contact: 10/03/2016  
Next Scheduled EDR Contact: 01/16/2017  
Data Release Frequency: Semi-Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

### **NE LUST: Leaking Underground Storage Tank Sites**

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: 07/27/2016	Source: Department of Environmental Quality
Date Data Arrived at EDR: 07/29/2016	Telephone: 402-471-3557
Date Made Active in Reports: 09/14/2016	Last EDR Contact: 10/11/2016
Number of Days to Update: 47	Next Scheduled EDR Contact: 01/23/2017
	Data Release Frequency: Quarterly

### **NE LAST: Leaking Aboveground Storage Tank Sites**

Releases from an aboveground storage tank system.

Date of Government Version: 07/27/2016	Source: Department of Environmental Quality
Date Data Arrived at EDR: 07/29/2016	Telephone: 402-471-3557
Date Made Active in Reports: 09/14/2016	Last EDR Contact: 10/11/2016
Number of Days to Update: 47	Next Scheduled EDR Contact: 01/23/2017
	Data Release Frequency: Quarterly

### **SD 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. Please be aware that this is not a complete list of reported spills/release for the state of South Dakota.

Date of Government Version: 07/12/2016	Source: Department of Environment and Natural Resources
Date Data Arrived at EDR: 07/15/2016	Telephone: 605-773-3296
Date Made Active in Reports: 09/01/2016	Last EDR Contact: 10/13/2016
Number of Days to Update: 48	Next Scheduled EDR Contact: 01/23/2017
	Data Release Frequency: Quarterly

### **SD LAST: Leaking Aboveground Storage Tanks**

Leaking Aboveground Storage Tank Incident Reports.

Date of Government Version: 07/12/2016	Source: Department of Environment and Natural Resources
Date Data Arrived at EDR: 07/15/2016	Telephone: 605 773-3296
Date Made Active in Reports: 09/01/2016	Last EDR Contact: 10/13/2016
Number of Days to Update: 48	Next Scheduled EDR Contact: 01/23/2017
	Data Release Frequency: Quarterly

### **INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land**

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

Date of Government Version: 02/17/2016	Source: EPA, Region 5
Date Data Arrived at EDR: 04/27/2016	Telephone: 312-886-7439
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 07/27/2016
Number of Days to Update: 37	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Varies

### **INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land**

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 01/07/2016	Source: EPA Region 10
Date Data Arrived at EDR: 01/08/2016	Telephone: 206-553-2857
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 07/27/2016
Number of Days to Update: 41	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 02/25/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/27/2016	Telephone: 415-972-3372
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 07/27/2016
Number of Days to Update: 37	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Quarterly

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/13/2015	Source: EPA Region 8
Date Data Arrived at EDR: 10/23/2015	Telephone: 303-312-6271
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 07/27/2016
Number of Days to Update: 118	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Quarterly

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

Date of Government Version: 10/09/2015	Source: EPA Region 7
Date Data Arrived at EDR: 02/12/2016	Telephone: 913-551-7003
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 07/27/2016
Number of Days to Update: 112	Next Scheduled EDR Contact: 11/07/2016
	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: 12/11/2015	Source: EPA Region 6
Date Data Arrived at EDR: 02/19/2016	Telephone: 214-665-6597
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 07/27/2016
Number of Days to Update: 105	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Varies

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

Date of Government Version: 02/05/2016	Source: EPA Region 4
Date Data Arrived at EDR: 04/29/2016	Telephone: 404-562-8677
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 07/26/2016
Number of Days to Update: 35	Next Scheduled EDR Contact: 11/07/2016
	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: 10/27/2015	Source: EPA Region 1
Date Data Arrived at EDR: 10/29/2015	Telephone: 617-918-1313
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 07/29/2016
Number of Days to Update: 67	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Varies

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

FEMA UST: Underground Storage Tank Listing  
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010	Source: FEMA
Date Data Arrived at EDR: 02/16/2010	Telephone: 202-646-5797
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 10/11/2016
Number of Days to Update: 55	Next Scheduled EDR Contact: 01/23/2017
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## NE UST: Facility and 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: 06/17/2016	Source: Nebraska State Fire Marshal
Date Data Arrived at EDR: 08/03/2016	Telephone: 402-471-9664
Date Made Active in Reports: 09/14/2016	Last EDR Contact: 08/03/2016
Number of Days to Update: 42	Next Scheduled EDR Contact: 11/14/2016
	Data Release Frequency: Annually

## SD UST: Underground Storage Tanks

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

Date of Government Version: 05/10/2016	Source: Department of Environment and Natural Resources
Date Data Arrived at EDR: 05/13/2016	Telephone: 605-773-3296
Date Made Active in Reports: 06/15/2016	Last EDR Contact: 08/12/2016
Number of Days to Update: 33	Next Scheduled EDR Contact: 11/21/2016
	Data Release Frequency: Varies

## NE AST: AST Data

A listing of aboveground storage tank site locations. Aboveground storage tanks dispensing hazardous substances must register such tank with this office. Storage tanks of 1000 gallons or less are exempt from this requirement.

Date of Government Version: 05/31/2016	Source: State Fire Marshal
Date Data Arrived at EDR: 06/01/2016	Telephone: 402-471-9465
Date Made Active in Reports: 07/13/2016	Last EDR Contact: 08/26/2016
Number of Days to Update: 42	Next Scheduled EDR Contact: 12/12/2016
	Data Release Frequency: Semi-Annually

## SD AST: Aboveground Storage Tanks

Registered Aboveground Storage Tanks.

Date of Government Version: 05/10/2016	Source: Department of Environment & Natural Resources
Date Data Arrived at EDR: 05/13/2016	Telephone: 605-773-3296
Date Made Active in Reports: 06/15/2016	Last EDR Contact: 08/12/2016
Number of Days to Update: 33	Next Scheduled EDR Contact: 11/21/2016
	Data Release Frequency: Varies

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

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

Date of Government Version: 01/26/2016	Source: EPA Region 8
Date Data Arrived at EDR: 02/05/2016	Telephone: 303-312-6137
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 07/27/2016
Number of Days to Update: 119	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Quarterly

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

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

Date of Government Version: 09/23/2014	Source: EPA Region 7
Date Data Arrived at EDR: 11/25/2014	Telephone: 913-551-7003
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 07/27/2016
Number of Days to Update: 65	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## INDIAN UST R6: Underground Storage Tanks on Indian Land

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

Date of Government Version: 12/03/2015	Source: EPA Region 6
Date Data Arrived at EDR: 02/04/2016	Telephone: 214-665-7591
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 07/27/2016
Number of Days to Update: 120	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Semi-Annually

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

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

Date of Government Version: 02/25/2016	Source: EPA Region 9
Date Data Arrived at EDR: 04/27/2016	Telephone: 415-972-3368
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 07/27/2016
Number of Days to Update: 37	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Quarterly

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

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

Date of Government Version: 10/20/2015	Source: EPA, Region 1
Date Data Arrived at EDR: 10/29/2015	Telephone: 617-918-1313
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 07/29/2016
Number of Days to Update: 67	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Varies

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

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

Date of Government Version: 01/07/2016	Source: EPA Region 10
Date Data Arrived at EDR: 01/08/2016	Telephone: 206-553-2857
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 07/27/2016
Number of Days to Update: 41	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Quarterly

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

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

Date of Government Version: 11/05/2015	Source: EPA Region 5
Date Data Arrived at EDR: 11/13/2015	Telephone: 312-886-6136
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 07/27/2016
Number of Days to Update: 52	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Varies

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

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

Date of Government Version: 02/05/2016	Source: EPA Region 4
Date Data Arrived at EDR: 04/29/2016	Telephone: 404-562-9424
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 07/26/2016
Number of Days to Update: 35	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Semi-Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

### NE INST CONTROL: Nebraska's Institutional Control Registry

A list of sites within Nebraska that have institutional controls. According to the Environmental Protection Agency (EPA), institutional controls are "non-engineering measures designed to prevent or limit exposure to hazardous substances left in place at a site, or assure effectiveness of the chosen remedy. Institutional controls are usually, but not always, legal controls, such as easements, restrictive covenants, and zoning ordinances." In short, institutional controls are a type of environmental covenant typically used when property is to be cleaned up to a level determined by the potential environmental risks posed by a planned use, rather than to unrestricted use standards. This method of control has proven to be both environmentally and economically beneficial.

Date of Government Version: 03/14/2016	Source: Department of Environmental Quality
Date Data Arrived at EDR: 03/24/2016	Telephone: 402-471-2214
Date Made Active in Reports: 05/12/2016	Last EDR Contact: 09/23/2016
Number of Days to Update: 49	Next Scheduled EDR Contact: 01/02/2017
	Data Release Frequency: Varies

### SD INST CONTROL: List of Brownfields Sites Sites that have institutional controls in place.

Date of Government Version: 07/12/2016	Source: Department of Environment & Natural Resources
Date Data Arrived at EDR: 07/18/2016	Telephone: 605-773-3296
Date Made Active in Reports: 09/01/2016	Last EDR Contact: 10/13/2016
Number of Days to Update: 45	Next Scheduled EDR Contact: 01/23/2017
	Data Release Frequency: Varies

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

### NE VCP: RAPMA Sites

The Remedial Action Plan Monitoring Act (RAPMA), initially created in 1995, provides property owners and parties responsible for contamination with a mechanism for developing voluntary environmental cleanup plans which are reviewed and approved by the Department.

Date of Government Version: 03/14/2016	Source: Department of Environmental Quality
Date Data Arrived at EDR: 03/24/2016	Telephone: 402-471-2186
Date Made Active in Reports: 05/12/2016	Last EDR Contact: 09/23/2016
Number of Days to Update: 49	Next Scheduled EDR Contact: 01/02/2017
	Data Release Frequency: Varies

### INDIAN VCP R7: Voluntary Cleanup Priority Listing

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

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

### INDIAN VCP R1: Voluntary Cleanup Priority Listing

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

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

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## NE BROWNFIELDS: Potential Brownfields Inventory Listing

"NDEQ defines a brownfields site as subpart (A) of CERCLA ? 101(39): 'Real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant.' This is a broad-based approach to capture all potential brownfields sites. In the event that CERCLA 128(a) State Response Program funds are utilized - for example, conducting a Section 128(a) Assessment - the exclusions, site-by-site determinations, and further definitions as provided by the law would need to be met. This would be done on a site-by-site basis." A preliminary Survey and Inventory of Brownfields Sites in Nebraska was constructed based on previously submitted information including sites named specifically by city representatives. The list was built on facility characteristics, which were founded on previous, broad-based contamination experience. Additions to the inventory were made by looking for other sources of potential brownfields sites using Standard Industrial Classification (SIC) codes. A general sector list was constructed to serve as an inventory guide. This list shows all of the different types of sites that are within the inventory (sorted by SIC code), and the number of sites there are of each type. Color-coated blocks, which group together similar SIC codes and the sites that they encompass also sort the sectors.

Date of Government Version: 06/21/2016	Source: Department of Environmental Quality
Date Data Arrived at EDR: 06/22/2016	Telephone: 402-471-2186
Date Made Active in Reports: 09/14/2016	Last EDR Contact: 09/21/2016
Number of Days to Update: 84	Next Scheduled EDR Contact: 01/01/2017
	Data Release Frequency: Varies

## SD BROWNFIELDS: List of Brownfields Sites

The concept of the South Dakota's 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 where redevelopment is complicated by real or perceived environmental contamination.

Date of Government Version: 07/12/2016	Source: Department of Environment & Natural Resources
Date Data Arrived at EDR: 07/15/2016	Telephone: 605-773-3296
Date Made Active in Reports: 09/01/2016	Last EDR Contact: 10/13/2016
Number of Days to Update: 48	Next Scheduled EDR Contact: 01/23/2017
	Data Release Frequency: Varies

## **ADDITIONAL ENVIRONMENTAL RECORDS**

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

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

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

Date of Government Version: 06/21/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/22/2016	Telephone: 202-566-2777
Date Made Active in Reports: 09/02/2016	Last EDR Contact: 09/21/2016
Number of Days to Update: 72	Next Scheduled EDR Contact: 01/02/2017
	Data Release Frequency: Semi-Annually

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

#### NE SWRCY: Recycling Resource Directory

A listing of recycling facilities.

Date of Government Version: 09/26/2014	Source: Department of Environmental Quality
Date Data Arrived at EDR: 09/26/2014	Telephone: 402-471-6974
Date Made Active in Reports: 11/03/2014	Last EDR Contact: 09/19/2016
Number of Days to Update: 38	Next Scheduled EDR Contact: 01/02/2017
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SD SWRCY: Businesses that Accept Recyclables  
A listing of recycling facilities.

Date of Government Version: 07/05/2016  
Date Data Arrived at EDR: 07/07/2016  
Date Made Active in Reports: 09/01/2016  
Number of Days to Update: 56

Source: Department of Environmental & Natural Resources  
Telephone: 605-773-3153  
Last EDR Contact: 10/05/2016  
Next Scheduled EDR Contact: 01/16/2017  
Data Release Frequency: Semi-Annually

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

Date of Government Version: 12/31/1998  
Date Data Arrived at EDR: 12/03/2007  
Date Made Active in Reports: 01/24/2008  
Number of Days to Update: 52

Source: Environmental Protection Agency  
Telephone: 703-308-8245  
Last EDR Contact: 08/05/2016  
Next Scheduled EDR Contact: 11/14/2016  
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

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

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

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

ODI: Open Dump Inventory

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

Date of Government Version: 06/30/1985  
Date Data Arrived at EDR: 08/09/2004  
Date Made Active in Reports: 09/17/2004  
Number of Days to Update: 39

Source: Environmental Protection Agency  
Telephone: 800-424-9346  
Last EDR Contact: 06/09/2004  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

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

US HIST CDL: National Clandestine Laboratory Register

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

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

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

US CDL: Clandestine Drug Labs

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

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

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **Local Lists of Registered Storage Tanks**

### **NE HIST UST: Underground Storage Tank Database Listing**

A listing of underground storage tank locations. This listing contains detail information that the UST listing does not. It is no longer updated by the agency. For current information see the UST listing.

Date of Government Version: 02/28/2005	Source: State Fire Marshal
Date Data Arrived at EDR: 09/01/2006	Telephone: 402-471-2027
Date Made Active in Reports: 10/11/2006	Last EDR Contact: 02/23/2009
Number of Days to Update: 40	Next Scheduled EDR Contact: 05/25/2009
	Data Release Frequency: No Update Planned

### **NE HIST AST: Aboveground Storage Tank Database Listing**

A listing of aboveground storage tank locations. This listing contains detail information that the AST listing does not. It is no longer updated by the agency. For current information see the AST listing.

Date of Government Version: 10/19/2004	Source: State Fire Marshal
Date Data Arrived at EDR: 09/01/2006	Telephone: 402-471-2027
Date Made Active in Reports: 10/11/2006	Last EDR Contact: 03/23/2009
Number of Days to Update: 40	Next Scheduled EDR Contact: 06/22/2009
	Data Release Frequency: No Update Planned

## **Local Land Records**

### **LIENS 2: CERCLA Lien Information**

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

Date of Government Version: 02/18/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/18/2014	Telephone: 202-564-6023
Date Made Active in Reports: 04/24/2014	Last EDR Contact: 07/29/2016
Number of Days to Update: 37	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Varies

## **Records of Emergency Release Reports**

### **HMIRS: Hazardous Materials Information Reporting System**

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

Date of Government Version: 06/27/2016	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 06/28/2016	Telephone: 202-366-4555
Date Made Active in Reports: 09/23/2016	Last EDR Contact: 09/27/2016
Number of Days to Update: 87	Next Scheduled EDR Contact: 01/09/2017
	Data Release Frequency: Annually

### **NE SPILLS: Surface Spill List**

Releases of petroleum or hazardous substances to the air, land, or water.

Date of Government Version: 07/27/2016	Source: Department of Environmental Quality
Date Data Arrived at EDR: 07/29/2016	Telephone: 402-471-2186
Date Made Active in Reports: 09/14/2016	Last EDR Contact: 10/11/2016
Number of Days to Update: 47	Next Scheduled EDR Contact: 01/23/2017
	Data Release Frequency: Quarterly

### **SD SPILLS: Spills**

Spills and releases of regulated substances.

Date of Government Version: 07/12/2016	Source: Department of Environment and Natural Resources
Date Data Arrived at EDR: 07/15/2016	Telephone: 605-773-3296
Date Made Active in Reports: 09/01/2016	Last EDR Contact: 10/13/2016
Number of Days to Update: 48	Next Scheduled EDR Contact: 01/23/2017
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## NE SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 10/09/2012	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 03/06/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 62	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## SD SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 11/02/2012	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 03/15/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 71	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## NE SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 04/15/2003	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 03/06/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 62	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## **Other Ascertainable Records**

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

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

Date of Government Version: 06/21/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/30/2016	Telephone: 913-551-7003
Date Made Active in Reports: 09/02/2016	Last EDR Contact: 09/28/2016
Number of Days to Update: 64	Next Scheduled EDR Contact: 01/09/2017
	Data Release Frequency: Varies

### FUDS: Formerly Used Defense Sites

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

Date of Government Version: 01/31/2015	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 07/08/2015	Telephone: 202-528-4285
Date Made Active in Reports: 10/13/2015	Last EDR Contact: 09/09/2016
Number of Days to Update: 97	Next Scheduled EDR Contact: 12/19/2016
	Data Release Frequency: Varies

### DOD: Department of Defense Sites

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

## FEDLAND: Federal and Indian Lands

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

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

Source: U.S. Geological Survey  
Telephone: 888-275-8747  
Last EDR Contact: 10/14/2016  
Next Scheduled EDR Contact: 01/23/2017  
Data Release Frequency: N/A

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

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

Date of Government Version: 03/07/2011  
Date Data Arrived at EDR: 03/09/2011  
Date Made Active in Reports: 05/02/2011  
Number of Days to Update: 54

Source: Environmental Protection Agency  
Telephone: 615-532-8599  
Last EDR Contact: 10/20/2016  
Next Scheduled EDR Contact: 11/28/2016  
Data Release Frequency: Varies

## US FIN ASSUR: Financial Assurance Information

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

Date of Government Version: 07/12/2016  
Date Data Arrived at EDR: 08/17/2016  
Date Made Active in Reports: 10/21/2016  
Number of Days to Update: 65

Source: Environmental Protection Agency  
Telephone: 202-566-1917  
Last EDR Contact: 08/17/2016  
Next Scheduled EDR Contact: 11/28/2016  
Data Release Frequency: Quarterly

## EPA WATCH LIST: EPA WATCH LIST

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

Date of Government Version: 08/30/2013  
Date Data Arrived at EDR: 03/21/2014  
Date Made Active in Reports: 06/17/2014  
Number of Days to Update: 88

Source: Environmental Protection Agency  
Telephone: 617-520-3000  
Last EDR Contact: 08/08/2016  
Next Scheduled EDR Contact: 11/21/2016  
Data Release Frequency: Quarterly

## 2020 COR ACTION: 2020 Corrective Action Program List

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/22/2013  
Date Data Arrived at EDR: 03/03/2015  
Date Made Active in Reports: 03/09/2015  
Number of Days to Update: 6

Source: Environmental Protection Agency  
Telephone: 703-308-4044  
Last EDR Contact: 09/06/2016  
Next Scheduled EDR Contact: 11/21/2016  
Data Release Frequency: Varies

## TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2012  
Date Data Arrived at EDR: 01/15/2015  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 14

Source: EPA  
Telephone: 202-260-5521  
Last EDR Contact: 09/23/2016  
Next Scheduled EDR Contact: 01/02/2017  
Data Release Frequency: Every 4 Years

## TRIS: Toxic Chemical Release Inventory System

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

Date of Government Version: 12/31/2014  
Date Data Arrived at EDR: 11/24/2015  
Date Made Active in Reports: 04/05/2016  
Number of Days to Update: 133

Source: EPA  
Telephone: 202-566-0250  
Last EDR Contact: 08/26/2016  
Next Scheduled EDR Contact: 12/05/2016  
Data Release Frequency: Annually

## SSTS: Section 7 Tracking Systems

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

Date of Government Version: 12/31/2009  
Date Data Arrived at EDR: 12/10/2010  
Date Made Active in Reports: 02/25/2011  
Number of Days to Update: 77

Source: EPA  
Telephone: 202-564-4203  
Last EDR Contact: 10/24/2016  
Next Scheduled EDR Contact: 02/06/2017  
Data Release Frequency: Annually

## ROD: Records Of Decision

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

Date of Government Version: 11/25/2013  
Date Data Arrived at EDR: 12/12/2013  
Date Made Active in Reports: 02/24/2014  
Number of Days to Update: 74

Source: EPA  
Telephone: 703-416-0223  
Last EDR Contact: 09/09/2016  
Next Scheduled EDR Contact: 12/19/2016  
Data Release Frequency: Annually

## RMP: Risk Management Plans

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 05/01/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/26/2016	Telephone: 202-564-8600
Date Made Active in Reports: 09/02/2016	Last EDR Contact: 07/25/2016
Number of Days to Update: 99	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Varies

### RAATS: RCRA Administrative Action Tracking System

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

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

### PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 10/17/2014	Telephone: 202-564-6023
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 08/12/2016
Number of Days to Update: 3	Next Scheduled EDR Contact: 11/21/2016
	Data Release Frequency: Quarterly

### PADS: PCB Activity Database System

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

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

### ICIS: Integrated Compliance Information System

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

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/17/2016
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/05/2016
	Data Release Frequency: Quarterly

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

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/17/2016
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/05/2016
	Data Release Frequency: Quarterly

**MLTS: Material Licensing Tracking System**

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

Date of Government Version: 08/30/2016	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 09/08/2016	Telephone: 301-415-7169
Date Made Active in Reports: 10/21/2016	Last EDR Contact: 09/05/2016
Number of Days to Update: 43	Next Scheduled EDR Contact: 11/21/2016
	Data Release Frequency: Quarterly

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

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

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

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

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

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

**PCB TRANSFORMER: PCB Transformer Registration Database**

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

Date of Government Version: 02/01/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/19/2011	Telephone: 202-566-0517
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 07/29/2016
Number of Days to Update: 83	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Varies

**RADINFO: Radiation Information Database**

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

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

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

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

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

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

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

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

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

## DOT OPS: Incident and Accident Data

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

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

Source: Department of Transportation, Office of Pipeline Safety  
Telephone: 202-366-4595  
Last EDR Contact: 08/02/2016  
Next Scheduled EDR Contact: 11/14/2016  
Data Release Frequency: Varies

## CONSENT: Superfund (CERCLA) Consent Decrees

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

Date of Government Version: 03/31/2016  
Date Data Arrived at EDR: 08/01/2016  
Date Made Active in Reports: 09/23/2016  
Number of Days to Update: 53

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

## BRS: Biennial Reporting System

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

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

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## INDIAN RESERV: Indian Reservations

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

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 12/08/2006	Telephone: 202-208-3710
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 10/14/2016
Number of Days to Update: 34	Next Scheduled EDR Contact: 01/23/2017
	Data Release Frequency: Semi-Annually

## FUSRAP: Formerly Utilized Sites Remedial Action Program

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

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

## UMTRA: Uranium Mill Tailings Sites

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

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

## LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

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

## LEAD SMELTER 2: Lead Smelter Sites

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

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

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

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

## US AIRS MINOR: Air Facility System Data A listing of minor source facilities.

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

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

## US MINES: Mines Master Index File

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

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

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

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

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

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

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

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

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

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

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

## FINDS: Facility Index System/Facility Registry System

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

Date of Government Version: 07/20/2015  
Date Data Arrived at EDR: 09/09/2015  
Date Made Active in Reports: 11/03/2015  
Number of Days to Update: 55

Source: EPA  
Telephone: (913) 551-7003  
Last EDR Contact: 09/07/2016  
Next Scheduled EDR Contact: 12/19/2016  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## DOCKET HWC: Hazardous Waste Compliance Docket Listing

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

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

## UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

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

## NE AIRS: Air State Program List

A listing of air program facilities.

