December 19, 2022

Ms. Lisa Dunning
Task Order Contracting Officer's Representative
U.S. Environmental Protection Agency, Region 7
11201 Renner Boulevard
Lenexa, Kansas 66219

Subject: **Contract No. 68HERH19D0018; Task Order (TO) No. 68E0719F0190**
Village of Winslow, 201 Elkhorn Avenue, Winslow, Dodge County, Nebraska
Phase I Environmental Site Assessment

Dear Ms. Dunning:

Toeroek Associates, Inc. (Toeroek) and our teaming subcontractor, Tetra Tech, Inc. (Tetra Tech), (hereafter "Toeroek Team") are pleased to present the revised Phase I Environmental Site Assessment (ESA) report regarding the property located at 201 Elkhorn Avenue, Winslow, Dodge County, Nebraska (the subject property). This deliverable has been reviewed internally as part of Tetra Tech's quality assurance program, as well as Toeroek's quality assurance program, and is consistent with Toeroek's Quality Management Plan for the Resource Conservation and Recovery Act (RCRA) Enforcement and Permitting Assistance (REPA) contract. Documentation of this review is retained in the Toeroek Team's project files.

If you have any questions or comments, please contact Greg Hanna at 720-898-4102 or Kaitlyn Mitchell at 816-412-1742.

Sincerely,

Greg Hanna
Toeroek Team Program Manager

Kaitlyn Mitchell
Toeroek Team Project Manager

Enclosure: Phase I ESA

cc: Leanna Balsley, EPA Region 7 (cover letter only)
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TARGETED BROWNFIELDS ASSESSMENT
PHASE I ENVIRONMENTAL SITE ASSESSMENT

VILLAGE OF WINSLOW
201 ELKHORN AVENUE
WINSLOW, DODGE COUNTY, NEBRASKA

Prepared for

U.S. ENVIRONMENTAL PROTECTION AGENCY
REGION 7

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CONTENTS

Section **Page**

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 3
1.5 LIMITATIONS AND EXCEPTIONS 3
1.6 SPECIAL TERMS AND CONDITIONS 4
1.7 STATEMENT OF USER RELIANCE 4

2.0 SITE LOCATION AND LEGAL DESCRIPTION 5

2.1 SITE LOCATION AND LEGAL DESCRIPTION 5
2.2 SITE AND VICINITY GENERAL CHARACTERISTICS 5
2.3 CURRENT AND PAST USES OF THE SITE 5
2.4 DESCRIPTIONS OF STRUCTURES, ROADS, AND OTHER IMPROVEMENTS ON THE SITE 6
2.5 CURRENT AND PAST USES OF ADJOINING/SURROUNDING PROPERTIES 6
2.6 GEOLOGIC, HYDROGEOLOGIC, HYDROLOGIC, AND TOPOGRAPHIC CONDITIONS 6

2.6.1 Topography 6
2.6.2 Geologic Setting 6
2.6.3 Hydrogeology 6
2.6.4 Hydrology 7

3.0 USER-PROVIDED INFORMATION 8

3.1 EXISTING STRUCTURE INFORMATION AND DRAWINGS 8
3.2 SUMMARY OF TITLE INFORMATION 8
3.3 ENVIRONMENTAL LIENS OR ACTIVITY AND USE LIMITATIONS 8
3.4 SPECIALIZED KNOWLEDGE 8
3.5 OWNER, SITE MANAGER, AND OCCUPANT INFORMATION 8
3.6 REASON FOR PERFORMING PHASE I ESA 8

4.0 SITE RECONNAISSANCE 9

4.1 METHODOLOGY AND LIMITING CONDITIONS 9
4.2 GENERAL SITE SETTING 10

4.2.1 Site Description 10
4.2.2 Exterior Observations 10
4.2.3 Interior Observations 10

4.3 SPECIFIC RECONNAISSANCE ITEMS 10

4.3.1 Hazardous Substances and Petroleum Products 10
4.3.2 Hazardous Waste 11
4.3.3 Landfills, Dumps, Burials, or Solid Waste Disposal 11