Date of Government Version: 06/20/2016	Source: Department of Environmental Quality
Date Data Arrived at EDR: 06/21/2016	Telephone: 402-471-3389
Date Made Active in Reports: 09/14/2016	Last EDR Contact: 09/19/2016
Number of Days to Update: 85	Next Scheduled EDR Contact: 01/02/2017
	Data Release Frequency: Quarterly

## SD AIRS: Air Emissions Listing

A listing of facilities with air emissions.

Date of Government Version: 07/05/2016	Source: Department of Environment & Natural Resources
Date Data Arrived at EDR: 07/06/2016	Telephone: 605-773-4209
Date Made Active in Reports: 09/01/2016	Last EDR Contact: 10/03/2016
Number of Days to Update: 57	Next Scheduled EDR Contact: 01/16/2017
	Data Release Frequency: Varies

## NE DRYCLEANERS: Drycleaner Facility Listing

A listing of drycleaner facilities in Nebraska.

Date of Government Version: 06/20/2016	Source: Department of Environmental Quality
Date Data Arrived at EDR: 06/21/2016	Telephone: 402-471-3557
Date Made Active in Reports: 09/14/2016	Last EDR Contact: 09/30/2016
Number of Days to Update: 85	Next Scheduled EDR Contact: 01/02/2017
	Data Release Frequency: Varies

## SD DRYCLEANERS: Listing of Registered Drycleaners

A listing of registered drycleaner facility locations.

Date of Government Version: 07/05/2016	Source: Department of Environmental & Natural Resources
Date Data Arrived at EDR: 07/06/2016	Telephone: 605-773-3151
Date Made Active in Reports: 09/01/2016	Last EDR Contact: 10/03/2016
Number of Days to Update: 57	Next Scheduled EDR Contact: 01/16/2017
	Data Release Frequency: Varies

## NE Financial Assurance: Financial Assurance Information Listing

Financial assurance information for solid and hazardous waste sites.

Date of Government Version: 12/01/2015	Source: Department of Environmental Quality
Date Data Arrived at EDR: 12/23/2015	Telephone: 402-471-2186
Date Made Active in Reports: 03/01/2016	Last EDR Contact: 09/20/2016
Number of Days to Update: 69	Next Scheduled EDR Contact: 01/02/2017
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## SD Financial Assurance: Financial Assurance Information Listing

A listing of financial assurance information for hazardous waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 04/04/2016  
Date Data Arrived at EDR: 04/06/2016  
Date Made Active in Reports: 06/14/2016  
Number of Days to Update: 69

Source: Department of Environment & Natural Resources  
Telephone: 605-773-3153  
Last EDR Contact: 09/19/2016  
Next Scheduled EDR Contact: 01/02/2017  
Data Release Frequency: Varies

## NE NPDES: Wastewater Database Listing

A listing of permitted wastewater facilities.

Date of Government Version: 06/06/2016  
Date Data Arrived at EDR: 06/09/2016  
Date Made Active in Reports: 07/20/2016  
Number of Days to Update: 41

Source: Department of Environmental Quality  
Telephone: 402-471-3557  
Last EDR Contact: 09/06/2016  
Next Scheduled EDR Contact: 12/19/2016  
Data Release Frequency: Quarterly

## SD NPDES: Wastewater Permit Listing

A listing of wastewater permit facility locations.

Date of Government Version: 06/21/2016  
Date Data Arrived at EDR: 06/22/2016  
Date Made Active in Reports: 09/01/2016  
Number of Days to Update: 71

Source: Department of Environment & Natural Resources  
Telephone: 605-773-3351  
Last EDR Contact: 09/22/2016  
Next Scheduled EDR Contact: 01/02/2017  
Data Release Frequency: Varies

## NE TIER 2: Tier 2 Facility Listing

A listing of facilities which store or manufacture hazardous materials that submit a chemical inventory report.

Date of Government Version: 12/31/2015  
Date Data Arrived at EDR: 08/01/2016  
Date Made Active in Reports: 09/14/2016  
Number of Days to Update: 44

Source: Department of Environmental Quality  
Telephone: 402-471-3557  
Last EDR Contact: 09/06/2016  
Next Scheduled EDR Contact: 12/19/2016  
Data Release Frequency: Varies

## NE UIC: Underground Injection Control Database

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

Date of Government Version: 05/04/2016  
Date Data Arrived at EDR: 05/10/2016  
Date Made Active in Reports: 07/13/2016  
Number of Days to Update: 64

Source: Department of Environmental Quality  
Telephone: 402-471-2186  
Last EDR Contact: 07/29/2016  
Next Scheduled EDR Contact: 11/14/2016  
Data Release Frequency: Varies

## SD UIC: Underground Injection Wells Listing

A listing of wells identified as underground injection wells, in the South Dakota Oil and Gas Wells data base.

Date of Government Version: 04/15/2016  
Date Data Arrived at EDR: 05/20/2016  
Date Made Active in Reports: 06/15/2016  
Number of Days to Update: 26

Source: Department of Environment & Natural Resources  
Telephone: 605-394-2229  
Last EDR Contact: 08/19/2016  
Next Scheduled EDR Contact: 11/28/2016  
Data Release Frequency: Varies

## FUELS PROGRAM: EPA Fuels Program Registered Listing

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

## ECHO: Enforcement & Compliance History Information

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

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

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

## ABANDONED MINES: Abandoned Mines

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

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

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

## EDR HIGH RISK HISTORICAL RECORDS

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

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

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

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

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

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

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

## EDR Hist Cleaner: EDR Exclusive Historic Dry Cleaners

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

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

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

## EDR RECOVERED GOVERNMENT ARCHIVES

### *Exclusive Recovered Govt. Archives*

#### NE RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Quality in Nebraska.

Date of Government Version: N/A  
Date Data Arrived at EDR: 07/01/2013  
Date Made Active in Reports: 01/03/2014  
Number of Days to Update: 186

Source: Department of Environmental Quality  
Telephone: N/A  
Last EDR Contact: 06/01/2012  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

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

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

Date of Government Version: N/A  
Date Data Arrived at EDR: 07/01/2013  
Date Made Active in Reports: 01/03/2014  
Number of Days to Update: 186

Source: Department of Environmental Quality  
Telephone: N/A  
Last EDR Contact: 06/01/2012  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

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

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

Date of Government Version: N/A  
Date Data Arrived at EDR: 07/01/2013  
Date Made Active in Reports: 01/04/2014  
Number of Days to Update: 187

Source: Department of Environment & Natural Resources  
Telephone: N/A  
Last EDR Contact: 06/01/2012  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

# 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: 07/30/2013	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 08/19/2013	Telephone: 860-424-3375
Date Made Active in Reports: 10/03/2013	Last EDR Contact: 08/10/2016
Number of Days to Update: 45	Next Scheduled EDR Contact: 11/28/2016
	Data Release Frequency: No Update Planned

### NY MANIFEST: Facility and Manifest Data

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

Date of Government Version: 08/01/2016	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 08/03/2016	Telephone: 518-402-8651
Date Made Active in Reports: 09/09/2016	Last EDR Contact: 08/03/2016
Number of Days to Update: 37	Next Scheduled EDR Contact: 11/14/2016
	Data Release Frequency: Annually

### WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2015	Source: Department of Natural Resources
Date Data Arrived at EDR: 04/14/2016	Telephone: N/A
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 09/12/2016
Number of Days to Update: 50	Next Scheduled EDR Contact: 12/26/2016
	Data Release Frequency: Annually

### Oil/Gas Pipelines

Source: PennWell Corporation

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

### Electric Power Transmission Line Data

Source: PennWell Corporation

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

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

### AHA Hospitals:

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

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

### Medical Centers: Provider of Services Listing

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

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

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

## Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

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

## Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

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

## Daycare Centers: Child Care Listing

Source: Department of Health & Human Services

Telephone: 402-471-2306

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

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

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

## State Wetlands Data: National Wetlands Inventory

Source: Department of Natural Resources

Telephone: 402-471-2363

## Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

## **STREET AND ADDRESS INFORMATION**

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

### **TARGET PROPERTY ADDRESS**

PONCA TRIBAL HEADQUARTERS  
2523 WOODBINE STREET  
NIOBRARA, NE 68760

### **TARGET PROPERTY COORDINATES**

Latitude (North):	42.751689 - 42° 45' 6.08"
Longitude (West):	98.033208 - 98° 1' 59.55"
Universal Transverse Mercator:	Zone 14
UTM X (Meters):	579120.8
UTM Y (Meters):	4733479.5
Elevation:	1282 ft. above sea level

### **USGS TOPOGRAPHIC MAP**

Target Property Map:	6714452 NIOBRARA, NE
Version Date:	2014

South Map:	6714480 VERDIGRE NE, NE
Version Date:	2014

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

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

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

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

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW DIRECTION INFORMATION

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

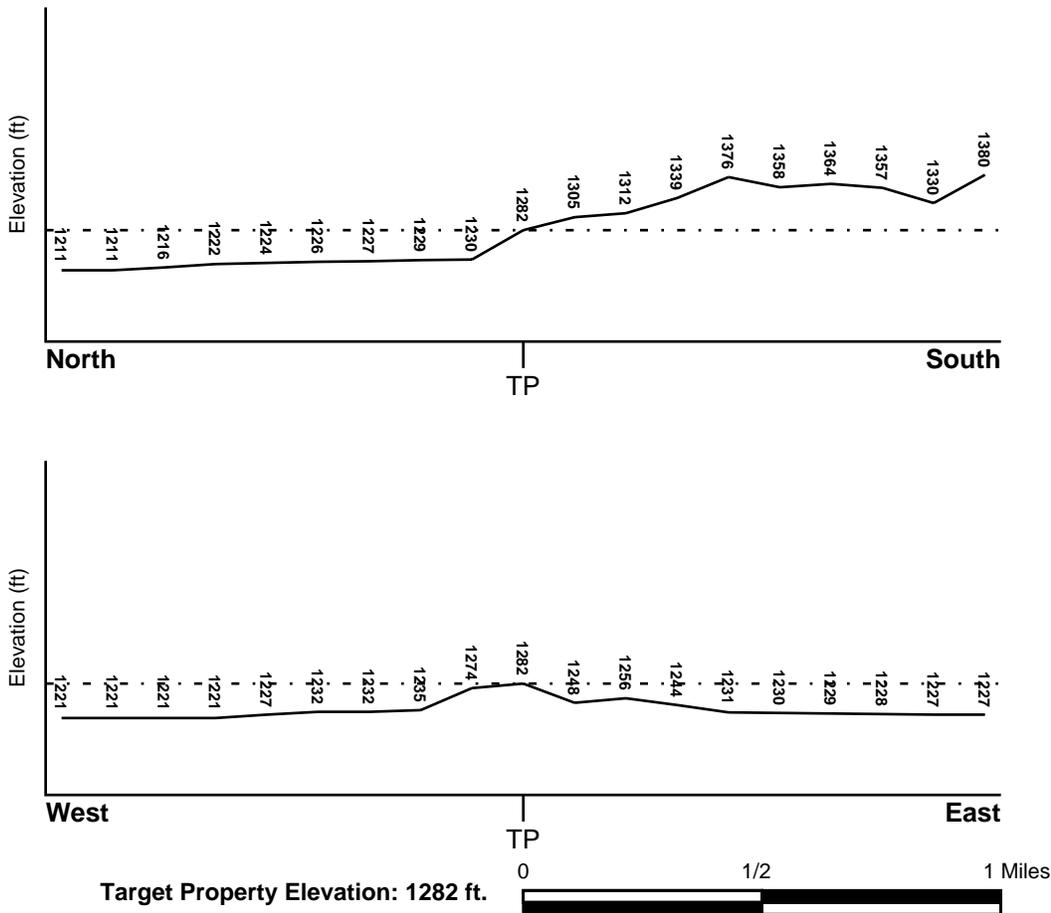
## TOPOGRAPHIC INFORMATION

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

## TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General North

## SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## HYDROLOGIC INFORMATION

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

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

## **FEMA FLOOD ZONE**

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
46023C0850C	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
31107C0300C	FEMA FIRM Flood data

## **NATIONAL WETLAND INVENTORY**

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
NIOBRARA	YES - refer to the Overview Map and Detail Map

## HYDROGEOLOGIC INFORMATION

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

## **AQUIFLOW®**

Search Radius: 1.000 Mile.

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

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

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### GROUNDWATER FLOW VELOCITY INFORMATION

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

### GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

#### **ROCK STRATIGRAPHIC UNIT**

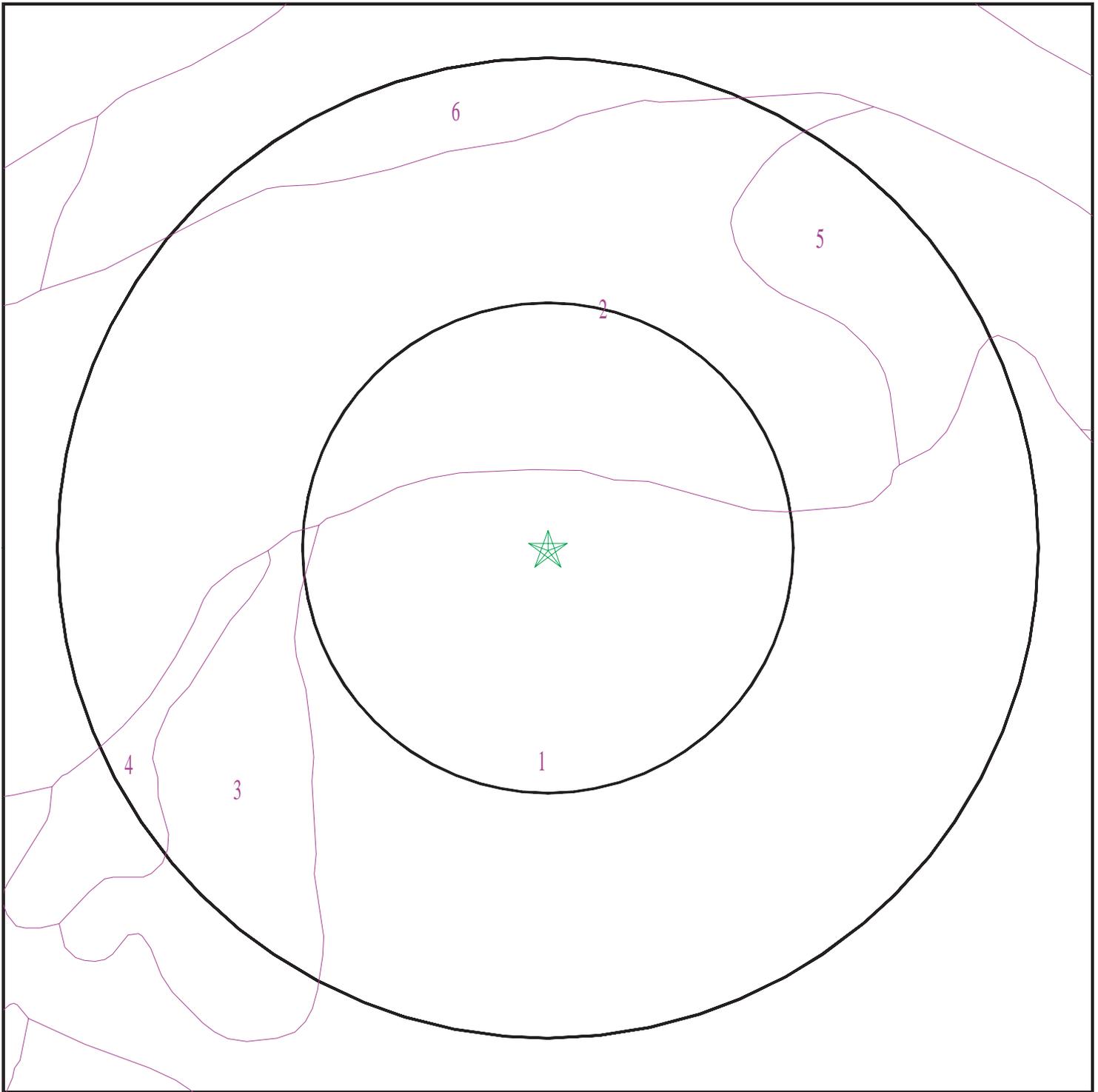
Era: Mesozoic  
System: Cretaceous  
Series: Austin and Eagle Ford Groups  
Code: uK2 (*decoded above as Era, System & Series*)

#### **GEOLOGIC AGE IDENTIFICATION**

Category: Stratified Sequence

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

# SSURGO SOIL MAP - 4763064.2s



- ★ Target Property
- SSURGO Soil
- Water



SITE NAME: Ponca Tribal Headquarters  
ADDRESS: 2523 Woodbine Street  
Niobrara NE 68760  
LAT/LONG: 42.751689 / 98.033208

CLIENT: Tetra Tech EMI  
CONTACT: Kaitlyn Bahr  
INQUIRY #: 4763064.2s  
DATE: October 25, 2016 10:22 pm

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

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

### Soil Map ID: 1

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class:  
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	59 inches	variable	Not reported	Not reported	Max: 42.33 Min: 0.4233	Max: Min:

### Soil Map ID: 2

Soil Component Name: GIBBON

Soil Surface Texture: silt loam

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

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 69 inches

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	11 inches	silt loam	Not reported	Not reported	Max: 14.11 Min: 4.233	Max: 8.4 Min: 7.4
2	11 inches	35 inches	silty clay loam	Not reported	Not reported	Max: 4.233 Min: 1.411	Max: 8.4 Min: 7.4
3	35 inches	79 inches	stratified very fine sandy loam to silty clay loam	Not reported	Not reported	Max: 4.233 Min: 1.411	Max: 8.4 Min: 7.9

### Soil Map ID: 3

Soil Component Name: SIMEON

Soil Surface Texture: sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	sand	Not reported	Not reported	Max: 141 Min: 42	Max: 7.8 Min: 6.1
2	5 inches	59 inches	sand	Not reported	Not reported	Max: 141 Min: 42	Max: 7.8 Min: 6.1

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### Soil Map ID: 4

Soil Component Name: GAVINS

Soil Surface Texture: silt loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	3 inches	silt loam	Not reported	Not reported	Max: 14.11 Min: 4.233	Max: 8.4 Min: 6.6
2	3 inches	11 inches	loam	Not reported	Not reported	Max: 14.11 Min: 4.233	Max: 8.4 Min: 6.6
3	11 inches	59 inches	weathered bedrock	Not reported	Not reported	Max: 1 Min: 0.1	Max: Min:

### Soil Map ID: 5

Soil Component Name: SHELL

Soil Surface Texture: silt loam

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

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	24 inches	silt loam	Not reported	Not reported	Max: 14.11 Min: 4.233	Max: 7.3 Min: 5.6
2	24 inches	33 inches	silt loam	Not reported	Not reported	Max: 14.11 Min: 4.233	Max: 7.3 Min: 5.6
3	33 inches	79 inches	silt loam	Not reported	Not reported	Max: 14.11 Min: 4.233	Max: 7.8 Min: 6.1

### Soil Map ID: 6

Soil Component Name: ORD

Soil Surface Texture: loam

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

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 69 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	17 inches	loam	Not reported	Not reported	Max: 14.11 Min: 4.233	Max: 8.4 Min: 7.4
2	17 inches	24 inches	fine sandy loam	Not reported	Not reported	Max: 42.33 Min: 14.11	Max: 8.4 Min: 6.6
3	24 inches	79 inches	stratified sand to loamy fine sand	Not reported	Not reported	Max: 141 Min: 42	Max: 8.4 Min: 6.6

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## LOCAL / REGIONAL WATER AGENCY RECORDS

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

## WELL SEARCH DISTANCE INFORMATION

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

## **FEDERAL USGS WELL INFORMATION**

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
14	USGS40000751102	1/4 - 1/2 Mile NNE

## **FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION**

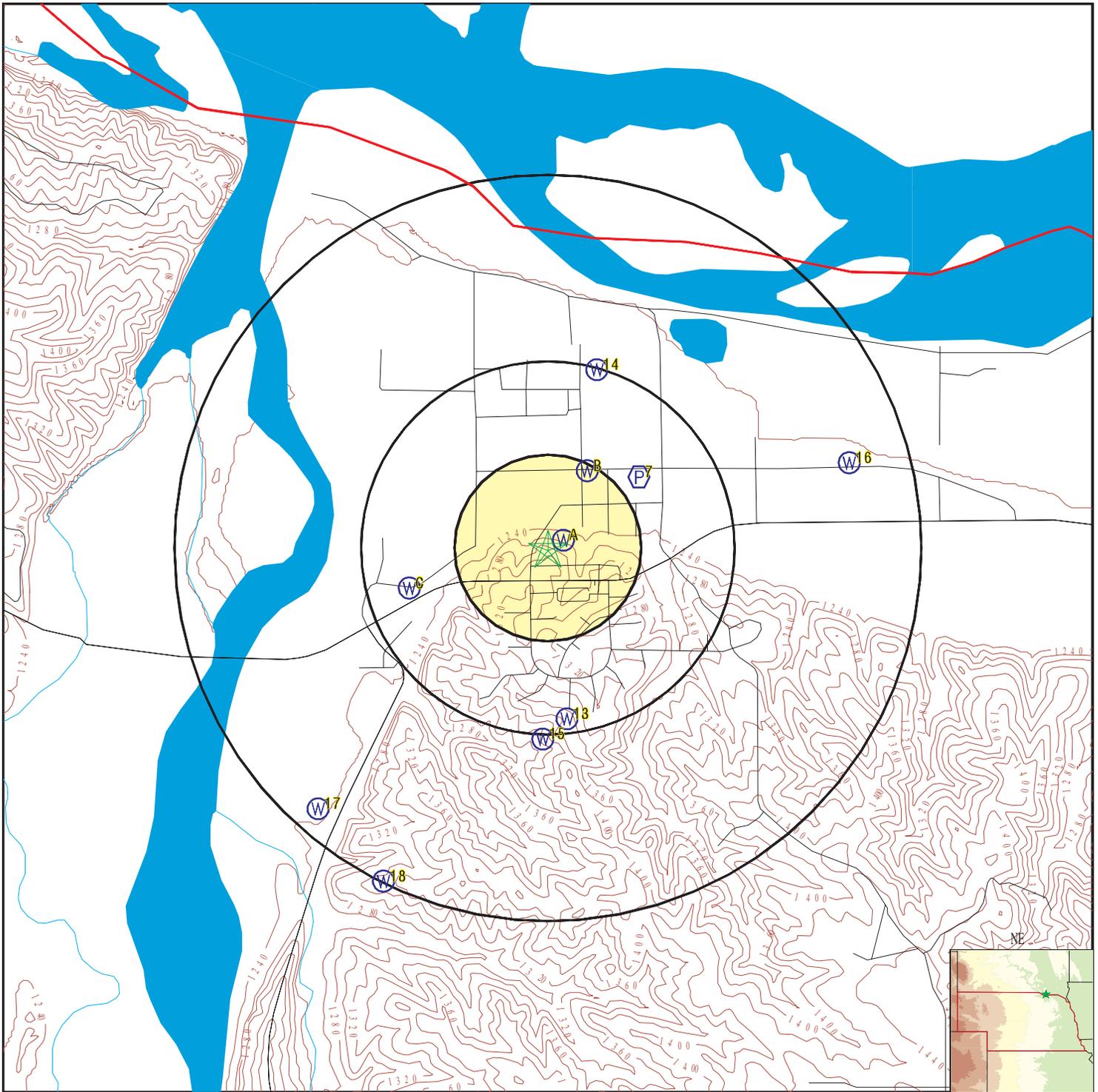
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
7	NE3120619	1/4 - 1/2 Mile NE

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

## **STATE DATABASE WELL INFORMATION**

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A1	NE6000000117641	0 - 1/8 Mile ENE
A2	NE6000000118003	0 - 1/8 Mile ENE
A3	NE6000000117640	0 - 1/8 Mile ENE
B4	NE6000000123344	1/8 - 1/4 Mile NNE
B5	NE6000000122944	1/8 - 1/4 Mile NNE
B6	NE6000000140000	1/8 - 1/4 Mile NNE
C8	NE6000000086088	1/4 - 1/2 Mile WSW
C9	NE6000000085607	1/4 - 1/2 Mile WSW
C10	NE6000000085608	1/4 - 1/2 Mile WSW
C11	NE6000000086089	1/4 - 1/2 Mile WSW
C12	NE6000000086118	1/4 - 1/2 Mile WSW
13	NE6000000173878	1/4 - 1/2 Mile South
15	NE6000000092160	1/2 - 1 Mile South
16	NE6000000140028	1/2 - 1 Mile ENE
17	NE6000000195919	1/2 - 1 Mile SW
18	NE6000000215829	1/2 - 1 Mile SSW

# PHYSICAL SETTING SOURCE MAP - 4763064.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location

SITE NAME: Ponca Tribal Headquarters  
 ADDRESS: 2523 Woodbine Street  
 Niobrara NE 68760  
 LAT/LONG: 42.751689 / 98.033208

CLIENT: Tetra Tech EMI  
 CONTACT: Kaitlyn Bahr  
 INQUIRY #: 4763064.2s  
 DATE: October 25, 2016 10:22 pm

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**A1**  
**ENE**  
**0 - 1/8 Mile**  
**Lower**

**NE WELLS      NE6000000117641**

Wellid:	125125	Replacemen:	0
Regcd:	G-105114C	Useid:	Monitoring (Ground Water Quality)
Status:	Abandoned	Nrdid:	14
Nrdname:	Lower Niobrara	Countyid:	54
Countyname:	Knox		
Township:	32		
Range:	6		
Rangedir:	W	Section:	17
Subsection:	SENE		
Footagens:	1505		
Footagedir:	N		
Footageew:	132		
Footaged 1:	E	Nrdpermit:	Not Reported
Acres:	0	Seriestype:	PRO
Seriesend:	01-JUN-10		
Pumprate:	0		
Pcoldiam:	0	Pumpdepth:	0
Totaldepth:	14	Swl:	6
Pwl:	0		
Certifid:	19030		
Ownerid:	65256		
Firstname:	Gary	Lastname:	Moody Motor Co
Address:	251 Spruce Avenue	Citynameid:	Niobrara
Staterid:	NE	Postalcd:	68760
Regdate:	17-APR-00	Compdate:	22-FEB-00
Lastchgdad:	02-NOV-01	Decommdate:	01-SEP-00
Latdd:	42.751888		
Longdd:	-98.032426		
Calcgps:	-1	Site id:	NE6000000117641

**A2**  
**ENE**  
**0 - 1/8 Mile**  
**Lower**

**NE WELLS      NE6000000118003**

Wellid:	125124	Replacemen:	0
Regcd:	G-105114B	Useid:	Monitoring (Ground Water Quality)
Status:	Abandoned	Nrdid:	14
Nrdname:	Lower Niobrara	Countyid:	54
Countyname:	Knox		
Township:	32		
Range:	6		
Rangedir:	W	Section:	17
Subsection:	SENE		
Footagens:	1450		
Footagedir:	N		
Footageew:	132		
Footaged 1:	E	Nrdpermit:	Not Reported
Acres:	0	Seriestype:	PRO
Seriesend:	01-JUN-10		
Pumprate:	0		
Pcoldiam:	0	Pumpdepth:	0
Totaldepth:	15	Swl:	6
Pwl:	0		
Certifid:	19030		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ownerid:	65256	Lastname:	Moody Motor Co
Firstname:	Gary	Citynameid:	Niobrara
Address:	251 Spruce Avenue	Postalcd:	68760
Staterid:	NE	Compdate:	22-FEB-00
Regdate:	17-APR-00	Decommdate:	01-SEP-00
Lastchgdat:	13-OCT-00		
Latdd:	42.752039		
Longdd:	-98.032425	Site id:	NE6000000118003
Calcgps:	-1		

**A3  
ENE  
0 - 1/8 Mile  
Lower**

**NE WELLS      NE6000000117640**

Wellid:	125123	Replacemen:	0
Regcd:	G-105114A	Useid:	Monitoring (Ground Water Quality)
Status:	Abandoned	Nrdid:	14
Nrdname:	Lower Niobrara	Countyid:	54
Countyname:	Knox		
Township:	32	Section:	17
Range:	6		
Rangedir:	W		
Subsection:	SENE		
Footagens:	1450		
Footagedir:	N		
Footageew:	100		
Footaged 1:	E	Nrdpermit:	Not Reported
Acres:	0	Seriestype:	PRO
Seriesend:	01-JUN-10		
Pumprate:	0		
Pcoldiam:	0	Pumpdepth:	0
Totaldepth:	15	Swl:	5
Pwl:	0		
Certifid:	19030		
Ownerid:	65256	Lastname:	Moody Motor Co
Firstname:	Gary	Citynameid:	Niobrara
Address:	251 Spruce Avenue	Postalcd:	68760
Staterid:	NE	Compdate:	22-FEB-00
Regdate:	17-APR-00	Decommdate:	01-SEP-00
Lastchgdat:	13-OCT-00		
Latdd:	42.752042		
Longdd:	-98.032306	Site id:	NE6000000117640
Calcgps:	-1		

**B4  
NNE  
1/8 - 1/4 Mile  
Lower**

**NE WELLS      NE6000000123344**

Wellid:	130725	Replacemen:	0
Regcd:	G-108931B	Useid:	Monitoring (Ground Water Quality)
Status:	Active	Nrdid:	14
Nrdname:	Lower Niobrara	Countyid:	54
Countyname:	Knox		
Township:	32	Section:	16
Range:	6		
Rangedir:	W		
Subsection:	NWNW		
Footagens:	535		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Footagedir:	N	Nrdpermit:	Not Reported
Footageew:	222	Seriestype:	PRO
Footaged 1:	W	Pumpdepth:	0
Acres:	0	Swl:	8
Seriesend:	30-DEC-99	Lastname:	Gregs Motor & Marine
Pumprate:	0	Citynameid:	Niobrara
Pcoldiam:	0	Postalcd:	68760
Totaldepth:	12	Compdate:	30-SEP-00
Pwl:	0	Decommdate:	30-DEC-99
Certifid:	39394	Site id:	NE6000000123344
Ownerid:	67036		
Firstname:	Not Reported		
Address:	250 Walnut		
Staterid:	NE		
Regdate:	15-FEB-01		
Lastchgdat:	20-MAR-01		
Latdd:	42.754569		
Longdd:	-98.03109		
Calcgps:	-1		

**B5**  
**NNE**  
**1/8 - 1/4 Mile**  
**Lower**

**NE WELLS      NE6000000122944**

Wellid:	130726	Replacemen:	0
Regcd:	G-108931C	Useid:	Monitoring (Ground Water Quality)
Status:	Active	Nrdid:	14
Nrdname:	Lower Niobrara	Countyid:	54
Countyname:	Knox	Section:	16
Township:	32		
Range:	6		
Rangedir:	W		
Subsection:	NWNW		
Footagens:	470		
Footagedir:	N		
Footageew:	173		
Footaged 1:	W	Nrdpermit:	Not Reported
Acres:	0	Seriestype:	PRO
Seriesend:	30-DEC-99	Pumpdepth:	0
Pumprate:	0	Swl:	9
Pcoldiam:	0	Lastname:	Gregs Motor & Marine
Totaldepth:	12	Citynameid:	Niobrara
Pwl:	0	Postalcd:	68760
Certifid:	39394	Compdate:	30-SEP-00
Ownerid:	67036	Decommdate:	30-DEC-99
Firstname:	Not Reported	Site id:	NE6000000122944
Address:	250 Walnut		
Staterid:	NE		
Regdate:	15-FEB-01		
Lastchgdat:	20-MAR-01		
Latdd:	42.754747		
Longdd:	-98.031271		
Calcgps:	-1		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**B6**  
**NNE**  
**1/8 - 1/4 Mile**  
**Lower**

**NE WELLS      NE6000000140000**

Wellid:	130719	Replacemen:	0
Regcd:	G-108931A	Useid:	Monitoring (Ground Water Quality)
Status:	Active	Nrdid:	14
Nrdname:	Lower Niobrara	Countyid:	54
Countyname:	Knox		
Township:	32	Section:	16
Range:	6		
Rangedir:	W		
Subsection:	NWNW		
Footagens:	470		
Footagedir:	N		
Footageew:	240		
Footaged 1:	W	Nrdpermit:	Not Reported
Acres:	0	Seriestype:	PRO
Seriesend:	30-DEC-99		
Pumprate:	0		
Pcoldiam:	0	Pumpdepth:	0
Totaldepth:	15	Swl:	9
Pwl:	0		
Certifid:	39394		
Ownerid:	67036		
Firstname:	Not Reported	Lastname:	Gregs Motor & Marine
Address:	250 Walnut	Citynameid:	Niobrara
Staterid:	NE	Postalcd:	68760
Regdate:	15-FEB-01	Compdate:	30-SEP-00
Lastchgdat:	20-MAR-01	Decommdate:	30-DEC-99
Latdd:	42.754748		
Longdd:	-98.031022		
Calcgps:	-1	Site id:	NE6000000140000

**7**  
**NE**  
**1/4 - 1/2 Mile**  
**Lower**

**FRDS PWS      NE3120619**

Epa region:	07	State:	NE
Pwsid:	NE3120619		
Pwsname:	ASH FALL FOSSIL BEDS SHP - NG & PC		
City served:	Not Reported	State served:	NE
Zip served:	Not Reported	Fips county:	31003
Status:	Active	Pop srvd:	200
Pwsvconn:	2	Source:	Groundwater
Pws type:	TNCWS	Owner:	State_Govt
Contact:	OTTO, RICK		
Contact or gname:	OTTO, RICK		
Contact phone:	402-893-2000	Contact address1:	86930 517 AVE
Contact address2:	Not Reported	Contact city:	ROYAL
Contact state:	NE	Contact zip:	68773
Activity code:	A		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

**Location Information:**

Name:	ASH FALL FOSSIL BEDS SHP - NG & PC		
Pwstypcd:	TNCWS	Prmsrccd:	GW
Popserved:	200		
Add1:	86930 517 AVE		
Add2:	Not Reported		
City:	ROYAL	State:	NE
Zip:	68773	Phone:	402-893-2000
Cityserv:	ROYAL	Cntyserv:	Antelope
Stateserv:	NE	Zipserv:	Not Reported

**Enforcement Information:**

Violation id:	502011	Orig cd:	S
Enf fy:	2011	Enf act date:	04/08/2011
Enf act detail:	St AO (w/o penalty) issued	Enf act cat:	Formal

**Enforcement Information:**

Violation id:	502010	Orig cd:	S
Enf fy:	2011	Enf act date:	04/08/2011
Enf act detail:	St AO (w/o penalty) issued	Enf act cat:	Formal

**Enforcement Information:**

Violation id:	502010	Orig cd:	S
Enf fy:	2010	Enf act date:	04/28/2010
Enf act detail:	St BCA signed	Enf act cat:	Formal

**Enforcement Information:**

Violation id:	502010	Orig cd:	S
Enf fy:	2011	Enf act date:	04/14/2011
Enf act detail:	St Other	Enf act cat:	Informal

**Enforcement Information:**

Violation id:	502009	Orig cd:	S
Enf fy:	2010	Enf act date:	04/28/2010
Enf act detail:	St BCA signed	Enf act cat:	Formal

**Enforcement Information:**

Violation id:	502009	Orig cd:	S
Enf fy:	2009	Enf act date:	08/10/2009
Enf act detail:	St Public Notif requested	Enf act cat:	Informal

**Enforcement Information:**

Violation id:	502009	Orig cd:	S
Enf fy:	2009	Enf act date:	08/20/2009
Enf act detail:	St Public Notif received	Enf act cat:	Informal

**Enforcement Information:**

Violation id:	502009	Orig cd:	S
Enf fy:	2011	Enf act date:	04/08/2011
Enf act detail:	St AO (w/o penalty) issued	Enf act cat:	Formal

**Enforcement Information:**

Violation id:	502009	Orig cd:	S
Enf fy:	2011	Enf act date:	04/14/2011
Enf act detail:	St Other	Enf act cat:	Informal

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Enforcement Information:

Violation id:	502009	Orig cd:	S
Enf fy:	2009	Enf act date:	08/10/2009
Enf act detail:	St Violation/Reminder Notice	Enf act cat:	Informal

Enforcement Information:

Violation id:	501908	Orig cd:	S
Enf fy:	2007	Enf act date:	09/30/2007
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	501807	Orig cd:	S
Enf fy:	2008	Enf act date:	10/11/2007
Enf act detail:	St Public Notif received	Enf act cat:	Informal

Enforcement Information:

Violation id:	501807	Orig cd:	S
Enf fy:	2007	Enf act date:	09/26/2007
Enf act detail:	St Public Notif requested	Enf act cat:	Informal

Enforcement Information:

Violation id:	501807	Orig cd:	S
Enf fy:	2007	Enf act date:	09/26/2007
Enf act detail:	St Violation/Reminder Notice	Enf act cat:	Informal

Enforcement Information:

Violation id:	501807	Orig cd:	S
Enf fy:	2008	Enf act date:	06/02/2008
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	501807	Orig cd:	S
Enf fy:	2010	Enf act date:	04/28/2010
Enf act detail:	St BCA signed	Enf act cat:	Formal

Enforcement Information:

Violation id:	501807	Orig cd:	S
Enf fy:	2011	Enf act date:	04/14/2011
Enf act detail:	St Other	Enf act cat:	Informal

Enforcement Information:

Violation id:	501807	Orig cd:	S
Enf fy:	2011	Enf act date:	04/08/2011
Enf act detail:	St AO (w/o penalty) issued	Enf act cat:	Formal

Violations Information:

Violation id:	502011	Orig cd:	S
State:	NE	Viol fy:	2011
Contamcd:	1038		
Contamnm:	Nitrate-Nitrite		
Viol code:	01		
Viol name:	MCL, Single Sample		
Rule code:	331		
Rule name:	Nitrates		
Violmeasur:	10.7	Unitmeasur:	MG/L



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Addressee / Facility: Not Reported

Facility Latitude: 42 45 16  
 City Served: Not Reported  
 Treatment Class: Untreated

Facility Longitude: 098 01 41  
 Population: 00000150

Violations information not reported.