4.3.4 Storage Tanks 11
4.3.5 Polychlorinated Biphenyls-containing Equipment 11
4.3.6 Heating, Ventilation, and Air Conditioning System and Fuel Source 11
4.3.7 Drains, Sumps, Pools of Liquids, Standing Water, Cisterns, and Cesspools 12
4.3.8 Pits, Ponds, and Lagoons 12
4.3.9 Stains or Corrosion and Stained Soil or Pavement 12
4.3.10 Areas of Dead, Distressed, Discolored, or Stained Vegetation 12
4.3.11 Possible Fill, Grading, or Solid Waste Disposal 12
4.3.12 Smells of Chemical Gases, Petroleum Products, or Noxious Odors 12
4.3.13 Wastewater and Stormwater Systems and Discharges 12
4.3.14 Wells and Potable Water Supply 13
4.3.15 Lead-based Paint 13
4.3.16 Asbestos-containing Building Materials 13
4.3.17 Other Site-specific Environmental Conditions 13

4.4 VICINITY RECONNAISSANCE 13

5.0 INTERVIEWS 14

5.1 INTERVIEW WITH OWNER 14
5.2 INTERVIEWS WITH KEY SITE MANAGER 14
5.3 INTERVIEWS WITH CURRENT OCCUPANTS 14
5.4 INTERVIEWS WITH PAST SITE OWNERS/OCCUPANTS 14
5.5 INTERVIEWS WITH LOCAL/STATE GOVERNMENT OFFICIALS 14

6.0 RECORDS REVIEW 16

6.1 ENVIRONMENTAL RECORDS SOURCES 16

6.1.1 Environmental Database Search 16
6.1.2 Vapor Encroachment Screening 17
6.1.3 Valuation Reduction for Environmental Issues 18
6.1.4 Engineering and Institutional Controls 18
6.1.5 Title Records 18

6.2 HISTORICAL USE INFORMATION REGARDING THE SITE AND ADJOINING PROPERTIES 19

6.2.1 Historical Property Ownership 19
6.2.2 Property Tax Files 20
6.2.3 Building Department Records 20
6.2.4 Aerial Photographs 21
6.2.5 Sanborn Map Report 22
6.2.6 Historical Topographic Maps 22
6.2.7 City Directories 23
6.2.8 Previous Reports 23

7.0 FINDINGS AND OPINIONS 24
8.0 CONCLUSIONS AND RECOMMENDATIONS 25
9.0 CERTIFICATION STATEMENT 26
10.0 REFERENCES 27

TABLES

Table **Page**

TABLE 6-1 CHAIN-OF-TITLE SUMMARY 19
TABLE 6-2 SUMMARY OF AERIAL PHOTOGRAPHS 21
TABLE 6-3 SUMMARY OF HISTORICAL TOPOGRAPHIC MAPS 22

APPENDICES

Appendix

APPENDIX A FIGURES
APPENDIX B EDR LIEN AND AUL SEARCH
APPENDIX C PHOTOLOG
APPENDIX D INTERVIEW DOCUMENTATION AND USER-PROVIDED INFORMATION
APPENDIX E EDR RADIUS MAP WITH GEOCHECK
APPENDIX F HISTORICAL USE DOCUMENTATION
- APPENDIX F-1 CHAIN-OF-TITLE RECORDS
- APPENDIX F-2 PROPERTY TAX MAP REPORT
- APPENDIX F-3 BUILDING PERMIT REPORT
- APPENDIX F-4 HISTORICAL AERIAL PHOTOGRAPHS
- APPENDIX F-5 HISTORICAL SANBORN FIRE INSURANCE MAPS
- APPENDIX F-6 HISTORICAL TOPOGRAPHIC MAPS
- APPENDIX F-7 HISTORICAL CITY DIRECTORY SEARCH

APPENDIX G RESUMES

EXECUTIVE SUMMARY

The U.S. Environmental Protection Agency (EPA) tasked Toeroek Associates, Inc. (Toeroek) and its teaming subcontractor, Tetra Tech, Inc. (Tetra Tech), (hereafter "Toeroek Team") with providing technical support to the EPA Region 7 Brownfields Program under Contract Number (No.) 68HERH19D0018, Task Order No. 68E0719F0190. EPA Region 7 requested the Toeroek Team conduct a Phase I Environmental Site Assessment (ESA) as part of a Targeted Brownfields Assessment (TBA) of the property located at 201 Elkhorn Avenue in Winslow, Dodge County, Nebraska (the subject property) (Appendix A, Figure 1). The subject property includes one 2-story commercial structure. According to the TBA Application (EPA 2022), the community is surrounded by a levee system but sustained substantial damage during the Spring 2019 flooding events. Damage to many buildings rendered them uninhabitable and/or unusable without major repair. As a result, the Village of Winslow is participating in a Federal Emergency Management Agency (FEMA) property acquisition project to remove as many structures as possible from the mapped floodplain.