### ENFORCEMENT INFORMATION:

Truedate:	03/31/2009	Pwsid:	NE3120619
Pwsname:	ASH FALL FOSSIL BEDS SHP - NG & PC		
Retpopsrvd:	200	Pwstypecod:	NC
Void:	501807	Contaminant:	NITRATE-NITRITE
Viol. Type:	2		
Complperbe:	7/1/2007 0:00:00		
Complperen:	9/30/2007 0:00:00	Enfdate:	10/11/2007 0:00:00
Enf action:	State Public Notif Received		
Violmeasur:	11		

Truedate:	03/31/2009	Pwsid:	NE3120619
Pwsname:	ASH FALL FOSSIL BEDS SHP - NG & PC		
Retpopsrvd:	200	Pwstypecod:	NC
Void:	501807	Contaminant:	NITRATE-NITRITE
Viol. Type:	2		
Complperbe:	7/1/2007 0:00:00		
Complperen:	9/30/2007 0:00:00	Enfdate:	6/2/2008 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	11		

Truedate:	03/31/2009	Pwsid:	NE3120619
Pwsname:	ASH FALL FOSSIL BEDS SHP - NG & PC		
Retpopsrvd:	200	Pwstypecod:	NC
Void:	501807	Contaminant:	NITRATE-NITRITE
Viol. Type:	2		
Complperbe:	7/1/2007 0:00:00		
Complperen:	9/30/2007 0:00:00	Enfdate:	9/26/2007 0:00:00
Enf action:	State Violation/Reminder Notice		
Violmeasur:	11		

Truedate:	03/31/2009	Pwsid:	NE3120619
Pwsname:	ASH FALL FOSSIL BEDS SHP - NG & PC		
Retpopsrvd:	200	Pwstypecod:	NC
Void:	501807	Contaminant:	NITRATE-NITRITE
Viol. Type:	2		
Complperbe:	7/1/2007 0:00:00		
Complperen:	9/30/2007 0:00:00	Enfdate:	9/26/2007 0:00:00
Enf action:	State Public Notif Requested		
Violmeasur:	11		

Truedate:	03/31/2009	Pwsid:	NE3120619
Pwsname:	ASH FALL FOSSIL BEDS SHP - NG & PC		
Retpopsrvd:	200	Pwstypecod:	NC
Void:	501908	Contaminant:	7500
Viol. Type:	PN Violation for NPDWR Violation		
Complperbe:	9/29/2007 0:00:00		
Complperen:	9/30/2007 0:00:00	Enfdate:	9/30/2007 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

**ENFORCEMENT INFORMATION:**

System Name:	ASH FALL FOSSIL BEDS SHP		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1999-04-01 - 1999-06-30		
Violation ID:	9905015		
Enforcement Date:	1999-08-09	Enf. Action:	State Violation/Reminder Notice
System Name:	ASH FALL FOSSIL BEDS SHP		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1999-04-01 - 1999-06-30		
Violation ID:	9905015		
Enforcement Date:	1999-08-09	Enf. Action:	State Public Notif Requested
System Name:	ASH FALL FOSSIL BEDS SHP		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1999-04-01 - 1999-06-30		
Violation ID:	9905015		
Enforcement Date:	1999-08-19	Enf. Action:	State Public Notif Received

**CONTACT INFORMATION:**

Name:	ASH FALL FOSSIL BEDS SHP - NG & PC		Population:	200
Contact:	OTTO, RICK	Phone:	Not Reported	
Address:	86930 517 AVE			
Address 2:	ROYAL NE, 68 402-8			

**C8  
WSW  
1/4 - 1/2 Mile  
Lower**

**NE WELLS      NE6000000086088**

Wellid:	89872	Replacemen:	0
Regcd:	G-081217	Useid:	Monitoring (Ground Water Quality)
Status:	Abandoned	Nrdid:	14
Nrdname:	Lower Niobrara	Countyid:	54
Countyname:	Knox		
Township:	32		
Range:	6		
Rangedir:	W	Section:	17
Subsection:	SWNE		
Footagens:	2010		
Footagedir:	N		
Footageew:	2280		
Footaged 1:	E	Nrdpermit:	Not Reported
Acres:	0	Seriestype:	PRO
Seriesend:	01-JUN-10		
Pumprate:	0		
Pcoldiam:	0	Pumpdepth:	0
Totaldepth:	17	Swl:	8
Pwl:	0		
Certifid:	39123		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ownerid:	33205	Lastname:	Nebraska Department of Roads
Firstname:	Not Reported	Citynameid:	Lincoln
Address:	INTERAGENCY	Postalcd:	68509
Staterid:	NE	Compdate:	29-MAR-94
Regdate:	26-APR-94	Decommdate:	01-JUN-03
Lastchgdat:	09-JUL-03		
Latdd:	42.75025		
Longdd:	-98.040439	Site id:	NE6000000086088
Calcgps:	-1		

**C9**  
**WSW**  
**1/4 - 1/2 Mile**  
**Lower**

**NE WELLS      NE6000000085607**

Wellid:	89871	Replacemen:	0
Regcd:	G-081216	Useid:	Monitoring (Ground Water Quality)
Status:	Abandoned	Nrdid:	14
Nrdname:	Lower Niobrara	Countyid:	54
Countyname:	Knox		
Township:	32	Section:	17
Range:	6		
Rangedir:	W		
Subsection:	SWNE		
Footagens:	2000		
Footagedir:	N		
Footageew:	2300		
Footaged 1:	E	Nrdpermit:	Not Reported
Acres:	0	Seriestype:	PRO
Seriesend:	01-JUN-10		
Pumprate:	0		
Pcoldiam:	0	Pumpdepth:	0
Totaldepth:	17	Swl:	8
Pwl:	0		
Certifid:	39123		
Ownerid:	33205	Lastname:	Nebraska Department of Roads
Firstname:	Not Reported	Citynameid:	Lincoln
Address:	INTERAGENCY	Postalcd:	68509
Staterid:	NE	Compdate:	30-MAR-94
Regdate:	26-APR-94	Decommdate:	01-JUN-03
Lastchgdat:	09-JUL-03		
Latdd:	42.750276		
Longdd:	-98.040514	Site id:	NE6000000085607
Calcgps:	-1		

**C10**  
**WSW**  
**1/4 - 1/2 Mile**  
**Lower**

**NE WELLS      NE6000000085608**

Wellid:	89874	Replacemen:	0
Regcd:	G-081219	Useid:	Monitoring (Ground Water Quality)
Status:	Abandoned	Nrdid:	14
Nrdname:	Lower Niobrara	Countyid:	54
Countyname:	Knox		
Township:	32	Section:	17
Range:	6		
Rangedir:	W		
Subsection:	SWNE		
Footagens:	2100		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Footagedir:	N	Nrdpermit:	Not Reported
Footageew:	2280	Seriestype:	PRO
Footaged 1:	E		
Acres:	0		
Seriesend:	01-JUN-10		
Pumprate:	0		
Pcoldiam:	0	Pumpdepth:	0
Totaldepth:	17	Swl:	9
Pwl:	0		
Certifid:	39123		
Ownerid:	33205		
Firstname:	Not Reported	Lastname:	Nebraska Department of Roads
Address:	INTERAGENCY	Citynameid:	Lincoln
Staterid:	NE	Postalcd:	68509
Regdate:	26-APR-94	Compdate:	29-MAR-94
Lastchgdat:	09-JUL-03	Decommdate:	01-JUN-03
Latdd:	42.750003		
Longdd:	-98.040441		
Calcgps:	-1	Site id:	NE6000000085608

**C11**  
**WSW**  
**1/4 - 1/2 Mile**  
**Lower**

**NE WELLS      NE6000000086089**

Wellid:	89873	Replacemen:	0
Regcd:	G-081218	Useid:	Monitoring (Ground Water Quality)
Status:	Abandoned	Nrdid:	14
Nrdname:	Lower Niobrara	Countyid:	54
Countyname:	Knox		
Township:	32		
Range:	6		
Rangedir:	W	Section:	17
Subsection:	SWNE		
Footagens:	2050		
Footagedir:	N		
Footageew:	2300		
Footaged 1:	E	Nrdpermit:	Not Reported
Acres:	0	Seriestype:	PRO
Seriesend:	01-JUN-10		
Pumprate:	0		
Pcoldiam:	0	Pumpdepth:	0
Totaldepth:	17	Swl:	9
Pwl:	0		
Certifid:	39123		
Ownerid:	33205		
Firstname:	Not Reported	Lastname:	Nebraska Department of Roads
Address:	INTERAGENCY	Citynameid:	Lincoln
Staterid:	NE	Postalcd:	68509
Regdate:	26-APR-94	Compdate:	29-MAR-94
Lastchgdat:	09-JUL-03	Decommdate:	01-JUN-03
Latdd:	42.750138		
Longdd:	-98.040515		
Calcgps:	-1	Site id:	NE6000000086089

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**C12**  
**WSW**  
**1/4 - 1/2 Mile**  
**Lower**

**NE WELLS      NE6000000086118**

Wellid:	89875		
Regcd:	G-081220	Replacemen:	0
Status:	Abandoned	Useid:	Monitoring (Ground Water Quality)
Nrdname:	Lower Niobrara	Nrdid:	14
Countyname:	Knox	Countyid:	54
Township:	32		
Range:	6		
Rangedir:	W	Section:	17
Subsection:	SWNE		
Footagens:	2100		
Footagedir:	N		
Footageew:	2320		
Footaged 1:	E	Nrdpermit:	Not Reported
Acres:	0	Seriestype:	PRO
Seriesend:	01-JUN-10		
Pumprate:	0		
Pcoldiam:	0	Pumpdepth:	0
Totaldepth:	18	Swl:	10
Pwl:	0		
Certifid:	39123		
Ownerid:	33205		
Firstname:	Not Reported	Lastname:	Nebraska Department of Roads
Address:	INTERAGENCY	Citynameid:	Lincoln
Staterid:	NE	Postalcd:	68509
Regdate:	26-APR-94	Compdate:	29-MAR-94
Lastchgdatt:	09-JUL-03	Decommdate:	01-JUN-03
Latdd:	42.749999		
Longdd:	-98.04059		
Calcgps:	-1	Site id:	NE6000000086118

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

**NE WELLS      NE6000000173878**

Wellid:	166714		
Regcd:	G-132968	Replacemen:	0
Status:	Active	Useid:	Domestic
Nrdname:	Lower Niobrara	Nrdid:	14
Countyname:	Knox	Countyid:	54
Township:	32		
Range:	6		
Rangedir:	W	Section:	17
Subsection:	SESE		
Footagens:	1270		
Footagedir:	S		
Footageew:	59		
Footaged 1:	E	Nrdpermit:	Not Reported
Acres:	0	Seriestype:	PRO
Seriesend:	30-DEC-99		
Pumprate:	15		
Pcoldiam:	1.25	Pumpdepth:	300
Totaldepth:	349	Swl:	164
Pwl:	200		
Certifid:	39204		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ownerid:	81011	Lastname:	Walton
Firstname:	Allen	Citynameid:	Niobrara
Address:	100 South Cherry Street	Postalcd:	68760
Staterid:	NE	Compdate:	12-MAR-05
Regdate:	28-MAR-05	Decommdate:	30-DEC-99
Lastchgdtd:	28-MAR-05	Site id:	NE6000000173878
Latdd:	42.7450555556		
Longdd:	-98.0321944444		
Calcgps:	0		

**14**  
**NNE**  
**1/4 - 1/2 Mile**  
**Lower**

**FED USGS    USGS40000751102**

Org. Identifier:	USGS-NE		
Formal name:	USGS Nebraska Water Science Center		
Monloc Identifier:	USGS-424531098014901		
Monloc name:	32N 6W 8DD 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	10170101	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	42.758612
Longitude:	-98.0306269	Sourcemap scale:	Not Reported
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	1224.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Unknown		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	1910	Welldepth:	18
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 105

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2004-05-12	3.77		2003-05-20	3.56	
2002-05-08	3.51		2001-05-03	3.53	
2000-05-05	4.27		1999-10-06	4.28	
1999-05-20	3.29		1998-10-15	3.73	
1998-05-06	3.60		1997-10-21	1.22	
1997-05-15	3.07		1996-10-03	2.16	
1996-05-08	1.83		1995-10-12	1.96	
1995-05-25	4.60		1994-10-05	4.94	
1993-10-12	5.89		1992-10-14	4.55	
1991-10-02	5.48		1990-10-15	5.30	
1989-10-17	5.49		1988-10-13	5.02	
1987-10-06	5.50		1986-10-27	3.93	
1985-10-07	5.74		1984-10-11	3.83	
1983-10-06	5.87		1982-10-07	6.48	
1981-10-22	6.85		1980-10-06	6.84	

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1979-10-02	6.73		1978-11-08	5.14	
1977-10-13	6.38		1976-10-07	7.23	
1975-10-29	5.45		1974-11-05	7.16	
1973-10-03	7.13		1972-10-24	6.07	
1971-10-20	6.56		1970-10-28	6.84	
1969-10-14	6.52		1968-10-17	7.50	
1968-05-28	7.59		1967-10-25	7.58	
1967-05-18	7.56		1966-09-21	8.06	
1966-05-25	7.77		1965-11-03	7.75	
1965-09-26	7.99		1965-05-08	8.50	
1964-11-06	8.18		1964-08-27	8.23	
1964-07-29	8.36		1964-06-23	7.59	
1964-05-26	8.39		1964-04-30	7.99	
1964-02-25	9.98		1964-01-29	9.04	
1963-12-20	9.15		1963-11-26	8.47	
1963-10-23	8.08		1963-09-05	8.09	
1963-08-07	8.17		1963-07-12	8.44	
1963-05-28	8.26		1963-04-09	8.38	
1962-11-14	8.14		1962-10-10	8.09	
1962-08-22	8.40		1962-07-17	7.09	
1962-06-27	8.08		1962-04-25	9.67	
1961-09-29	9.21		1961-06-16	8.83	
1960-12-07	10.40		1959-09-23	9.99	
1958-11-03	10.66		1957-09-06	11.13	
1956-11-14	12.34		1955-11-18	12.26	
1953-12-02	12.93		1946-12-28	13.95	
1942-10-29	13.62		1941-10-18	14.61	
1940-10-30	16.18		1940-07-18	16.04	
1940-03-28	14.56		1939-11-28	15.60	
1939-06-05	12.62		1938-10-21	14.06	
1938-07-13	11.08		1937-10-13	15.94	
1937-06-14	12.96		1937-03-30	13.79	
1936-11-11	15.54		1936-09-13	15.41	
1936-07-17	13.24		1936-05-30	12.81	
1936-03-25	12.63		1936-01-15	15.21	
1935-12-24	15.64		1935-11-21	16.17	
1935-10-18	15.83		1935-09-12	14.75	
1935-08-10	12.81				

**15  
South  
1/2 - 1 Mile  
Higher**

**NE WELLS      NE6000000092160**

Wellid:	96461	Replacemen:	0
Regcd:	G-085310	Useid:	Domestic
Status:	Active	Nrdid:	14
Nrdname:	Lower Niobrara	Countyid:	54
Countyname:	Knox		
Township:	32		
Range:	6		
Rangedir:	W	Section:	17
Subsection:	SESE		
Footagens:	1000		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Footagedir:	S	Nrdpermit:	Not Reported
Footageew:	400	Seriestype:	PRO
Footaged 1:	E		
Acres:	0		
Seriesend:	30-DEC-99		
Pumprate:	12		
Pcoldiam:	4	Pumpdepth:	1
Totaldepth:	27	Swl:	11
Pwl:	25		
Certifid:	39204		
Ownerid:	54136		
Firstname:	Elmer	Lastname:	Krupicka Mrs
Address:	RR 1 Box 5	Citynameid:	Niobrara
Staterid:	NE	Postalcd:	68760
Regdate:	07-AUG-95	Compdate:	16-JUL-95
Lastchgdat:	30-DEC-99	Decommdate:	30-DEC-99
Latdd:	42.744266		
Longdd:	-98.033472		
Calcgps:	-1	Site id:	NE6000000092160

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

**NE WELLS      NE6000000140028**

Wellid:	131085	Replacemen:	0
Regcd:	G-111747	Useid:	Commercial/Industrial
Status:	Active	Nrdid:	14
Nrdname:	Lower Niobrara	Countyid:	54
Countyname:	Knox		
Township:	32		
Range:	6		
Rangedir:	W	Section:	16
Subsection:	NENE		
Footagens:	400		
Footagedir:	N		
Footageew:	1300		
Footaged 1:	E	Nrdpermit:	01003
Acres:	10	Seriestype:	PRO
Seriesend:	30-DEC-99		
Pumprate:	100		
Pcoldiam:	3	Pumpdepth:	30
Totaldepth:	55	Swl:	13
Pwl:	25		
Certifid:	39194		
Ownerid:	67098		
Firstname:	Not Reported	Lastname:	Niobrara Valley Golf Course
Address:	40 Hackberry Heights	Citynameid:	Niobrara
Staterid:	NE	Postalcd:	68760
Regdate:	15-AUG-01	Compdate:	13-MAR-01
Lastchgdat:	09-OCT-01	Decommdate:	30-DEC-99
Latdd:	42.755		
Longdd:	-98.017334		
Calcgps:	-1	Site id:	NE6000000140028

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**17**  
**SW**  
**1/2 - 1 Mile**  
**Lower**

**NE WELLS      NE6000000195919**

Wellid:	210543	Replacemen:	0
Regcd:	G-158977	Useid:	Domestic
Status:	Active	Nrdid:	14
Nrdname:	Lower Niobrara	Countyid:	54
Countyname:	Knox	Section:	17
Township:	32		
Range:	6		
Rangedir:	W		
Subsection:	SESW		
Footagens:	171		
Footagedir:	S		
Footageew:	1755		
Footaged 1:	W	Nrdpermit:	Not Reported
Acres:	0	Seriestype:	PRO
Seriesend:	30-DEC-99		
Pumprate:	15		
Pcoldiam:	1	Pumpdepth:	40
Totaldepth:	70	Swl:	5
Pwl:	6.80000019073486		
Certifid:	39204		
Ownerid:	116931		
Firstname:	Ralph	Lastname:	Simpson
Address:	89109 Hwy 14 PO Box 74	Citynameid:	Niobrara
Staterid:	NE	Postalcd:	68760
Regdate:	02-MAY-11	Compdate:	21-APR-11
Lastchgdad:	02-MAY-11	Decommdate:	30-DEC-99
Latdd:	42.7415555556		
Longdd:	-98.0453055556		
Calcgps:	0	Site id:	NE6000000195919

**18**  
**SSW**  
**1/2 - 1 Mile**  
**Higher**

**NE WELLS      NE6000000215829**

Wellid:	211649	Replacemen:	0
Regcd:	G-159731	Useid:	Domestic
Status:	Active	Nrdid:	14
Nrdname:	Lower Niobrara	Countyid:	54
Countyname:	Knox	Section:	20
Township:	32		
Range:	6		
Rangedir:	W		
Subsection:	NWNE		
Footagens:	899		
Footagedir:	N		
Footageew:	2700		
Footaged 1:	W	Nrdpermit:	Not Reported
Acres:	0	Seriestype:	PRO
Seriesend:	30-DEC-99		
Pumprate:	15		
Pcoldiam:	1.25	Pumpdepth:	260
Totaldepth:	310	Swl:	109
Pwl:	145		
Certifid:	39204		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ownerid:	117342	Lastname:	Sandoz
Firstname:	Brian	Citynameid:	Niobrara
Address:	89088 Hwy 14	Postalcd:	68760
Staterid:	NE	Compdate:	27-JUN-11
Regdate:	13-JUL-11	Decommdate:	30-DEC-99
Lastchgdat:	13-JUL-11		
Latdd:	42.73875		
Longdd:	-98.0418611111		
Calcgps:	0	Site id:	NE6000000215829

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

State Database: NE Radon

### Radon Test Results

Num Tests	Avg pCi/L	# > pCi/L	% > pCi/L	Max pCi/L
15	15.7	12	80%	51.3

Federal EPA Radon Zone for KNOX County: 1

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

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Federal Area Radon Information for Zip Code: 68760

Number of sites tested: 5

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	2.525 pCi/L	75%	25%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	3.320 pCi/L	60%	40%	0%

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

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

Source: United States Geologic Survey

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

### Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

## HYDROLOGIC INFORMATION

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

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

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

### State Wetlands Data: National Wetlands Inventory

Source: Department of Natural Resources

Telephone: 402-471-2363

## HYDROGEOLOGIC INFORMATION

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

Source: EDR proprietary database of groundwater flow information

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

## GEOLOGIC INFORMATION

### Geologic Age and Rock Stratigraphic Unit

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

### STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

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

### SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

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

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## LOCAL / REGIONAL WATER AGENCY RECORDS

### FEDERAL WATER WELLS

#### PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

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

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

#### USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

### STATE RECORDS

#### Registered Groundwater Wells Database

Source: Department of Natural Resources

Telephone: 402-471-2363

Water use types include Aquaculture, Commercial/Industrial, Domestic, Ground Heat Exchanger, Heat Pump (Ground Water Source), Irrigation, Injection, Observation (Ground Water Levels); Other - Lake Supply, Fountain, Geothermal, Wildlife, Wetlands, Recreation, Plant and Lagoon, Sprinkler, Test, Vapor Monitoring; Public Water Supply with Spacing Protection, Monitoring (Ground Water Quality), Recovery, Livestock, Geothermal, Public Water Supply without Spacing Protection, Dewatering (Over 90 Days).

## OTHER STATE DATABASE INFORMATION

### Oil and Gas Well Data

Source: Oil and Gas Conservation Commission

Telephone: 308-254-6919

### RADON

#### State Database: NE Radon

Source: Department of Environmental Quality

Telephone: 402-471-0594

Summary of Radon Data

#### Area Radon Information

Source: USGS

Telephone: 703-356-4020

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

#### EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

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

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

### OTHER

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

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

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

### **STREET AND ADDRESS INFORMATION**

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**APPENDIX F**  
**HISTORICAL USE DOCUMENTATION**

**APPENDIX F-1**

**HISTORICAL PROPERTY OWNERSHIP**

45-  
685

going deed as grantors and acknowledged the instrument to be their voluntary act and deed.