The Village of Winslow municipal government requested assistance from EPA Region 7 under the TBA program to assess current environmental conditions at the subject property. This Phase I ESA accorded with the *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*, ASTM International (ASTM) International designation E1527-21 (ASTM 2021), and otherwise complied with EPA's "All Appropriate Inquiries" Rule (Title 40 *Code of Federal Regulations* Part 312).

The purposes of this Phase I ESA were to identify recognized environmental conditions (RECs), historical RECs (HRECs), controlled RECs (CRECs), and business environmental risks (BERs) for the subject property, and to identify the nature of contamination and risks posed by the contamination if present.

Findings and Opinions

The following significant findings and opinions resulted from this Phase I ESA:

- According to the Dodge County Assessor, the subject property structure was constructed in 1902. Based on the age of the subject property structure, asbestos-containing building materials (ACBM) and lead-based paint (LBP) may have been used in its construction. The possible presence of ACBM and LBP poses a BER for the subject property.
- Multiple 55-gallon drums of indeterminate contents were observed on the subject property in an area containing extensive overgrown vegetation. Due to the inaccessibility of the 55-gallon drums combined with the inability to observe areas around the drums for staining pose a REC for the subject property.

- A dumped refrigerator and a camper shell filled with refuse and building material waste were observed within the subject property boundary in the grassy area to the west of the structure. A pile of building material waste was also observed adjacent to a rusted drum. The presence of dumped white goods that may contain refrigerant and the possible presence of ACBM in the building material waste is a BER for the subject property. The possible presence of LBP in dumped building material waste on soil poses a REC for the subject property.

- The Champlin Petroleum Co. site located approximately 0.184 mile to the east-northeast of the subject property, at the intersection of U.S. Highway 77 and West Willow Street/Road J, is listed in the underground storage tank (UST) and Historic UST databases. Three USTs were installed at this site—one 275-gallon used oil UST, one 3,000-gallon UST, and one 1,000-gallon empty UST listed as permanently out of use. The dates of installation were not reported. Based on the lack of closure information and proximity to the subject property, this listing poses a REC for the subject property.

- The Winslow Groundwater site located approximately 0.192 mile to the southeast of the subject property, at the intersection of Logan Street and Railroad Street, is listed in the Superfund Enterprise Management System Archive database. A Preliminary Assessment was conducted in 2011 to determine if groundwater was impacted by carbon tetrachloride resulting from a grain storage facility (Tetra Tech, Inc. 2011). Drinking water wells in the Village of Winslow were sampled, and no carbon tetrachloride or other volatile organic compounds (VOCs) were detected. This site is not on the National Priorities List and no further remedial action is planned. However, no soil-gas samples were collected, and no groundwater was sampled between the grain storage facility and the subject property. Based on the proximity to the subject property, this listing poses a REC for the subject property.

Recommendations

Based on results of this Phase I ESA, the Toeroek Team recommends the following:

- A hazardous building materials survey of the subject property structure, for ACBM and LBP prior to demolition, to assess the BER for the subject property.

- A Phase II ESA should be performed at the subject property, including soil sampling in the area containing the 55-gallon drums and building material waste for VOCs, semivolatile organic compounds (SVOCs), total petroleum hydrocarbons (TPH), polychlorinated biphenyls (PCBs), and Resource Conservation and Recovery Act (RCRA) Metals. In addition, groundwater sampling for TPH, RCRA metals, and VOCs and soil-gas sampling for VOCs is recommended to assess sources off-site for the identified RECs.

1.0 INTRODUCTION

The U.S. Environmental Protection Agency (EPA) tasked Toeroek Associates, Inc. (Toeroek) and its teaming subcontractor, Tetra Tech, Inc. (Tetra Tech), (hereafter "Toeroek Team") with providing technical support to the EPA Region 7 Brownfields Program under Contract Number (No.) 68HERH19D0018, Task Order No. 68E0719F0190. EPA Region 7 requested the Toeroek Team conduct a Phase I Environmental Site Assessment (ESA) as part of a Targeted Brownfields Assessment (TBA) of the property located at 201 Elkhorn Avenue, Winslow (Village of Winslow), Dodge County, Nebraska (the subject property) (Appendix A, Figure 1). The subject property includes one 2-story commercial warehouse structure, encompassing approximately 5,880 square feet, on approximately 0.12 acre of land. Currently, the subject property structure is unoccupied.

The Village of Winslow municipal government requested assistance under the TBA program from EPA Region 7 to assess current environmental conditions at the subject property. This Phase I ESA accorded with the *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*, ASTM International (ASTM) designation E1527-21 (ASTM 2021), and otherwise complied with EPA's "All Appropriate Inquiries" Rule (Title 40 *Code of Federal Regulations* [40 CFR] Part 312). For this TBA, the *users* are defined as EPA and the Village of Winslow (ASTM 2021 [Section 3.2.94]). EPA tasked the Toeroek Team to conduct a Phase I ESA of the subject property to identify: (1) recognized environmental conditions (RECs), historical RECs (HRECs), and controlled RECs (CRECs) for the subject property; and (2) the nature of contamination and risks posed by the contamination if present.

1.1 PURPOSE

The primary goal of this Phase I ESA was to identify RECs, HRECs, and CRECs for the subject property. A REC the 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 2021 [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 either 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 2021 [Section 3.2.39). A CREC is a REC resulting from a past release of hazardous substances or 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 2021 [Section 3.2.17]). This Phase I ESA also identifies business environmental risks (BER). A BER is a non-scope consideration under ASTM E1527-21 (that is, it is described and defined by ASTM but not covered under this practice). A BER is defined as an environmental business risk to our clients, even though the ASTM definition of a REC, CREC, or HREC is not met.

This Phase I ESA 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 E1527-21, was to identify RECs, HRECs, and CRECs for the subject property. Typically, Phase I ESAs involve four phases: (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.

Any items listed in the ASTM standard that the report does not explicitly 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 to be 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 E1527-21 or the SOW are provided below. For each deviation noted, the Toeroek Team Environmental Professional (EP) has conducted an analysis of the data gaps or failures and impacts of these on the Toeroek Team'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 were conducted. ASTM Practice E1527-21 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 apparent. The EP believes that information obtained from other adjacent property owners or occupants would not likely provide information in addition to that obtained from other resources.
- Time gaps of more than five years were noted in available historical information. Based on consistent documentation of use of the subject property in all reviewed historical information, the presence of time gaps does not impact the Toeroek Team's ability to render an opinion regarding RECs, HRECs, or CRECs.
- Access to the second floor of the subject property structure was limited due to extensive structural damage. The west half (rear) of the subject property structure had collapsed, rendering the second floor unsafe to access. The non-collapsed portion of the second floor was safely visible from a stairway located in the southeast corner of the subject property structure. The inability to access the second floor does not impact the Toeroek Team's ability to render an opinion regarding RECs, HRECs, or CRECs.

1.5 LIMITATIONS AND EXCEPTIONS

This report was based partially on information the Toeroek Team received from outside sources and other information available in the public domain. Conclusions and opinions reported herein are based on the information the Toeroek Team obtained in compiling the report. This information is on file at the Toeroek Team's office in Kansas City, Missouri. The Toeroek Team makes no warranty as to accuracy of statements by others that the report may convey; nor are any other warranties or guarantees, expressed or implied, included or intended by the report except that preparation of it accorded with 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. The Toeroek Team does not assume responsibility for 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 fulfillment of the client's obligations under local, state, or federal laws, or any modifications 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 this Phase I ESA.

1.7 STATEMENT OF USER RELIANCE

The Toeroek Team is not required to verify independently the information provided to it by the user or gathered throughout the course of this Phase I ESA. For this Phase I ESA, EPA Region 7 and the Village of Winslow may rely on information provided unless knowledge is possessed that certain information is incorrect based on additional information obtained during this Phase I ESA 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 Village of Winslow, and a records review conducted 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 Phase I ESA, the subject property encompasses approximately 0.12 acre of land over one parcel and hosts one structure. The subject property is located at 201 Elkhorn Avenue in Winslow, Nebraska (Appendix A, Figure 2). Murray Property Management, LLC owns the subject property.