*G. A. Olmsted*

Witness my hand and notarial seal the day and year last above written.

G. A. Olmsted,

Notary Public

*Dec 8  
1915*

-0-

William R. Maloy & wf  
to  
Edward Teadtke  
Filed Mar. 6, 1916, 7 P.M.

Know all men by these presents: That William R. Maloy and  
Margareth E. Maloy, husband and wife of Loxley, Baldwin County  
Alabama in consideration of Four Thousand (4000) Dollars in hand  
paid do hereby grant, bargain, sell, convey and confirm unto  
Edward Teadtke of Knox County, Nebraska the following described real estate situate in the coun-  
ty of Knox and State of Nebraska to wit: The South East Quarter of the South West Quarter of  
Section Four (4) and the West Half of the North West Quarter and the North East Quarter of the  
North West Quarter of Section Nine (9) all in Township Thirty Two (32) North Range Seven (7)  
West of 6th P.M. containing one hundred and sixty acres more or less according to government  
survey. Together with all the tenements, hereditaments and appurtenances to the same belonging  
and all the estate, right, title, dower, interest, courtesy, claim or demand whatsoever of the  
said William R. Maloy and Margareth E. Maloy of in or to the same or any part thereof, To have  
and to hold the above described premises with the appurtenances unto the said Edward Teadtke  
and to his heirs and assigns forever. And we do hereby covenant with the said Edward Teadtke and  
his heirs and assigns that we are lawfully seized of said premises; that they are free from en-  
cumberance; that we have good right and lawful authority to sell the same and we do hereby cove-  
nant to warrant and defend the said premises against the lawful claims of all persons whomsoever.  
Signed this 8th day of December A. D. 1915.

In presence of J. G. Saxe, S. A. Saxe  
State of Alabama,  
Baldwin County. ;ss.

On this 8th day of December A. D. 1915 before me a notary public in  
and for said county personally came the above William R. Maloy and  
Margareth E. Maloy, his wife who are personally known to me to be the identical persons whose  
name are affixed to the above deed as grantors and they acknowledged the instrument to be their  
voluntary act and deed for the purpose therein stated. Witness my hand and  
official seal the day aforesaid.

*#400  
12/15/15*

William R. Maloy  
Margareth E. Maloy

John G. Saxe, Notary Public

*John G. Saxe*  
*Notary Public*  
*Alabama*

My commission expires May 16th, 1918

-0-

United States  
to  
Samuel Wing  
Filed Mar. 8, 1916, 8 A.M.

O'Neill 03905 The United States of America, To all to whom  
74004/11 I.O. these presents shall come, greeting:  
Whereas an order of the Secretary of the Interior has been de-  
posited in the general land office directing that a fee simple  
patent issue to the claimant Samuel Wing an indian for the Northwest Quarter of Section Seven  
in Township Thirty-one North of Range Five West of the Sixth Principal Meridian, Nebraska con-  
taining one hundred fifty-two and fifty-three hundredths acres: Now know ye that the United Stat-  
es of America inconsideration of the premises has given and granted and by these presents does  
give and grant unto the said claimant and to the heirs of the said claimant the land above des-  
cribed; to have and to hold the same together with all the rights, privileges, immunities and  
appurtenances of whatsoever nature thereunto belonging unto the said claimant and to the heirs  
and assigns of the said claimant forever. In testimony whereof I, Woodrow Wilson, president of  
the United States of America have caused these letters to be made patent and the seal of the gen-  
eral land office to be hereunto affixed. Given under my hand at the City of Washington the thir-

45  
685

45-686

independence of the United States the one hundred and fortieth.

Recorded:

By the president: Woodrow Wilson

Patent Number

By M. P. LeRoy, secretary

496544

L. Q. C. Lamar, recorder of the general land office.

-0-

Samuel Wing & wf

to

Herman J. Waldman

Filed March 8, 1916, 8 A.M.

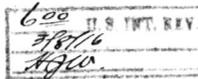
Know all men by these presents: That Samuel Wing, husband and Jennie Wing, wife of the county of Shannon and State of South Dakota for and in consideration of the sum of Five Thousand Seven Hundred Fifty (\$5750.00) Dollars in hand paid do here-

by grant, bargain, sell, convey and confirm unto Herman J. Waldman of the county of Knox and State of Nebraska the following described real estate situated in -- in Knox County and State of Nebraska to wit: The Northwest Quarter of Section Seven in Township Thirty-one North of Range Five West of the Sixth Principal Meridian, Nebraska containing one hundred fifty two and fifty-three hundredths acres and they do hereby covenant with the said Herman J. Waldman and his heirs and assigns that they are lawfully seized of said premises; that they are free from incumbrance that they have good right and lawful authority to sell the same; and they do hereby covenant to warrant and defend the title to said premises against the lawful claims of all persons whomsoever. And the said Samuel Wing and Jennie Wing hereby relinquishes all right, title and interest in and to the above described premises. Signed this 20th day of November A. D. 1915.

In presence of O.C. Ross, Robert H. Stelzner

The State of South Dakota,

Shannon County.



Samuel Wing

Jennie Wing

ss.

Pine Ridge Agency, S. D. On the 20th day of November A. D.

1915 before me O.C. Ross a notary public duly appointed and commissioned and qualified for and residing in said county personally came Samuel Wing and Jennie Wing, his wife to me personally known to be the identical persons described in and who executed the foregoing conveyance as grantors and acknowledge the said instrument to be their voluntary act and deed.

*O.C. Ross*  
*Notary Public*  
*South Dakota*

Witness my hand and seal the day and year last above written.

O. C Ross, Notary Public

My commission expires Oct. 1, 1918

-0-

F. E. Watters

to

J. C. Jeppesen

Filed Mar. 8, 1916, 11 A.M.

Know all men by these presents that I, F. E. Watters a single man in consideration of Twelve Hundred and no/100 Dollars in hand paid do hereby grant, bargain, sell, convey and confirm unto J. C. Jeppesen the following described real estate situate in the county of Knox and State of Nebraska to wit: West forty feet (W 40 ft) of Lot One (1)

in Block Three (3) Original plat of Bloomfield. F. E. Watters to pay 1914 taxes that are due May 1st, 1915 and all prior taxes. together with all the tenements hereditaments and appurtenances to the same belonging and all the estate, title, dower, right of homestead, claim or demand whatsoever of the said J. C. Jeppesen F. E. Watters of in or to the same or any part thereof To have and to hold the above described premises with the appurtenances unto the said J. C. Jeppesen and to his heirs and assigns forever and I the said F. E. Watters for myself and my heirs, executors and administrators do covenant with the said J. C. Jeppesen and with his heirs and assigns that I am lawfully seized of said premises that they are free from incumbrance, that I have good right and lawful authority to sell the same and that I will and my heirs, executors and administrators shall warrant and defend the same unto the said J. C. Jeppesen and to his heirs and assigns forever against the lawful claims of all persons whomsoever. In witness whereof I

45/685  
Continued

45/686

FROM  
Herman Waldman, widower  
TO  
Elmer Waldman, et al

STATE OF NEBRASKA  
COUNTY OF KNOX

Entered in Numerical Index and filed for record in the office of Register of Deeds of said County the 30 day of Sept. 19 58 at 11 o'clock and - minutes A.M., and recorded in Book 83 page 544 of Deeds.  
Edw. J. Lenger  
By  
County Clerk,  
Register of Deeds,  
Deputy.

83  
544

THIS INDENTURE, Made this 20th day of September, in the year one thousand nine hundred and fifty-eight, between Herman Waldman, a widower,

of the first part, and Elmer Waldman and Elsie Halvorsen

of the second part.

WITNESSETH, that the said party of the first part, in consideration of the sum of One and no/100--- DOLLARS, to him duly paid, the receipt whereof is hereby acknowledged has remised, released and quit-claimed, and by these presents does, for himself, his heirs, executors and administrators, remise, release and forever quit-claim and convey unto the said parties of the second part, and to their heirs and assigns forever, all his right, title, interest, estate claim and demand, both at law and in equity, of, in and to all of

The Northwest Quarter (NW $\frac{1}{4}$ ) of Section Seven (7), in Township Thirty-one (31), North, Range Five (5) West of the 6th P. M. in Knox County, Nebraska,

Blue Border  
100% LINEN HEDGEM

Together with all and singular the hereditaments thereunto belonging.

TO HAVE AND TO HOLD the above described premises unto the said Elmer Waldman and Elsie Halvorsen and their heirs and assigns; so that neither the said grantor, nor

or any person in his name and behalf, shall or will hereafter claim or demand any right or title to the said premises or any part thereof, but they and every one of them shall by these presents be excluded and forever barred.

IN WITNESS WHEREOF, the said party of the first part has hereunto set his hand and seal the day and year above written.

Signed, sealed and delivered in presence of Herman Waldman

STATE OF Nebraska County, } ss. On this 20th day of September A. D. 19 58, before me, the undersigned Henry F. Reimer a Notary Public, duly commissioned and qualified for and residing in said County, personally came Herman Waldman, a widower,

to me known to be the identical person whose name is affixed to the foregoing instrument as grantor and acknowledged the same to be his voluntary act and deed.

WITNESS my hand and Notarial Seal the day and year last above written.

Henry F. Reimer Notary Public.

My commission expires the 1st day of September 19 63.



Elmer Waldman, et al  
TO

STATE OF NEBRASKA }  
Knox COUNTY }

ss. Entered in Numerical Index and filed for record in the office of Register of Deeds of said County, the 1 day of February, 19 61 at 4 o'clock and 40 minutes P.M., and recorded in Book 84 of Deeds, page 639.  
Edw. J. Lenger  
County Clerk—Register of Deeds.  
Deputy.

William Vakoc and wife

KNOW ALL MEN BY THESE PRESENTS, That Elmer Waldman and Lela Waldman, husband and wife, and Elsie Halvorsen and Russell Halvorsen, wife and husband in consideration of Eleven Thousand Five Hundred Fifty-One and 88/100- - DOLLARS in hand paid, do hereby grant, bargain, sell, convey and confirm unto William Vakoc, and Marie Vakoc, husband and wife,

as JOINT TENANTS, and not as tenants in common; the following described real estate, situated in the County of Knox and State of Nebraska, to-wit:

The Northwest Quarter (NW 1/4) of Section Seven (7), in Township Thirty-One (31), North of Range Five (5), West of the Sixth Principal Meridian, Knox County, Nebraska

U. S. INT. REV. 5/12/20  
2-1-61  
EW

together with all the tenements, hereditaments and appurtenances to the same belonging, and all the estate, title, dower, right of homestead, claim or demand whatsoever of the said grantors, of, in or to the same, or any part thereof; subject to --

IT BEING THE INTENTION OF ALL PARTIES HERETO, THAT IN THE EVENT OF THE DEATH OF EITHER OF SAID GRANTEEES, THE ENTIRE FEE SIMPLE TITLE TO THE REAL ESTATE DESCRIBED HEREIN SHALL VEST IN THE SURVIVING GRANTEE.

TO HAVE AND TO HOLD the above described premises, with the appurtenances, unto the said grantees as JOINT TENANTS, and not as tenants in common, and to their assigns, or to the heirs and assigns of the survivor of them, forever, and we the grantors named herein for ourselves and our heirs, executors, and administrators, do covenant with the grantees named herein and with their assigns and with the heirs and assigns of the survivor of them, that we are lawfully seized of said premises; that they are free from incumbrance except as stated herein, and that we, the said grantors have good right and lawful authority to sell the same, and that we will and our heirs, executors and administrators shall warrant and defend the same unto the grantees named herein and unto their assigns and unto the heirs and assigns of the survivor of them, forever, against the lawful claims of all persons whomsoever, excluding the exceptions named herein.

IN WITNESS WHEREOF we have hereunto set our hands this 1st day of February, 1961.

In presence of

Max N. Copper

Max N. Copper as to all grantors

Elmer Waldman Elsie Halvorsen

Elmer Waldman Elsie Halvorsen

Lela Waldman Russell Halvorsen

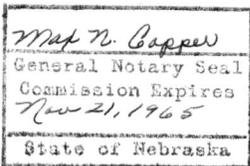
Lela Waldman Russell Halvorsen

STATE OF Nebraska } On this 1st day of February, 1961, before me, the undersigned, a Notary Public, duly commissioned and qualified for said County, personally came Elmer Waldman and his wife Lela Waldman, and Elsie Halvorsen and her husband Russell Halvorsen

to me known to be the identical person or persons whose name is or names are subscribed to the foregoing instrument, and acknowledged the execution thereof to be, his, her or their voluntary act and deed.

Witness my hand and Notarial Seal the day and year last above written. Max N. Copper, Notary Public. Max N. Copper, General Notary Public.

My commission expires the 21st day of November, 1965, 19



84  
639

122 / 658

State of Nebraska, Knox County, ss. Filed for Record and Entered on Numerical Index this 16 day of June A.D. 2000 at 9 o'clock AM minutes A.M. and recorded in Book 122 Page 658 Deed Record, Virginia Buernan, County Clerk and Ex-Officio Register of Deeds, By Qimm M. Guisner Recording Clerk. Fee \$ 5.50

122 / 658  
NEBRASKA DOCUMENTARY  
STAMP TAX  
Date June 16, 2000  
\$ 101.50 By JMF

M   
F \_\_\_\_\_  
X \_\_\_\_\_  
G \_\_\_\_\_  
N \_\_\_\_\_

**WARRANTY DEED**

Marie R. Vakoc, a/k/a Marie Vakoc, a single person, GRANTOR, in consideration of One Dollar (\$1.00) and other good & valuable consideration received from GRANTEEES,

**GARRY L. NIELSEN, a married person, the remainder interest  
and  
LEONARD G. NIELSEN, a married person, a life estate**

conveys to GRANTEEES, the following described real estate (as defined in Neb.Rev.Stat. §76-201):

*The Northwest Quarter (NW¼) of Section Seven (7), Township Thirty-one North (31N), Range Five (5), West of the 6<sup>th</sup> P.M., Knox County, Nebraska.*

GRANTOR covenants (jointly and severally, if more than one) with GRANTEEES that GRANTOR:

- 1) is lawfully seised of such real estate and that it is free from liens, encumbrances;
- 2) has legal power and lawful authority to convey the same;
- 3) warrants and will defend title to the real estate against the lawful claims of all persons.

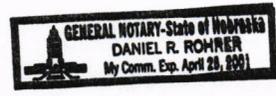
EXECUTED this 13<sup>th</sup> day of June, 2000.

Marie R. Vakoc  
Marie R. Vakoc

STATE OF NEBRASKA - COUNTY OF KNOX : ss.

The foregoing instrument was acknowledged before me on June 13<sup>th</sup>, 2000, by Marie R. Vakoc, a/k/a Marie Vakoc, single.

Daniel R. Rohrer  
Notary Public Daniel R. Rohrer



125/70

NEBRASKA DOCUMENTARY STAMP TAX	
Date <u>April 11, 2003</u>	
\$ <u>141.75</u>	By <u>Jh</u>

State of Nebraska, Knox County, ss. Filed for Record and Entered on Numerical Index this 11<sup>th</sup> day of April A.D. 2003 at 8 o'clock and 30 minutes A M. and recorded in Book 125 Page 70, Deed Record. Joann M. Fischer, County Clerk and Ex-Officio Register of Deeds, By Spencer A. Anderson Recording Clerk. Fee \$ 5.50

**WARRANTY DEED**

Leonard G. Nielsen, a single person; and Garry L. Nielsen and Teresa Nielsen, husband and wife; GRANTORS, in consideration of One Dollar (\$1.00) and other good & valuable consideration received from GRANTEE,

**THE PONCA TRIBE OF NEBRASKA, a federally recognized Indian tribe;**

convey to GRANTEE, the following described real estate (as defined in Neb.Rev.Stat.§ 76-201):

*The Northwest Quarter (NW¼) of Section Seven (7), Township Thirty-one North (31N), Range Five (5), West of the 6<sup>th</sup> P.M., Knox County, Nebraska.*

GRANTORS covenant (jointly and severally, if more than one) with GRANTEE that GRANTORS:

- 1) are lawfully seised of such real estate and that it is free from liens, encumbrances, except roads and easements of record;
- 2) have legal power and lawful authority to convey the same;
- 3) warrant and will defend title to the real estate against the lawful claims of all persons.

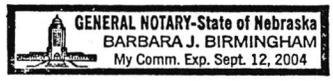
EXECUTED this 2nd day of April, 2003

Leonard G. Nielsen  
Leonard G. Nielsen

Garry L. Nielsen  
Garry L. Nielsen  
Teresa Nielsen  
Teresa Nielsen

STATE OF NEBRASKA - COUNTY OF KNOX : ss.

The foregoing instrument was acknowledged before me on April 2, 2003, by Leonard G. Nielsen, a single person; and Garry L. Nielsen and Teresa Nielsen, husband and wife.



Barbara J. Birmingham  
Notary Public

Prepared by BIRMINGHAM LAW OFFICE  
106 West Main Street  
Bloomfield NE 68718-0010  
Phone: 402-373-4747  
Fax: 402-373-4215

138  
812

State of Nebraska, Knox County, ss. Filed for Record and Entered on Numerical Index this 2 day of September A.D. 2015 at 1 o'clock and 30 minutes P. M. and recorded in Book 138 Page 812-813 Deed Record. Joann M. Fischer, County Clerk and Ex-Officio Registrar of Deeds, By Sue Wiebelhaus Recording Clerk. Fee \$ 16.00

NEBRASKA DOCUMENTARY  
STAMP TAX  
Date September 2, 2015  
\$-Exempt By SW  
52-3(2)

Prepared By:  
Bureau of Indian Affairs  
29775 South Main, PO Box 577  
Wagner, SD 57380  
(605) 384-3651

### WARRANTY DEED

Ponca Tribe of Nebraska, 381T381030, grantor, of Knox County, State of Nebraska; whose post office address is Post Office Box 288, Niobrara, Nebraska, 68760, for other good and valuable consideration, grants, warrants, coveys, and transfers to the United States of America in Trust for Ponca Tribe of Nebraska, 381T381030, grantee, whose address is Post Office Box 288, Niobrara, Nebraska, 68760, the following described real estate in the County of Knox, in the State of Nebraska.

S $\frac{1}{2}$  of Section 6; NW $\frac{1}{4}$  of Section 7, all in Township 31 North, Range 5 West, Sixth Principal Meridian, Knox County, Nebraska, containing 464.97 acres, more or less.

**Better described as:**

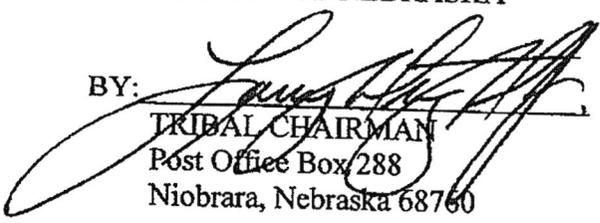
Lots 6 and 7, E $\frac{1}{2}$ SW $\frac{1}{4}$  and SE $\frac{1}{4}$  in Section 6; Lots 1 & 2, E $\frac{1}{2}$ NW $\frac{1}{4}$  in Section 7; all in Township 31 North, Range 5 West, Sixth Principal Meridian, Knox County, Nebraska, containing 464.97 acres, more or less.

This conveyance is subject to all valid existing leases, rights-of-way, permits and reservations in patents or deeds through which grantor acquired title.

This conveyance is made in accordance with the provisions of the Act of June 18, 1934 (48 Stat. 984), also known as the Indian Reorganization Act.

Dated this 26th day of AUGUST, 2015.