The subject property is included on the Hooper, Nebraska, U.S. Geological Survey (USGS) 7.5-minute topographic series maps (USGS 1966a). The area surrounding the subject property is depicted on the Nickerson, Nebraska; Nickerson NW, Nebraska; and Uehling, Nebraska, USGS 7.5-minute topographic series maps (USGS 1966b, c, d) (Appendix A, Figure 1). Coordinates at the approximate center of the subject property are 41.6101880 degrees north latitude and 96.5060790 degrees west longitude.

2.2 SITE AND VICINITY GENERAL CHARACTERISTICS

The approximately 0.12-acre subject property is located within the city limits of the Village of Winslow, Nebraska. The subject property includes one commercial warehouse. The subject property is bounded to the north by Nebraska Street, with residential properties and agricultural land beyond; to the east by Elkhorn Avenue, with residential properties, the Chicago Burlington and Quincy Railroad trackage, and residential and agricultural land beyond; to the south by residential properties, with agricultural land beyond; and to the west by an alley and residential properties, with agricultural land beyond.

2.3 CURRENT AND PAST USES OF THE SITE

The subject property structure is currently a vacant warehouse. Based on a review of historical documentation, the subject property structure was constructed in 1902. Historical uses of the subject property are further discussed in Section 6.2.

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

The subject property is occupied by one 2-story commercial warehouse structure encompassing approximately 5,880 square feet. According to the Dodge County tax assessor, the subject property structure was constructed in 1902 (Dodge County Assessor [Dodge County] 2022). The subject property structure is accessible from the north via Nebraska Street and from the east via Elkhorn Avenue.

2.5 CURRENT AND PAST USES OF ADJOINING/SURROUNDING PROPERTIES

Current and past uses of the surrounding area include residential and agricultural land. Historical uses of surrounding properties are further discussed in Section 6.2.

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 included on the Hooper, Nebraska, USGS 7.5-minute topographic series maps (USGS 1966a). The subject property is approximately 1,210 feet above mean sea level (Appendix A, Figure 1). The topographic gradient of the area slopes to the north toward the Elkhorn River (Environmental Data Resources, Inc. [EDR] 2022e).

2.6.2 Geologic Setting

Dominant soils in the area are Gibbon loam and Janude loam. The Gibbon series consists of deep and moderately deep, moderately well-drained, and well-drained soils with moderately coarse textures. Slopes range from 0 to 2 percent. These soils are on flood plains. The Janude series consists of moderately well-drained soils with slow infiltration rates and moderately fine or fine textures. Slopes range from 0 to 2 percent. These soils are generally found in flood plains (U.S. Department of Agriculture [USDA] 2019).

2.6.3 Hydrogeology

The subject property is located in Dodge County, Nebraska, which is within the Great Plains Physiographic Province. The Great Plains aquifer system underlies the subject property. The water-yielding rocks of the aquifer system are sandstone, and the confining units consist of siltstone and shale (USGS 1997).

The hydrologic gradient at the subject property is not known but is inferred to be parallel to the topographic gradient, which primarily slopes to the north toward the Elkhorn River. In the absence of site-specific data or other indicators, direction of groundwater flow direction has been inferred from the regional topography to be northeast toward the Elkhorn River. Actual groundwater flow direction can be determined only by acquisition of site-specific groundwater elevation data.

2.6.4 Hydrology

The subject property is located in Zone AE within the Federal Emergency Management Agency (FEMA) Flood Map Service Center Flood Plain according to Map No. 31053C0260G, Panel 260 of 450 (FEMA 2020). The subject property is depicted within the 100-year flood plain. Surface water likely penetrates the ground or flows to the northeast toward the Elkhorn River.

3.0 USER-PROVIDED INFORMATION

The following sections summarize information provided by EPA Region 7 and the Village of Winslow (users) regarding this Phase I ESA.

3.1 EXISTING STRUCTURE INFORMATION AND DRAWINGS

The Toeroek Team received no drawings of or information regarding existing structures.