PONCA TRIBE OF NEBRASKA

BY:   
TRIBAL CHAIRMAN  
Post Office Box 288  
Niobrara, Nebraska 68760



**APPENDIX F-2**

**HISTORICAL SANBORN MAP SEARCH**



Ponca Tribal Headquarters

2523 Woodbine Street

Niobrara, NE 68760

Inquiry Number: 4763064.3

October 25, 2016

## Certified Sanborn® Map Report



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

# Certified Sanborn® Map Report

10/25/16

**Site Name:**

Ponca Tribal Headquarters  
2523 Woodbine Street  
Niobrara, NE 68760  
EDR Inquiry # 4763064.3

**Client Name:**

Tetra Tech EMI  
415 Oak Street  
Kansas City, MO 64106  
Contact: Kaitlyn Bahr



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

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

## Certified Sanborn Results:

**Certification #** 7710-4F54-B926  
**PO #** X9025140002.019.024  
**Project** Ponca Tribal Headquarters



Sanborn® Library search results

Certification #: 7710-4F54-B926

### UNMAPPED PROPERTY

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

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- Library of Congress
- University Publications of America
- EDR Private Collection

*The Sanborn Library LLC Since 1866™*

## Limited Permission To Make Copies

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

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**APPENDIX F-3**  
**HISTORICAL AERIAL PHOTOGRAPHS**



Ponca Tribal Headquarters

2523 Woodbine Street

Niobrara, NE 68760

Inquiry Number: 4763064.9

October 26, 2016

## The EDR Aerial Photo Decade Package



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

**Site Name:**

Ponca Tribal Headquarters  
 2523 Woodbine Street  
 Niobrara, NE 68760  
 EDR Inquiry # 4763064.9

**Client Name:**

Tetra Tech EMI  
 415 Oak Street  
 Kansas City, MO 64106  
 Contact: Kaitlyn Bahr



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

**Search Results:**

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2010	1"=500'	Flight Year: 2010	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2008	1"=500'	Flight Year: 2008	USDA/NAIP
2007	1"=500'	Flight Year: 2007	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
1999	1"=500'	Acquisition Date: April 07, 1999	USGS/DOQQ
1991	1"=750'	Flight Date: September 20, 1991	USGS
1988	1"=750'	Flight Date: June 20, 1988	USGS
1984	1"=1000'	Flight Date: April 18, 1984	USGS
1973	1"=500'	Flight Date: May 09, 1973	USGS
1946	1"=750'	Flight Date: June 07, 1946	USGS

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

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INQUIRY #: 4763064.9

YEAR: 2012

— = 500'





INQUIRY #: 4763064.9

YEAR: 2010

— = 500'





INQUIRY #: 4763064.9

YEAR: 2009

— = 500'





INQUIRY #: 4763064.9

YEAR: 2008

— = 500'





INQUIRY #: 4763064.9

YEAR: 2007

— = 500'





INQUIRY #: 4763064.9

YEAR: 2006

— = 500'



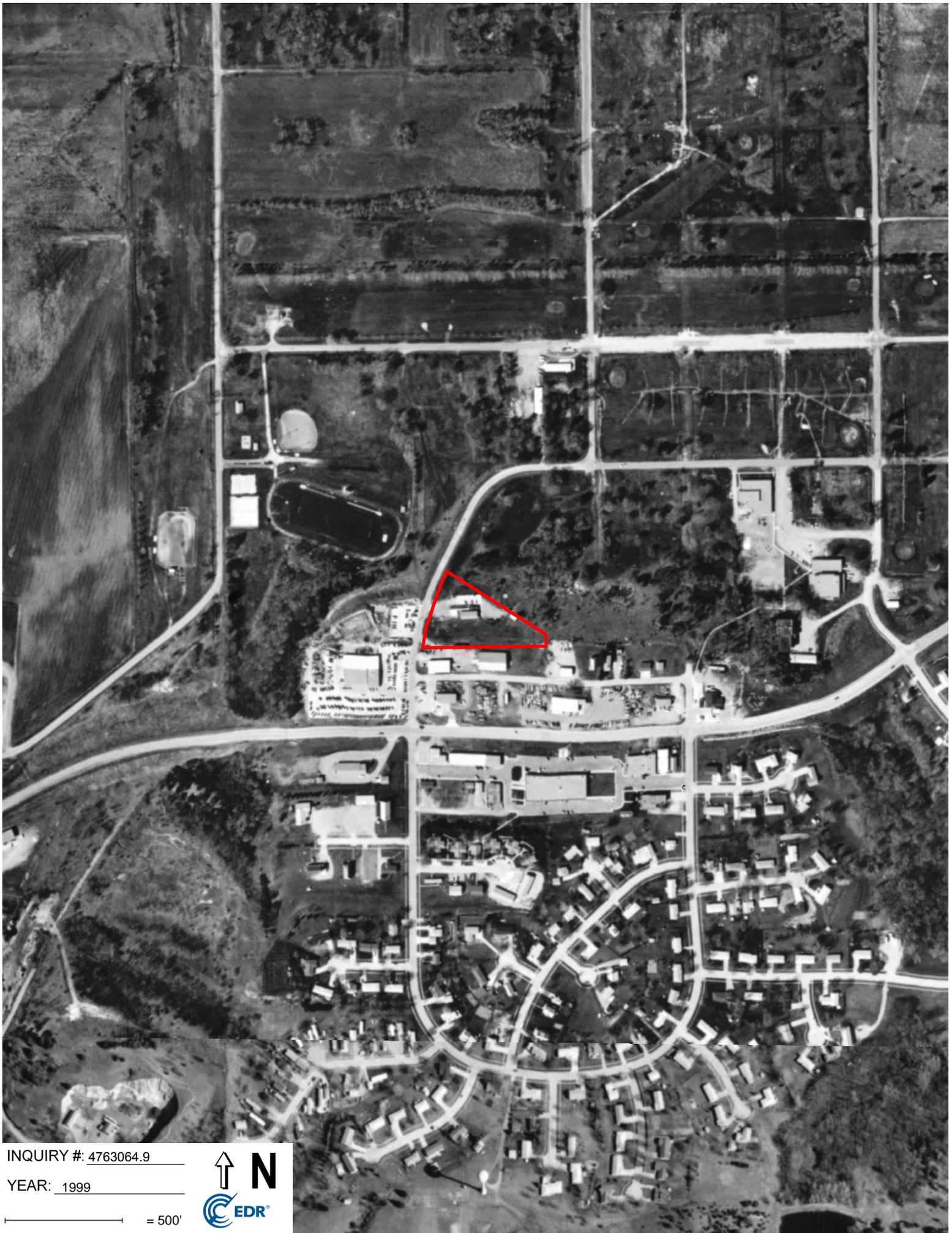


INQUIRY #: 4763064.9

YEAR: 2005

— = 500'





INQUIRY #: 4763064.9

YEAR: 1999

— = 500'





INQUIRY #: 4763064.9

YEAR: 1991

— = 750'





INQUIRY #: 4763064.9

YEAR: 1988

— = 750'





INQUIRY #: 4763064.9

YEAR: 1984

\_\_\_\_\_ = 1000'





INQUIRY #: 4763064.9

YEAR: 1973

— = 500'





INQUIRY #: 4763064.9

YEAR: 1946

— = 750'



**APPENDIX F-4**

**HISTORICAL TOPOGRAPHIC MAPS**

Ponca Tribal Headquarters

2523 Woodbine Street

Niobrara, NE 68760

Inquiry Number: 4763064.4

October 25, 2016

# EDR Historical Topo Map Report

with QuadMatch™



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

# EDR Historical Topo Map Report

10/25/16

**Site Name:**

Ponca Tribal Headquarters  
2523 Woodbine Street  
Niobrara, NE 68760  
EDR Inquiry # 4763064.4

**Client Name:**

Tetra Tech EMI  
415 Oak Street  
Kansas City, MO 64106  
Contact: Kaitlyn Bahr



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

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

<b>P.O.#</b>	X9025140002.019.024	<b>Latitude:</b>	42.751689 42° 45' 6" North
<b>Project:</b>	Ponca Tribal Headquarters	<b>Longitude:</b>	-98.033208 -98° 2' 0" West
		<b>UTM Zone:</b>	Zone 14 North
		<b>UTM X Meters:</b>	579118.50
		<b>UTM Y Meters:</b>	4733694.03
		<b>Elevation:</b>	1284.65' above sea level

**Maps Provided:**

2014  
1950

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## **Topo Sheet Key**

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

### **2014 Source Sheets**

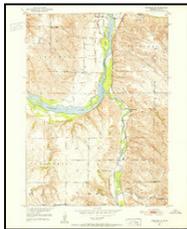


Verdigre NE  
2014  
7.5-minute, 24000

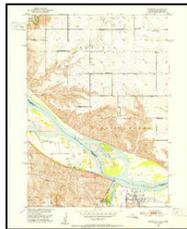


Niobrara  
2014  
7.5-minute, 24000

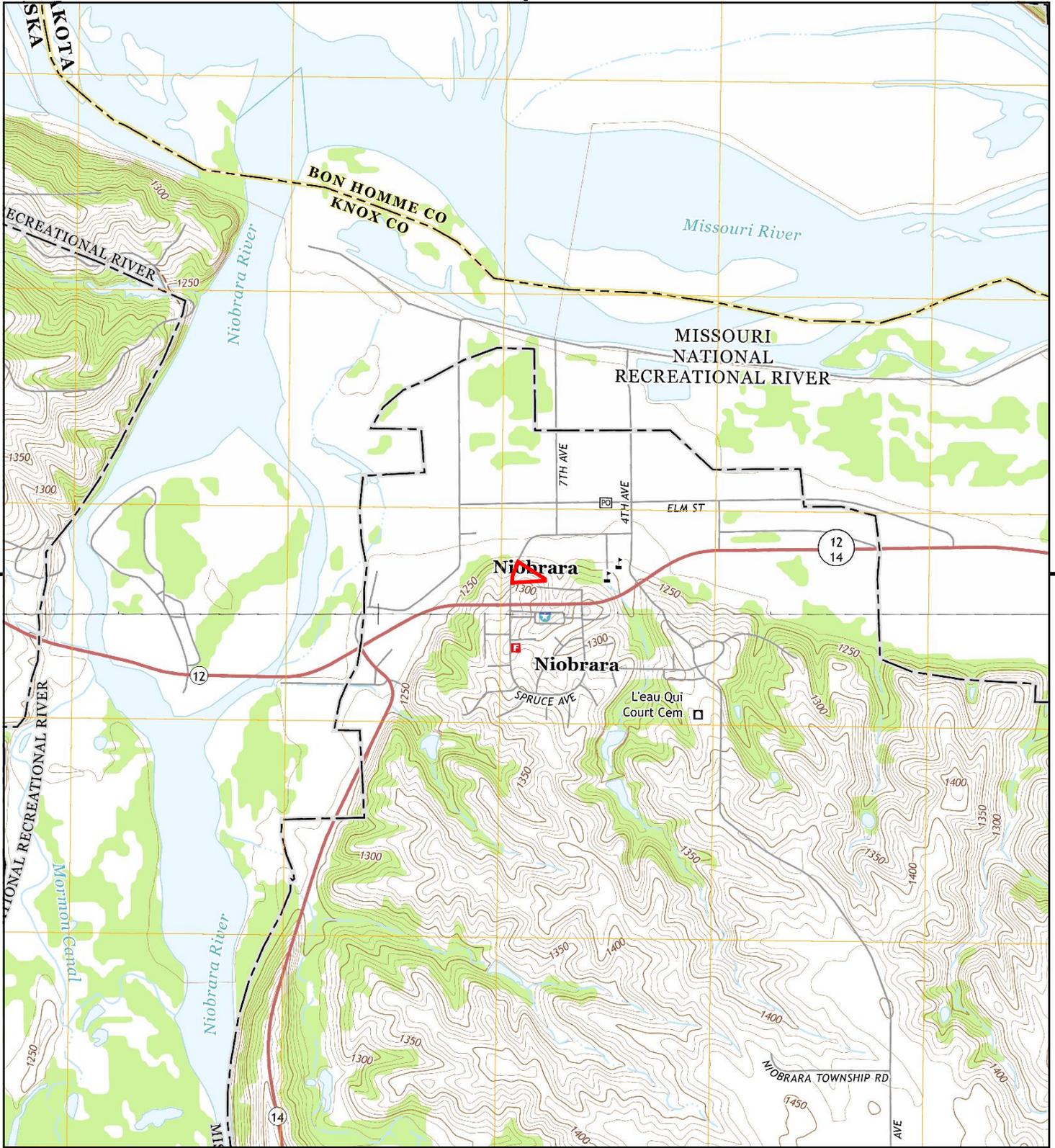
### **1950 Source Sheets**



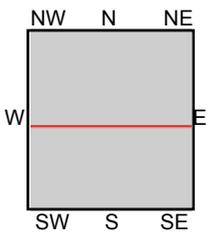
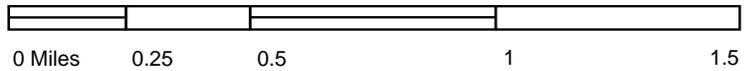
Verdigre NE  
1950  
7.5-minute, 24000  
Aerial Photo Revised 1946



Niobrara  
1950  
7.5-minute, 24000  
Aerial Photo Revised 1946



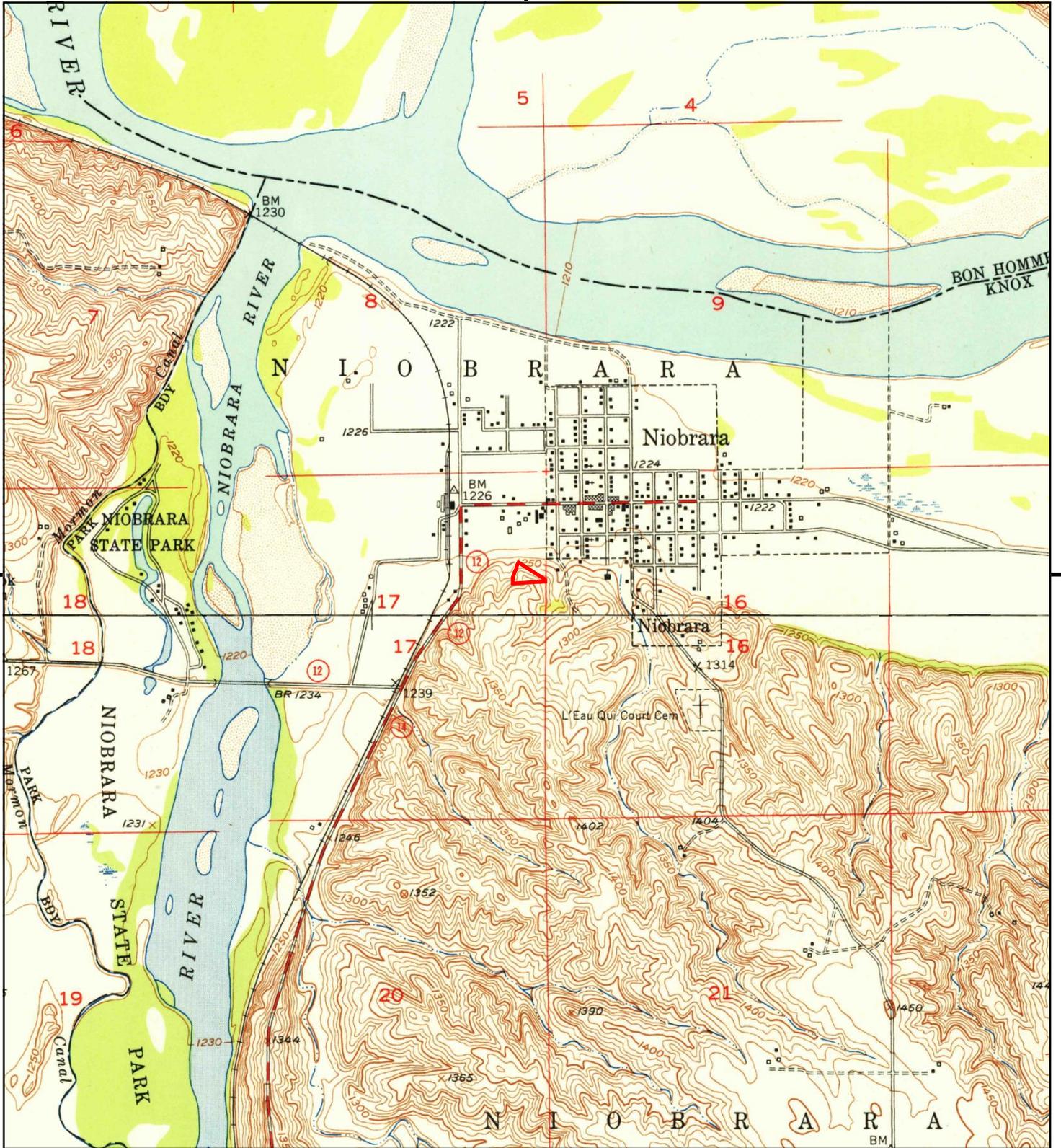
This report includes information from the following map sheet(s).



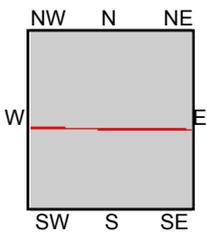
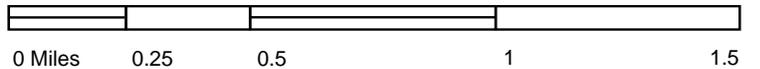
TP, Niobrara, 2014, 7.5-minute  
S, Verdigre NE, 2014, 7.5-minute

**SITE NAME:** Ponca Tribal Headquarters  
**ADDRESS:** 2523 Woodbine Street  
Niobrara, NE 68760  
**CLIENT:** Tetra Tech EMI





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



TP, Niobrara, 1950, 7.5-minute  
S, Verdigre NE, 1950, 7.5-minute

**SITE NAME:** Ponca Tribal Headquarters  
**ADDRESS:** 2523 Woodbine Street  
Niobrara, NE 68760  
**CLIENT:** Tetra Tech EMI



**APPENDIX F-5**

**HISTORICAL CITY DIRECTORY SEARCH**

**Ponca Tribal Headquarters**

2523 Woodbine Street  
Niobrara, NE 68760

Inquiry Number: 4763064.5  
October 26, 2016

# The EDR-City Directory Image Report

## TABLE OF CONTENTS

### SECTION

Executive Summary

Findings

City Directory Images

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

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## EXECUTIVE SUMMARY

### DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

### RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2013	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information Services
2008	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information Services
2003	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information Services
1999	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information Services
1995	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information Services
1992	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information Services

### RECORD SOURCES

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# FINDINGS

## TARGET PROPERTY STREET

2523 Woodbine Street  
Niobrara, NE 68760

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
-------------	-----------------	---------------

## WOODBINE

1995	pg A9	Cole Information Services
1992	pg A11	Cole Information Services

## WOODBINE ST

2013	-	Cole Information Services	Target and Adjoining not listed in Source
2008	pg A3	Cole Information Services	
2003	pg A5	Cole Information Services	
1999	pg A7	Cole Information Services	

## FINDINGS

### CROSS STREETS

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
-------------	-----------------	---------------

### SPRUCE AVE

2013	pg. A1	Cole Information Services
2008	pg. A2	Cole Information Services
2003	pg. A4	Cole Information Services
1999	pg. A6	Cole Information Services
1995	pg. A8	Cole Information Services
1992	pg. A10	Cole Information Services

## **City Directory Images**

**SPRUCE AVE 2013**

32	RANDY BATHKE
43	JAMES CANNING
88	KRISTI JONES
107	BOB JANOVEC
108	TOM MOTACEK
122	OCCUPANT UNKNOWN
124	KEVIN SCHRADER
125	CHAD BOLLING
127	CHARLES NIELSEN
249	PONCA TRIBE
	PONCA TRIBE OF NEBRASKA HEALTH & WEL
251	MOODY MOTOR COMPANY
252	J & K AUTO

**SPRUCE AVE 2008**

43	JAMES CANNING
104	DELMAR OLSON
105	ARLENE CORPORAN
106	BERNICE PINKELMAN
107	BOB JANOVEC
120	HARLEY ANDERSON
122	PATRICK MITCHUM
125	CHAD BOLLING
127	CHARLES NIELSEN
249	PONCA TRIBE OF NEBRASKA HEALTH MOD
251	MOODY MOTOR CO INC
252	J & K AUTO



-

**WOODBINE ST 2008**

2520 RICHARD HART

Target Street

Cross Street

Source

-

✓

Cole Information Services

**SPRUCE AVE 2003**

107 CLARENCE JANOVEC  
125 CHAD BOLLING



-

**WOODBINE ST 2003**

252 RICHARD HART

**SPRUCE AVE 1999**

24	IVAN HANZLIK
32	RANDY BATHKE
43	GALE REINOEHL
88	CARL KNUTSON
105	A CORPORAN
106	FRANK PINKELMAN
121	EARL TIKALSKY
122	MARGIE SCHWEERS
125	ANDY KNUTSON
126	JOHN NIEMOTH
251	MOODY MOTOR COMPANY



-

**WOODBINE ST 1999**

252 JEAN NOYER  
RICHARD HART

**SPRUCE AVE 1995**

24	HANZLIK, IVAN J
32	BATHKE, RANDY
43	REINOEHL, GALE
88	KNUTSON, CARL
104	OLSON, D N
105	CORPORAN, TOM
106	PINKELMAN, FRANK
107	JANOVEC, BOB
108	THOMPSON, BEN C
118	MAYBERRY, WILLIAM J
119	STINSON, WILBUR
121	TIKALSKY, EARL
122	DIEZ, CLAYTON W
125	KNUTSON, ANDY
126	NIEMOTH, JOHN



-

**WOODBINE 1995**

252 NOYER, JEAN

**SPRUCE AVE 1992**

24	HANZLIK, IVAN J
32	BATHKE, RANDY
43	REINOEHL, GALE
103	DRYAK, STANLEY
104	OLSON, D N
105	CORPORAN, TOM
106	PINKELMAN, FRANK
107	JANOVEC, BOB
108	THOMPSON, BEN C
118	MAYBERRY, WILLIAM J
119	STINSON, WILBUR
121	TIKALSKY, EARL
123	SCHLOTE, ALFRED
125	KNUTSON, ANDY
126	NIEMOTH, JOHN



-

**WOODBINE 1992**

252 NOYER, JEAN

**APPENDIX G**

**RESUMES**

**EXPERIENCE SUMMARY**

Ms. Bahr is an Environmental Scientist with six years of experience providing technical support for clients in the government and private sectors. Major areas of expertise include Phase I ESAs; NEPA reporting; hazardous materials surveys including asbestos, lead, mold, and household hazardous waste; demolition and abatement contractor oversight. Project support in these areas includes task management; technical report preparation; environmental field sampling; quality control and quality assurance for environmental field work; compliance inspection/determination; scientific data collection and analysis; and client communication. Ms. Bahr has also worked extensively on creating proposals and cost estimates to finalize time critical submittals. She has participated in emergency response training for the EPA dealing with chemical, biological and radiological agents.