3.2 SUMMARY OF TITLE INFORMATION

The Toeroek Team requested a chain-of-title search pertaining to the subject property from Nebraska Title Company. A summary of the chain-of-title is detailed in Section 6.2.1. Murray Property Management, LLC currently owns the subject property.

3.3 ENVIRONMENTAL LIENS OR ACTIVITY AND USE LIMITATIONS

The Toeroek Team requested an environmental lien search pertaining to the subject property from EDR; EDR's search (Appendix B) identified no environmental liens or activity and use limitations (AUL) regarding the subject property (EDR 2022a).

3.4 SPECIALIZED KNOWLEDGE

The Toeroek Team did not receive any specialized knowledge pertaining to this Phase I ESA.

3.5 OWNER, SITE MANAGER, AND OCCUPANT INFORMATION

Murray Property Management, LLC owns the subject property. The subject property structure was vacant at the time of the site reconnaissance. Mr. Shawn Kotik, Village Board President, is the owner representative and key site manager for the subject property.

3.6 REASON FOR PERFORMING PHASE I ESA

EPA requested this Phase I ESA on behalf of the Village of Winslow. This Phase I ESA 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

Toeroek Team member, Ms. Macy La Masney, conducted the site reconnaissance on July 18, 2022. 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 E1527-21. Ms. La Masney conducted the site 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 (PCBs);
- 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; and
- Chemical smells, petroleum gases, foul odors, wells, and/or other site-specific environmental conditions.

Ms. La Masney mobilized to the subject property to observe current conditions and obtain additional information relevant to this Phase I ESA. The exteriors of adjacent and select nearby properties were observed to assess the presence of environmental concerns. Access to the subject property structure was limited due to extensive structural damage, including the collapse of the roof on the western portion (rear) of the subject property structure. As such, portions of the first and second floors were deemed unsafe and structurally unstable. The non-collapsed portion of the second floor was safely visible from a stairway, located in the southeast corner of the subject property structure.

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. The Toeroek Team offers general recommendations regarding the subject property 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 is located within the city limits of the Village of Winslow, Nebraska. The subject property includes one unoccupied commercial warehouse and encompasses approximately 0.12 acre of land.

4.2.2 Exterior Observations

The subject property is occupied by one 2-story commercial warehouse structure encompassing approximately 5,880 square feet and constructed in 1902 (Dodge County 2022). The exterior of the subject property structure is comprised of brick and cinder blocks; the roof is asphalt shingle. Figure 2 in Appendix B illustrates the subject property location and boundaries.

4.2.3 Interior Observations

Interiors of the subject property structure are finished with drywall or concrete block walls and metal panel ceilings. Floors throughout the subject property structure were covered with debris and, as a result, were not observed.

4.3 SPECIFIC RECONNAISSANCE ITEMS

The following sections pertain to items observed during the site reconnaissance.

4.3.1 Hazardous Substances and Petroleum Products

One empty gasoline can, and one empty 55-gallon grease drum were observed within the subject property structure, as well as a car and boat that may have contained gasoline, motor oil, and other fluids and lead-acid batteries. An air compressor that may have contained oil was observed in the subject property structure. A rusted 55-gallon drum and a 5-gallon container of paint were observed in the area to the west

of the subject property structure; this area was inaccessible due to overgrown vegetation. The presence of these containers outside the subject property structure poses a REC for the subject property.

No other hazardous substances or petroleum products were observed during the site reconnaissance; however, the area to the west of the subject property structure contained overgrown vegetation and was unable to be completely observed.

4.3.2 Hazardous Waste

No hazardous waste was observed during the site reconnaissance.

4.3.3 Landfills, Dumps, Burials, or Solid Waste Disposal

Various non-hazardous solid waste (for example, plastic bottles and general trash) was observed inside and surrounding the exterior areas of the subject property structure. Presence of non-hazardous solid waste does not pose a REC for the subject property.

A dumped refrigerator and camper shell filled with building material waste were observed on the subject property. In addition, a pile of building material waste was observed outside and adjacent to a rusted 55-gallon drum in the area to the west of the subject property structure. The presence of dumped white goods that may contain refrigerant and the possible presence of ACBM in the building materials waste is a BER for the subject property. The possible presence of LBP in dumped building materials waste on soil is a REC for the subject property.

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

4.3.4 Storage Tanks

No evidence of storage tanks was observed on the subject property during the site reconnaissance.

4.3.5 Polychlorinated Biphenyls-containing Equipment

No PCB-containing equipment was observed on the subject property during the site reconnaissance.

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

A ceiling-mounted space heater was present in the subject property structure. No air conditioning units were observed on 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 staining or corrosion was observed during the site reconnaissance; however, the floor of the subject property structure was covered with debris and dirt and outside areas contained overgrown vegetation. As such, the floor of the subject property structure and outdoor grassy areas were unable to be thoroughly inspected.

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

Minor areas of dead, distressed, discolored, or stained vegetation were observed on the subject property during the site reconnaissance—likely caused by lack of landscaping maintenance at the vacant subject property structure. The presence of unkempt landscaping does not pose a REC for the subject property.

4.3.11 Possible Fill, Grading, or Solid Waste Disposal

Various household appliances and piles of solid waste and rubbish were observed throughout the subject property. Other than the white goods and building material waste described in Section 4.3.3, this solid waste is considered *de minimis* and does not pose a REC for the subject property.

The subject property was likely graded for construction of the current structure; however, no signs of contaminated fill were observed. No other possible fill, grading, or solid waste 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 the soil or follows local surface topography.

4.3.14 Wells and Potable Water Supply

No wells were observed on the subject property during the site reconnaissance. Logan East Rural Water Systems supplies potable water to the Village of Winslow.

4.3.15 Lead-based Paint

ASTM Practice E1527-21 does not require a survey or testing for presence of LBP. According to the Dodge County Assessor, the subject property structure was constructed in 1902 (Dodge County 2022). Based on the age of the subject property structure, LBP was likely used in its construction. The possible presence of LBP in building materials poses a BER for the subject property.

4.3.16 Asbestos-containing Building Materials

ASTM Practice E1527-21 does not require testing for presence of ACBM. According to the Dodge County Assessor, the subject property structure was constructed in 1902 (Dodge County 2022). Based on the age of the subject property structure, ACBM may have been used in its construction. The possible presence of ACBM in the subject property structure poses a BER for the subject property.

4.3.17 Other Site-specific Environmental Conditions

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

4.4 VICINITY RECONNAISSANCE

The site reconnaissance included a survey of adjoining properties and land uses that could exert adverse environmental impacts on the subject property. The subject property is bounded to the north by Nebraska Street, with residential properties and agricultural land beyond; to the east by Elkhorn Avenue, with residential properties, the Chicago Burlington and Quincy Railroad tracks, residential properties and agricultural land beyond; to the south by residential properties, with agricultural land beyond; and to the west by an alley and residential properties, with agricultural land beyond.

5.0 INTERVIEWS

The objective of interviews is acquisition of information concerning RECs for the subject property. The Toeroek Team obtained this information 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

Murray Property Management, LLC owns the subject property. Mr. Robert Murray, the subject property owner, completed the user questionnaire (Appendix D). Mr. Murray noted that the subject property is located within a floodplain. Mr. Murray was not aware of: (1) any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the subject property; (2) any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the subject property; or (3) any notices from any government entity regarding any possible environmental violations relating to hazardous substances or petroleum products on the subject property.

5.2 INTERVIEWS WITH KEY SITE MANAGER

Mr. Shawn Kotik, Village Board President, is considered the key site manager and the owner representative. Mr. Kotik provided access during the site reconnaissance, and information discussed in Section 4.0.

5.3 INTERVIEWS WITH CURRENT OCCUPANTS

Currently, the subject property structure is vacant; therefore, no interviews with current occupants occurred.

5.4 INTERVIEWS WITH PAST SITE OWNERS/OCCUPANTS

No interviews with past subject property owners or occupants occurred, as they likely would not have provided information to the Toeroek Team not already furnished by other sources.

5.5 INTERVIEWS WITH LOCAL/STATE GOVERNMENT OFFICIALS

The Toeroek Team submitted a records request to the Nebraska Department of Environment and Energy (NDEE) (Appendix D). A response was received and indicated no records pertaining to the subject property were retained in NDEE Records Section’s files (Appendix D).