**RELEVANT EXPERIENCE**
**Environmental Analysis and Permitting**

**Phase I Environmental Site Assessment, Verizon Wireless.** Ms. Bahr has completed many Phase I ESAs, which included an on-site assessment followed by a detailed records review of the site. Environmental risk was identified followed by determination if further sampling was recommended.

**Unified Government of Wyandotte County, Kansas City, Kansas**

Ms. Bahr prepared multiple Phase I and Phase II ESA reports for targeted Brownfield assessments for hazardous and petroleum sites in Wyandotte County, Kansas City, Kansas. Ms. Bahr's responsibility for the Phase I ESAs included assessing potential RECs and writing reports providing conclusions regarding potential RECs and recommendations for further work. This project included interpretation of an EDR database report, historical aerials, historic topographic maps, and city directories.

**Martin Marietta Materials, Phase I and Phase II Environmental Site Assessments for Multiple Sites in Colorado and Wyoming**

Ms. Bahr prepared multiple Phase I ESA reports for Martin Marietta Materials in Colorado as part of a property acquisition. Ms. Bahr's responsibility for the Phase I ESAs included assessing potential RECs and providing conclusions regarding potential RECs and recommendations for further work.

**Citadel Plaza Redevelopment Area Area-Wide Phase I Environmental Site Assessment of 156 Parcels, Kansas City, Missouri**

Ms. Bahr was performed an area-wide Phase I ESA on 156 parcels within the Citadel Plaza Redevelopment Area generally bounded by residential housing, wooded land and East 60th Street, the east side of Prospect Avenue to Bruce R. Watkins Highway, 63rd Street and Brooklyn Avenue in Kansas City, Jackson County, Missouri. Numerous RECs were identified associated with the subject property and surrounding properties including the following sources of contamination: area-wide asbestos contamination in soil, dry

**EDUCATION**

B.S., Environmental Science, University of Kansas, 2010

Minor, Geography, University of Kansas, 2010

**AREAS OF EXPERTISE**

Project Management

Phase I ESAs

Asbestos, Lead-Based Paint, Mold

NEPA Reporting

Environmental Sampling

**KEY TRAINING/ CERTIFICATIONS**

40-hour OSHA HAZWOPER with 8-hour Refreshers

CPR and Standard First Aid

AHERA Asbestos Inspector

Current Asbestos Inspector License for the State of Iowa, Missouri, and Nevada.

**OFFICE**

Kansas City, MO

**YEARS OF EXPERIENCE**

6

**CONTACT**

816-412-1742

[kaitlyn.bahr@tetrattech.com](mailto:kaitlyn.bahr@tetrattech.com)

cleaners, gas stations, former filling stations, former printers, and auto repair/auto service stations either on the subject property or hydraulically upgradient. Phase II field activities were recommended to address the RECs found during the area-wide Phase I ESA.

**Phase II Environmental Site Assessment, Nebraska Department of Environmental Quality, Omaha, NE.**

Ms. Bahr conducted site assessment of soil, groundwater and building materials to determine the extent of contamination at an industrial plant in West Point and Lincoln, NE.

**Phase II and III Environmental Site Assessment, EPA Region 7 START Contract.** Ms. Bahr conducted site assessment of soil to determine the extent of lead contamination for areas in the state of Missouri where previous lead mining activities occurred. Samples were taken from residences throughout two counties.

**Emergency Response Training, EPA Region 7 START Contract.** Ms. Bahr has participated in level A emergency response training for the EPA Region 7 START Contract that included a variety of situations including radiation release and unknown biological hazard release scenarios.

**National Environmental Policy Act (NEPA) Reports**

Ms. Bahr has completed NEPA reports in conjunction with a private telecommunication company's environmental site assessments (ESAs). The scope of work for the NEPA report includes NEPA Categorical Exclusion checklists, consultation with state and local agencies to evaluate the presence of threatened and endangered species, historically significant structures, sensitive areas, wetland delineations, biological evaluations, sacred Native American lands, and flood hazards on or near the subject properties. Because construction of cellular communication towers are federally regulated projects by the Federal Communications Commission (FCC), new cellular towers and certain collocations projects are subject to Section 106 consultation in accordance with the Advisory Council on Historic Preservation – 36 CFR 800 – and the Nationwide Programmatic Agreement for Review of Effects on Historic Properties for Certain Undertakings. Ms. Bahr maintains contact with all individuals involved in the NEPA and Section 106 processes, including the client, archaeological and architectural historians, site acquisition consultants, engineers, state agencies including the United States Fish and Wildlife Service, state conservation agencies, SHPOs, tribal entities, and citizens identified through public involvement.

**Enforcement and Compliance**

**American Recovery and Reinvestment Act (ARRA) Inspections, Mississippi, Ohio, New York, New Jersey, Pennsylvania, South Dakota, Missouri, Nebraska, Iowa and Kansas**

Ms. Bahr conducted ARRA inspections across the United States in 2010 and 2011. The inspections were conducted at sites who had obtained ARRA funding for projects such as wastewater and water treatment plant upgrades, well installations, storage, water line installation, pump stations, construction projects, etc. The purpose of the inspections were to ensure the recipients were in compliance with all ARRA requirements including Davis-Bacon, Buy America, Jobs Reporting, Green Project Reserve, and Poster/logo requirements. A memo was generated after each inspection to summarize the findings.

**On-site Compliance at Ford Motor Company Kansas City Assembly Plant and Stamping Plant, Claycomo, Missouri, 2013**

Ms. Bahr provided environmental support during a large-scale remediation project at the former Ford Paint Kitchen. Tasks included conducting oversight of excavation activities, performing field screenings, and preparing and dispensing load tickets for proper hazardous material disposal.

**Hazardous Materials Surveys**

**Environmental Assessment Services, Flood Damaged Homes – Cedar Rapids, Iowa.** Ms. Bahr is licensed in the state of Iowa as an asbestos inspector. Ms. Bahr completed asbestos surveys, mold identification and household hazardous waste identification on approximately 1,000 flood damaged homes in the Cedar Rapids, Iowa area. Ms. Bahr is responsible for the following tasks: hazardous materials survey report preparation and

upload to a Share Point website; close-out post remediation report preparation, organization and filling of all field sheets, lab results, and sample chain of custodies; conducted sample result interpretation; and finally development of all files and field sheets needed for the oversight of the remediation of the hazardous materials in the homes prior to their demolition.

#### **Environmental Assessment Services, AMC Entertainment Inc.**

Ms. Bahr has conducted asbestos inspections at AMC movie theaters throughout the United States. Tasks included conducting a non-destructive asbestos inspection, gathering photographic evidence, and compiling a report based on the laboratory results.

**Former Missouri State Prison, Targeted Brownfields Assessment – Jefferson City, Missouri.** Ms. Bahr is licensed in the state of Missouri as an asbestos inspector. Ms. Bahr was a part of a project team that completed a full hazardous materials inspection on the approximately 745,000 square foot 40 building complex. The inspection started with a Phase I ESA, followed by a full asbestos, lead based paint and mold inspection. Potentially PCB containing caulking was sampled along with an inventory and categorization of all household hazardous waste in the buildings was completed. She also helped with the final deliverables preparation required for the contract.

**Rockhill Greens Redevelopment, Targeted Brownfields Assessment – Kansas City, Missouri.** Ms. Bahr is licensed in the state of Missouri as an asbestos inspector. Ms. Bahr was a part of a project team that completed a full hazardous materials survey on the approximately 100,000 square foot 7 building complex. The inspection started with a Phase I ESA, followed by a full asbestos, lead based paint and mold inspection. Potentially PCB containing caulking was sampled along with an inventory and categorization of all household hazardous waste in the buildings was completed. She also helped with the final deliverables preparation required for the contract.

**Horace Mann School, Missouri Voluntary Cleanup Program – Kansas City, Missouri.** Ms. Bahr is licensed in the state of Missouri as an asbestos inspector. She acted as an asbestos inspector and Missouri Air Sampling Technician for the contract. Ms. Bahr assisted in developing an Analysis to Brownfields Cleanup Alternatives (ABCA) to evaluate the remediation options (including costs) for the removal of the hazardous materials identified in the 3-Story 50,000 square foot building prior to the demolition activities. Ms. Bahr then assisted in developing a Remedial Action Plan (RAP) for the removal of the hazardous materials identified based on the preferred option listed in the ABCA. The ABCA and the RAP are the first steps in the process to complete the Missouri Brownfields Voluntary Cleanup Program (MBVCP), which is a Brownfields program in the State that provides funding for renovations projects. Ms. Bahr was part of the team that provided oversight, along with air monitoring and clearance sampling for the removal of the hazardous materials.

**Indian Springs Mall Redevelopment, Targeted Brownfields Assessment – Kansas City, Kansas.** Ms. Bahr is licensed in the state of Kansas as an asbestos inspector. He acted as an asbestos inspector for the contract. Ms. Bahr led a team that completed a full hazardous materials inspection on the 4 building complex, encompassing approximately 800,000 square foot. The inspection started with a Phase I and Phase II ESA, followed by a full asbestos, lead based paint and mold inspection. Potentially PCB containing caulking was sampled along with an inventory and categorization of all household hazardous waste in the buildings was completed. Ms. Bahr provided critical communication with the client.

#### **KCMO Schools, Targeted Brownfields Assessment – Kansas City, Kansas**

Ms. Bahr is licensed in the state of Missouri as an asbestos inspector. She acted as an asbestos inspector for the contract. Ms. Bahr led a team that completed a full hazardous materials inspection on four KCMO schools (Bryant, Blenheim, Graceland and 7 Oaks). The inspections started with a Phase I and Phase II ESA, followed by a full asbestos, lead based paint and mold inspection. Potentially PCB containing caulking was sampled along with an inventory and categorization of all household hazardous waste in the buildings was completed. Ms. Bahr provided critical communication with the client. She also wrote the final deliverables required for the contract.

**Seven Oaks School Redevelopment Project – Kansas City, Missouri**

Ms. Bahr is licensed in the state of Missouri as an asbestos inspector. She provided technical services for the contract. Ms. Bahr conducted Phase I ESA, Radon Testing and a Vapor Encroachment Screening for the 3-Story 40,000 square foot building in anticipation of renovations for senior housing at the site. Once this was complete, Ms. Bahr assisted in developing Bid Plans and Specifications for the remediation phases of the project, which included, asbestos, LBP and hazardous waste.

**Environmental Assessment Services, City of Kansas City, MO, 63<sup>rd</sup> and Prospect Redevelopment Area, Kansas City, Missouri (2013-2014)**

Ms. Bahr conducted asbestos inspections at over 100 former residential parcels in the 63<sup>rd</sup> and Prospect Redevelopment area. Tasks included obtaining soil samples, cataloguing household hazardous waste, and verifying parcel locations with a land survey. In addition, Ms. Bahr conducted DPT soil and groundwater sampling at several former commercial parcels.

**Hazardous Materials Survey, Ford Motor Company Kansas City Assembly Plant and Stamping Plant, Claycomo, Missouri, 2013**

Ms. Bahr was part of a team that conducted an asbestos inspection of 75% of the Ford Assembly Plant as well as the accessory and support buildings. Tasks included sampling plan development, sample collection and analysis, implementation of a material damage ranking, and field documentation. Ms. Bahr consolidated all the findings from the assessment into a report deliverable, which included sample results, interpretation, recommendations, and detailed figures. Ms. Bahr is currently on call for hazardous material sampling when the need arises for the client. Each year a re-inspection is performed at the plant to assess the damage of asbestos containing materials.

**Hazardous Materials Survey – Hickam Air Force Base, Honolulu, Hawaii**

Ms. Bahr assists the Program Manager, providing critical communication with the client in dealing with the lab results, billing issues and providing guidance in following all regulatory guidelines for the project. Ms. Bahr also directs field sampling teams collecting asbestos and lead based paint samples. She also currently writes and reviews the final deliverables required for the contract.

**Stormwater Management****Stormwater Compliance Inspections, Kansas City Phase I, Phase II, and Lee's Summit Pipeline Replacement Project, Missouri Gas Energy, 2013-present**

Ms. Bahr is currently involved in assisting Missouri Gas Energy with maintaining compliance for erosion control along East 107<sup>th</sup> Street in Kansas City, Missouri. Tasks include checking silt fencing, silt socks, and other best management practices weekly and after rain events for integrity and compliance. Reports and photologs are generated after each inspection.

**Stormwater Compliance Inspections, Ford Motor Company Kansas City Stamping Plant, Claycomo, Missouri, 2013-present**

Ms. Bahr is currently involved in assisting Ford with maintaining compliance for erosion control and stormwater protection at Ford's Stamping Plant in Liberty, Missouri. Ms. Bahr inspects best management practices (BMP) in areas predisposed to erosion to determine if stormwater protection is adequate. An inspection report and photolog is generated after each inspection.

## ADDITIONAL EXPERIENCE

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MS Excel, MS Word, MS Outlook, MS PowerPoint, and ArcGIS

## EMPLOYMENT HISTORY

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2010 - Present      Environmental Scientist, Tetra Tech, Kansas City, Missouri

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**EXPERIENCE SUMMARY**

Ms. Wood has a master’s degree in geology and more than 19 years of consulting experience, including 14 years as an environmental consultant and more than 5 years as an information-systems consultant to state agencies. She has technical expertise related to groundwater quality evaluation, RCRA corrective action, RCRA compliance, RCRA and Superfund site assessment, Superfund hazard ranking documentation, hazardous waste management, and guidance and training development. Ms. Wood’s experience as a consultant includes design and implementation of large systems, interviewing and training technical and non-technical personnel, and performing quality control reviews.

**RELEVANT EXPERIENCE**
**EPA Experience**

**Compliance Evaluation Inspections of Hazardous Waste Facilities, Iowa, EPA Region 7.** Under multiple awards of the REPA contract, Tetra Tech has assisted EPA Region 7 hazardous waste enforcement efforts across the state of Iowa. Currently manages the Iowa hazardous waste inspection task order on the REPA contract, worth more than \$1M. Oversees the work of as many as 10 inspectors to inspect as many as 100 facilities per year.

Generator, treatment, storage, and disposal facilities are inspected during unannounced site visits. Reviewed EPA files to prepare for site visit. Interviewed owners, operators, and facility representatives. Observed and documented facility operations, with a focus on waste management practices. Prepared reports of potential violations for EPA review. Collected samples for waste characterization analysis by EPA Region 7 laboratory.

Under multiple awards of the REPA contracts, Tetra Tech has assisted EPA Region 7 hazardous waste compliance assistance across the state of Iowa. High and junior high schools are inspected during announced site visits. Interviewed teachers, principals, and administrators. Observed and documented school operations, with a focus on laboratories and maintenance facilities. Provided school administrators with compliance assistance materials. Prepared reports of potential violations for EPA review.

**RCRA Environmental Indicators Evaluation, EPA Region 7.**

Environmental Indicators (EI) evaluations measure a RCRA corrective action facility’s near-term progress toward annual cleanup targets for getting current human exposures controlled (form CA725) and migration of contaminated groundwater under control to minimize risk (form CA750). Ms. Wood managed the EI task order on the previous REPA contract. Completed CA725s and CA750s for facilities in Kansas, Missouri, Nebraska, and Iowa. Oversaw the completion of evaluations of 86 EIs at 45 facilities across the region, including recommendations for steps to meet 19 EIs. Reviewed

**EDUCATION**

M.S., Geology, University of Kansas, 2001  
 B.A., History, Trinity University, 1991

**AREAS OF EXPERTISE**

Hazardous Waste Compliance  
 RCRA Corrective Action  
 Hazardous Waste Permitting  
 Site Assessment  
 Due Diligence

**REGISTRATIONS/  
 AFFILIATIONS**

RG, Missouri (#2007006640)  
 PG, Nebraska (#G-0414)  
 LEED AP  
 At Large Member, Boulder County Resource Conservation Advisory Board

**KEY TRAINING/  
 CERTIFICATIONS**

40-hour OSHA HAZWOPER with 8-hour Refreshers  
 CPR and Standard First Aid  
 HAZWOPER Supervisor  
 EPA Confidential Business Information Training  
 Project Management 2  
 NETI Inspector

**OFFICE**

Kansas City, Missouri

**YEARS OF EXPERIENCE**

14

**CONTACT**

816-412-1787

documentation to establish levels and kinds of contamination, analyzed intensity and types of human exposures, and evaluated available groundwater gradient information. In order to meet an EPA internal goal for EI evaluations, mobilized a dozen staff members to complete 27 reports for 17 facilities in a single 3-month span.

**Cost Estimate Reviews, EPA Region 7.** Under the REPA contract, Tetra Tech has assisted EPA Region 7 with hazardous waste permitting for closure, post-closure, and corrective action. Ms. Wood managed lowa cost estimate reviews for the previous REPA contract. As part of this assistance, Tetra Tech reviews the cost estimate for the financial assurance sections of closure, post-closure, and corrective action permit applications. Reviewed facilities' cost estimates and documented their assumptions. Used CostPro and RACER to create an independent cost estimate for each facility based on the facility's assumptions and documented any facility oversights. Compared the independent cost estimate to the facility estimate and reported any shortfalls.

**Targeted Brownfields Assessments (TBA), EPA Region 7.** Ms. Wood is a qualified environmental professional providing oversight and technical review of Phase I and II TBAs for EPA Region 7. Sites assessed under her review have included industrial, commercial, and multi-site subject properties.

**Operations and Maintenance and Comprehensive Groundwater Monitoring Inspections, Iowa, EPA Region 7.** Since the State of Iowa does not conduct inspections under the RCRA Program, Region 7 enters into a contract for the completion of RCRA Operation and Maintenance Inspections (OMI) and Comprehensive Groundwater Monitoring Evaluations (CME) in the State of Iowa. OMIs are conducted to determine the adequacy of the groundwater sampling, analysis, and well maintenance procedures employed at RCRA facilities after a land disposal facility has closed. CME inspections are conducted to ensure that groundwater monitoring systems are designed and function properly at RCRA land disposal facilities. CMEs include an assessment of site hydrogeological conditions and may include sampling and analysis of the facility's groundwater monitoring system. Managed the Iowa OMI and CME task order under the REPA contract, completing or supervision the completion of OMIs or CMEs at 10 Iowa facilities. Completed file review with the EPA project manager—reviewing and evaluating sampling and analysis plans, quality assurance project plans, the facility's operating record, and groundwater monitoring reports. After the document review, conducted a field evaluation of a facility's groundwater sampling event, documenting compliance with approved sampling procedures and the condition of the facility's monitoring wells and equipment. Prepared reports including an evaluation of groundwater gradients, recommendations and requirements for changes to the facility's groundwater monitoring plans and reports, and documentation of the facility's current groundwater conditions. CME reports also include aquifer cross sections and an evaluation of the adequacy of the facility's groundwater monitoring program.

**Advanced Drainage Concepts/Green Solutions Project Support, Kansas City, Missouri, EPA Region 7.** EPA's Office of Research and Development's (ORD) National Risk Management Research Laboratory is currently implementing a project to develop, implement and evaluate the use of advanced drainage concepts, particularly green infrastructure (GI) for combined sewer overflow control. As a component of the ORD study, the project team used the previous REPA contract vehicle to request the installation of various kinds of green infrastructure on commercial and residential properties in the same study area. Managed the implementation of advance drainage concepts, including installation of rain gardens and rain barrels and disconnection of downspouts. Conducted public outreach to community and volunteers.

**RCRA Facility Investigation (RFI) Oversight, Des Moines, Iowa, EPA Region 7.** The John Deere Des Moines Works manufacturing facility near Des Moines, Iowa, is the subject of ongoing RCRA corrective action. Developed work plans and cost estimates. Evaluated the facility's RFI work plan and provided comments for improving the document to EPA. Managed project and prepared monthly status reports.

**Corrective Measures Oversight, Kansas City, Kansas, EPA Region 7.** The Harcros, Inc., facility in Kansas City, Kansas, is the subject of ongoing RCRA corrective action. Evaluated the facility's RFI results and CMS plan. Provided comments for improving the document to EPA. Managed project and prepared monthly status reports. Ms. Wood also supported the preparation of the administrative record for the statement of basis as part of ongoing corrective measures at Harcros Chemicals, Inc., in Kansas City, Kansas. Assembled documents related

to the initial Administrative Order on Consent, evaluated their relevancy to the ongoing proceedings and any potential enforcement sensitivity, and summarized their contents.

**RCRA Programmatic Quality Assurance Project Plan, EPA Region 7.** The programmatic Quality Assurance Project Plan (QAPP) is a document that was prepared at the beginning of the current and previous REPA contracts. It is used as the basis for QAPPs prepared for REPA work assignments, both for full project-specific QAPPs or as a reference document for short form project-specific QAPPs or sampling and analysis plans. Reviewed QAPPs from previous REPA contracts, current START contracts, and other sources and EPA guidance documents. Consolidated QAPPs and wrote additional material addressing new, contract-specific requirements.

**Nitrate Initiative Report, EPA Region 7.** The National Nitrate Compliance Initiative was an effort by the EPA to increase voluntary compliance in reporting among manufacturers who discharged incidentally-manufactured nitrates to surface water and land receptors. Incidentally-manufactured nitrates are those created during acid-neutralization procedures, especially in metal finishing and dairy industries. To showcase the success of this effort, a report was created to show the substantial increase in reported nitrate amount. Implemented required revisions, coordinated changes with all EPA regions, and updated data tables.

**RCRA Closure Sampling, Kansas City, Kansas, EPA Region 7.** The EPA Region 7 Laboratory formerly operated with a RCRA treatment, storage, and disposal permit. When the laboratory was scheduled to be moved to a new building, EPA was required to determine the nature and extent of contamination of soils and structural surfaces by hazardous wastes generated by the on-site laboratory and by waste samples and materials collected and stored onsite as a result of a variety of Superfund activities. Collected soil and dust samples for a range of contaminant types. Recorded and labeled 700 samples over 3 days. Prepared reports documenting sampling.

**Hazard Ranking, Kansas, EPA Region 7.** A former smelting facility in Kansas was the subject of an ongoing hazard ranking assessment for inclusion on the National Priorities List. Collected and assessed a range of related documents, including previous EPA and Kansas Department of Health and Environment assessments, private evaluations sponsored by the facility, and discovery documents generated by potential responsible parties. Wrote descriptions of the nature and extent of contamination and quantified the number of targets and the intensity of their exposure. Calculated a preliminary hazard ranking score.

**Hazard Ranking, Nebraska, EPA Region 7.** A grain elevator in Nebraska was the subject of an ongoing hazard ranking assessment for inclusion on the National Priorities List. Collected and assessed a range of related documents, including previous EPA and Nebraska Department of Environmental Quality assessments, private evaluations sponsored by the facility, and discovery documents generated by potential responsible parties. Wrote descriptions of the nature and extent of contamination and quantified the number of targets and the intensity of their exposure. Calculated a preliminary hazard ranking score.

**Community Involvement Plan, Iowa, EPA Region 7.** Hills, Iowa, is the site of perchlorate contamination in groundwater. Traveled to Hills with EPA representatives to interview community members and community leaders regarding EPA's involvement in Hills. Prepared a summary of these interviews and developed a community involvement plan based on the interviews.

**Groundwater Investigation, Iowa, EPA Region 7** Hills, Iowa, is the site of perchlorate contamination in groundwater. Collected groundwater samples from private wells, Geoprobe borings, and temporary wells for perchlorate, volatile organic, and trace metal analysis. Oversaw a pump test to determine hydraulic conductivity of two aquifers. Managed project sampling teams. Acted as health and safety officer for the 10 person sampling team.

**Spill Prevention Control and Countermeasures Inspections, western Nebraska, EPA Region 7.** The Spill Prevention Control and Countermeasures (SPCC) act regulates the activities of petroleum storage and production facilities, with the goal of preventing contamination of rivers and streams. Thirty-two facilities in western Nebraska were inspected by three teams over a week. Photographed and documented violations of SPCC regulations.

Interviewed facility owners and operators. Reviewed SPCC plans. Prepared reports and photographic logs documenting inspections.

**Expanded Site Investigation, North Platte, Nebraska, EPA Region 7.** This investigation sought to identify the source of dissolved PCE and TCE found in domestic supply wells in the city of North Platte, Nebraska. Several current and former dry cleaners and railroad facilities were identified as the potential sources for the dissolved solvents. Selected sampling locations within potential source zones, collected soil and groundwater samples with a Geoprobe crew, assisted Geoprobe operators, and documented field activities.

**Oversight of Field Activities at Superfund Sites, Missouri, EPA Region 7.** Herculaneum, Missouri, is the location of an ongoing removal action related to contamination attributed to the Doe Run Lead Smelting facility. As part of the removal, Doe Run is removing contaminated exterior soil and contaminated interior dust from residential properties in the town. Ava, Missouri, is the location of the 12th Avenue Solvent site. Soils at this site have been contaminated with xylene and ethylbenzene. Oversaw and maintained a log of all excavation and cleanup activities. Collected confirmation samples of soil and house dust to verify clean-up levels. Collected samples of road dust to evaluate potential contamination from ore shipments. Obtained access agreements from residents.

**Preliminary Assessments, Kansas and Nebraska, EPA Region 7.** Preliminary assessments are the first step of CERCLA review. Reviewed the environmental history of a decommissioned Atlas missile silo in central Kansas and of a meat packing facility in northeastern Nebraska. Reviewed files available from the EPA regional office. Searched databases maintained by EPA, state geological surveys, the U.S. Census, and other state and federal government agencies. Interviewed officials from state and federal agencies. Assembled information describing potential contaminated media at the facility and possible contamination targets. Used EPA software to calculate a preliminary hazard ranking score.

**Archive Site File Review, Kansas, Missouri, and Nebraska, EPA Region 7.** Archive site file reviews are performed for sites that have come under the supervision of CERCLA, but for which no further action is expected. Reviewed EPA files for sites in Kansas, Missouri, and Nebraska. Prepared forms justifying the removal of the site from active CERCLA oversight.

**Field Analytic Technologies Encyclopedia, Technology Innovation Office, EPA Headquarters.** The Field Analytic Technologies Encyclopedia was developed to provide information about technologies that can be used in the field to characterize contaminated soil and ground water. It is part of the EPA's CLU-IN effort, under the direction of its Technology Innovation Office. Researched and wrote encyclopedia articles about direct push sampling of groundwater, soil, and soil gas and direct push geotechnical sensors, including those developed for rotary hammer and cone penetrometer platforms. Prepared articles for web-publication.

**RCRA Corrective Action Training, Technology Innovation Office, EPA Headquarters.** Under its contract with the Technology Innovation Office, Tetra Tech was asked to prepare internal training modules for topics related to RCRA Corrective Action, in particular the use of institutional controls. Researched guidance and reviewed training materials. Developed PowerPoint presentations and presenter notes for training sessions.

**Revision of CostPro Cost Estimating Software, Technology Innovation Office, EPA Headquarters.** Under its contract with the Technology Innovation Office, Tetra Tech was asked to prepare update the CostPro cost estimating software, originally developed by Tetra Tech in the 1990s. Created spreadsheets documenting the previous versions calculations and assumptions. Designed data input screens. Participated in end-user research.

## Other Government Experience

**Remedial Investigations, Kansas, U.S. Army Corps of Engineers (USACE), Kansas City District, 2012 to present.** The USACE is conducting remedial investigations (RI) at two former Atlas missile silo sites in eastern Kansas. Managed task orders under two joint venture HTRW contracts. Prepared quality plans, including

contractor quality control plans (CQCP) and unified federal policy quality assurance project plans (UFP-QAPP). Participated and led scoping meetings, including technical project planning (TPP) meetings attended by contractors, USACE personnel, and state regulators. Procured drilling and laboratory subcontractors that met all USACE safety, quality, and accounting requirements. Participated in site reconnaissance visits. Supervised install and sampling of monitoring wells; soil, sediment, surface water, and sump sampling. Prepared and revised RI reports that included baseline risk assessment.

**Site Investigations, Nebraska, Nebraska Department of Environmental Quality (NDEQ).** NDEQ has tasked Tetra Tech with investigation of a number of groundwater contamination sites in the state. Prepared work plans, cost estimates, and sampling plans for the site investigation. Supervised mobile laboratories and Geoprobe crews. Collected soil and groundwater samples from Geoprobe sample points and groundwater samples from drinking water wells. Collected access agreements from property owners. Interpreted analytical results and other documentation to develop recommendations for future action. Prepared preliminary hazard ranking system score for the site. Performed technical review of reports prepared by other investigators.

**Operations and Maintenance Inspections, Nebraska, NDEQ.** The Operations and Maintenance Inspection is a part of ongoing RCRA corrective action at a facility. These inspections were completed at multiple facilities in Nebraska for NDEQ. Oversaw sampling events and collected confirmation samples. Evaluated groundwater sampling and analysis plan, field procedures, documentation, and quality control measures. Compared procedures to accepted professional guidelines. Made recommendations to improve quality of samples and clarity of documentation.

**Comprehensive Monitoring Evaluation, Nebraska, NDEQ.** The Comprehensive Monitoring Evaluation (CME) is a part of ongoing RCRA corrective action at a facility. CMEs were completed at multiple facilities in Nebraska for NDEQ. Oversaw sampling events. Evaluated groundwater sampling and analysis plan, field procedures, documentation, and quality control measures. Reviewed previous reports and descriptions of groundwater contamination. Compared procedures to accepted professional guidelines. Evaluated the adequacy of the facility's characterization of groundwater contamination and its ability to contain contaminated groundwater on its property.

**TBAs, NDEQ.** Ms. Wood is a qualified environmental professional providing oversight and technical review of Phase I and II TBAs for NDEQ. Sites assessed under her review have included industrial, commercial, and multi-site subject properties.

**Waste Tire Market Development Plan, Colorado Department of Public Health and Environment (CDPHE) -** Ms. Wood is assisting CDPHE with implementation of its Waste Tire Market Development Plan. The goal of the project is implement the Waste Tire Market Development Plan that was completed in May 2013. The project includes coordinating a statewide conference, technical trainings, technical assistance and identification, and cleanup of waste tire piles.

**Voluntary Cleanup Guidance, Nebraska, NDEQ.** NDEQ is developing guidance materials for its voluntary cleanup program. The guidance will include information to help facility owners and operators and their consultants conduct investigations and cleanup their properties. Reviewed federal and state guidance documents. Assembled investigation and cleanup checklists from variety of sources. Prepared an annotated bibliography of relevant sources. Wrote guidance material for investigation and remedial action.

**Implementation of Strategic Long-term Solid Waste Management Plan, City of Kansas City Missouri.** Ms. Wood was part of the team assisting the City with the procurement and construction of the EcoCenter materials recovery facility. The team is executing procurement—from drafting the request for proposals through evaluation of submittals—for the financing, design, construction, and operation of the Kansas City Eco Center, a solid waste recovery and processing facility, transfer station, office space, and educational center prescribed to address rapidly depleting landfill space within the region.

**Smart Growth Training Materials, City of Kansas City Missouri.** “Smart growth” is sustainable development that focuses on how and where new development should be accommodated in order to build strong neighborhoods, promote economic development, provide families a clean and healthy environment, and offer transportation choices. Tetra Tech was chosen to support the City of Kansas City in implementing a grant received by the City from EPA. Researched development case studies, target audiences, and growth principles. Interviewed developers and property owners. Participated in and facilitated focus group and roundtable meetings. Developed high quality outreach materials using Microsoft Publisher.

**Groundwater Sampling, Alaska, National Oceanic and Atmospheric Administration (NOAA).** NOAA has operated several facilities in the Pribilof Islands, including some that had leaking underground storage tanks. Collected groundwater samples for volatile organic compounds, semivolatile organic compounds, and hydrocarbons from a range of depths using a variety of pumps. Documented well conditions. Measured water levels.

**Archeological Evaluation, Kansas, General Services Administration (GSA).** GSA was disposing of the real property at the Sunflower Army Ammunition Plant in DeSoto, Kansas. As part of the disposal process, GSA must show that no cultural resources will be damaged by the property transaction. Procured subcontractors, including archeologists, heavy equipment operators, and NEPA specialists. Prepared and distributed project reports and notices for public interest groups. Oversaw soil survey to document areas of disturbance. Managed project budgets and schedules.

**Bioterrorism Preparedness Assessment, Iowa, Iowa Department of Public Health (IDPH).** IDPH, with a grant from the Centers for Disease Control, contracted Tetra Tech to conduct a comprehensive assessment of the state’s preparedness for a bioterrorism event or infectious disease outbreak. This assessment was followed by a reassessment 10 months later. Developed survey questions. Conducted pilot tests for hospitals, local public health agencies, and emergency medical services. Visited about 30 sites over a two week period. Managed survey teams. Answered user questions about the online survey content and procedure. Wrote reports, prepared diagrams, and drafted tables.

**Phase II Environmental Site Assessment (ESA), 7117-7125 Prospect, City of Kansas City, Missouri.** The location is a former dry cleaning business that is the site of future commercial real estate development. Performed Phase II ESA for the City of Kansas City, Missouri. Reviewed data quality, created isoconcentration maps for soil concentrations of PCE and TCE, and wrote the ESA report for the city. As part of ongoing development plans, investigated disposal options, including estimating contaminated volume, researching landfill requirements, and contacting waste disposal facilities.

### Private Client Experience

**Corrective Action and Permit Support, Explosives Manufacturer, Kansas.** Ms. Wood has supported the ongoing corrective action and permitting at an ammunition plant in Kansas, in particular the preparation of a permit application for the operation of a hazardous waste container storage facility and an open detonation grounds. She prepared the closure and post-closure plan and the cost estimate for financial assurance. Ms. Wood also prepared the groundwater monitoring plan that supported the closure plan. In addition to permit application, Ms. Wood also provided general support for ongoing corrective action. She researched regulations related to management, disposal, and treatment of construction debris potentially contaminated with polychlorinated biphenyls (PCB) and prepared correspondence asking for exemptions and permits for submission to Kansas Department of Health and the Environment (KDHE).

**Permit Support, Hazardous Waste Management Company, Nationwide.** Ms. Wood has prepared, or assisted the preparation of, hazardous waste permits for a hazardous waste collection company for its facilities in Maryland, New Hampshire, Connecticut, and Indiana. She drafted closure plans and closure cost estimates for each facility. Ms. Wood also prepared exception requests for some closure provisions that did not apply to the client facilities.

**Hazardous Waste Compliance Assistance and Training, Automobile Auction Corporation, Nationwide.** Ms. Wood provides environmental compliance support for an automobile auction corporation with facilities nationwide. Services have included preparation and delivery of annual and initial training; preparation of contingency plans; preparation and submission of annual reports; procurement of disposal contractors; oversight of waste management and collection; and response to inspection findings.

**Permit Support, Airline, Georgia and Mountain West.** The client operates a large maintenance facility at the Hartsfield-Jackson International Airport and is in the process of closing its hazardous waste storage facility. Prepared a closure sampling plan. Documented already completed closure activities. For the same airline, conducted hazardous waste compliance audits at maintenance facilities in the Mountain West, including assessments of compliance and recommendations for addressing deficiencies.

**Hazardous Waste Compliance Assistance, Mining Corporation, New Mexico.** Ms. Wood serves provides waste management compliance support for wastes generated during the closure of a mine in New Mexico. Services have included preparation of waste management plans; review and preparation of waste characterization procedures; and regulatory review and summary.

**Post-Closure and Corrective Action Assistance, Metal Casting Company, Missouri.** The client produces bushings and bearings of sintered metal. Under the conditions of its Missouri Hazardous Waste Management Facility Permit, the facility is required to prepare an annual groundwater corrective action report based on semiannual groundwater monitoring. Ms. Wood has assisted the facility in preparing an application for the renewal of its hazardous waste permit, including preparation of a post-closure plan and cost estimate. She also supports the facility in its ongoing groundwater monitoring, including preparation of the semiannual and annual groundwater reports.

**Permit Application and Facility Assessment Support, Petroleum Refinery, Texas.** The refinery is primarily involved with manufacture of specialty chemicals including organosulfur compounds, high purity hydrocarbons, specialty fuels, and polyphenylene sulfide, an engineering plastic. Assisted preparation of a permit application for RCRA postclosure care at the facility in accordance with the RCRA requirements at 40 CFR Parts 264 and 270. Prepared RCRA Facility Assessments (RFA) for newly identified releases.

**SPCC and Stormwater Management (SWM) Plans, Quarrying Company, Colorado.** As a result of a property acquisition of quarrying and asphalt properties in Colorado, Tetra Tech was tasked to update facilities' SPCC and SWM plans. Developed templates for planning documents. Reviewed permits, historical plans, and site reconnaissance documentation. Wrote plans for facilities.

**Due Diligence, Quarrying Company, Colorado.** Ms. Wood was the qualified environmental professional providing technical review for the due diligence related to the sale of more than 40 quarrying and ready-mix concrete sites in Colorado.

**Due Diligence, Facilities Management Company, Nationwide.** Ms. Wood was the qualified environmental professional providing technical review for the due diligence related to a real estate transaction of more than 25 bank branches.

**Spill Response and Cleanup, Trucking Insurance Company, Colorado.** Ms. Wood provided spill response and cleanup support for a 2,400-gallon diesel spill resulting from a tanker truck accident. The release occurred in a remote area and impacted the roadway and adjacent shoulder areas. Prepared remediation summary report and stream monitoring plan and submitted to Colorado Department of Health and Public Environment (CDPHE). Currently awaiting agency comments on deliverables and to implement the proposed stream monitoring activities.

**Strategic Solid Waste Plan, Confidential Client.** A confidential private client requested a white paper concerning potential expansion or creation of a variety of different solid waste disposal facilities at its facility. Tetra Tech's analysis included the regulatory framework for disposal facilities, a market analysis of current disposal conditions, and identification of key stakeholders. Reviewed and summarized local, state, and federal

regulations for the disposal and management of municipal solid waste, construction and demolition waste, and hazardous waste. Prepared disposal recommendations and identified benefits and pitfalls of all waste disposal options.

**Compliance Assistance, Redevelopment of Ammunition Plan, Kansas.** The client began remediation at the former ammunition plant in Kansas. Ms. Wood also served as the contract manager for the Tetra Tech EMI team at and oversaw finances for the \$1.5M contract. Environmental compliance issues related to pesticide application, management of asbestos containing material, permit and consent decree provisions, overlapping jurisdictions, and financial assurance have arisen during the corrective action at this complex site. Ms. Wood served as part of a steering committee preparing white papers for a team consisting of the developer, the developer's internal counsel, and its subcontractors to clarify the regulatory framework and make recommendations for future action.

For this facility, the client also requested a Class 2 hazardous waste permit modification to add staging piles for management of remediation wastes generated during corrective action activities. Participated in scoping meetings with the client's contractors and subcontractors. Drafted permit modification application and revised based on preliminary meetings with federal and state regulators. Participated in and facilitated public meetings.

**Due Diligence, Grain Elevator Company, Nationwide.** Ms. Wood was the qualified environmental professional providing technical review for the due diligence related to the sale of 16 grain elevator sites in Texas, Illinois, Tennessee, and Mississippi.

**Compliance Assistance, Parcel Delivery Company, Nationwide.** As part of its ongoing environmental compliance efforts, the client requested that Tetra Tech provide a break-down of waste management regulations for the State of California. Researched California hazardous, solid, and special waste regulations. Prepared waste management guidelines.

**Phase I ESA, Explosives Manufacturer, Kansas.** The client requested these services in response to a Kansas Department of Health and Environment (KDHE) finding that contamination from previous owners persists on the property. Conducted an ASTM-standard Phase I ESA at the Energetics unit, focusing on areas that may have resulted in soil or groundwater contamination with perchlorate, fuel oil, or other hazardous constituents. Conducted the site walk and interviews with facility representatives. Documented observations with photos and field notes.

**Phase I ESA and Visual Site Inspections, Cellular Telephone Company, Nationwide.** These sites were potential locations for Verizon cellular telephone antennae. The antennae would be located on a variety of pre-existing structures or constructed on undeveloped land. Phase I ESAs were conducted at locations where new antennas or equipment sheds were to be built. Visual Site Inspections were conducted in locations where equipment sheds were to be expanded. Researched local geology, hydrogeology, and hydrology, interviewed site users and adjacent property managers, and investigated any possible recognized environmental conditions.

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## SCIENTIFIC/TECHNICAL PUBLICATIONS

Wood, H.K. and G.L. Macpherson. 2005. "Sources of Sr and implications for weathering of limestone under tallgrass prairie, northeastern Kansas." Applied Geochemistry. 20. pp. 2325-2342.

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## ADDITIONAL TRAINING/CERTIFICATIONS

RCRA Corrective Action (2002)

Planning for Quality Project Management Training (2002)

Technical Writing (2003)

## ADDITIONAL EXPERIENCE

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CostPro

Microsoft Publisher

Word Processing Superuser

## EMPLOYMENT HISTORY

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2001 - Present	Environmental Consultant, Tetra Tech, Inc., Kansas City, MO
1998 – 2001	Teaching Assistant, University of Kansas, Lawrence, KS
1991 – 1996	System Design Consultant, Andersen Consulting, Austin, TX