The Toeroek Team searched the NDEE Interactive Map Server for the subject property and surrounding properties. Five facilities within a 1-mile radius of the subject property were identified (NDEE 2022). The Farmers Coop Mercantile located at the intersection of Main Street and Dodge Avenue (north side) and the Jan's Highway 77 Service Station located at the intersection of U.S. Highway 77 and West Willow Street/Road J were identified. These two facilities are discussed with their environmental database listings in Section 6.1.1. The remaining three facilities found through the NDEE Interactive Map Server are discussed below.

- The Winslow Community Burn site (Winslow City Park) located at the intersection of U.S. Highway 77 and South Avenue, is located approximately 0.24 mile to the southeast of the subject property. A Letter of Noncompliance pertaining to this site was issued on March 10, 2022, for lack of an active burn permit and disposal of solid waste at a location other than a solid waste management facility. Based on the location crossgradient of the subject property, this facility does not pose a REC for the subject property.

- The Winslow Water Treatment Facility accessible from South Street and located approximately 0.3 mile to the southwest of the subject property, received a Notification of Environmental Concern due to a possibly collapsed collection line. Findings of an inspection on May 6, 2022, prompted NDEE to recommend a professional service to clean and inspect manholes blocked with debris. Based on the location crossgradient of the subject property, this listing does not pose a REC for the subject property.

- The MCI Verizon facility located on 22 Boulevard, approximately 0.97 mile to the southeast of the subject property, is a Tier II facility and submits Emergency and Hazardous Chemical Inventory reports. The facility stores from 5,000 to 9,999 pounds of lead-acid batteries daily. Based on the distance and location crossgradient of the subject property, this facility does not pose a REC for the subject property.

6.0 RECORDS REVIEW

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

6.1 ENVIRONMENTAL RECORDS SOURCES

The following sections outline sources of environmental records that 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 regarding the subject property in accordance with the ASTM E1527-21.

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 out-of-date reported information that no longer reflects actual facility conditions. The Government Records Searched/Data Currency Tracking section of the EDR report in Appendix E specifies when each database was updated (EDR 2022b).

The subject property was not identified in the EDR database search.

EDR identified three database listings of facilities within ASTM-standard search distances from the subject property:

- The Champlin Petroleum Co. site located approximately 0.184 mile to the east-northeast of the subject property, at the intersection of U.S. Highway 77 and West Willow Street/Road J, is listed in the UST and Historic UST (Hist UST) databases. Three USTs were installed at this site—one 275-gallon used oil UST, one 3,000-gallon UST, and one 1,000-gallon empty UST listed as permanently out of use. The dates of installation were not reported. Based on the lack of closure information and proximity to the subject property, this listing poses a REC for the subject property.

- The Winslow Groundwater site located approximately 0.192 mile to the southeast of the subject property at the intersection of Logan Street and Railroad Street, is listed in the Superfund Enterprise Management System Archive (SEMS Archive) database. A Preliminary Assessment (PA) was conducted in 2011 to determine if groundwater was impacted by carbon tetrachloride resulting from a grain storage facility (Tetra Tech, Inc. 2011). Drinking water wells in the Village of Winslow were sampled, and no carbon tetrachloride or other volatile organic compounds

(VOCs) were detected. This site is not on the National Priorities List (NPL) and no further remedial action is planned. However, no soil-gas samples were collected, and no groundwater was sampled between the grain storage facility and the subject property. Based on the proximity to the subject property, this listing poses a REC for the subject property.

EDR identified one "orphan" facility (facility which, because of poor or inadequate address information, could not be mapped by EDR).

- The Farmers Coop Mercantile/Agland Coop site located approximately 316 feet to the east-southeast of the subject property, at the intersection of Main Street and Dodge Avenue (north side), is listed in the Leaking Underground Storage Tank (LUST) database with status of No Further Action (NFA) incident closed (EDR 2022b). Based on a site assessment report available on the NDEE Interactive Map Server, the facility identified a release of petroleum to soil and groundwater in 1998 (RDG Geoscience and Engineering, Inc. [RDG] 2001). Based on the site assessment, RDG concluded that contamination was confined to the footprint of the facility. Due to the regulatory status, age of the release, and lack of off-site migration of contamination, this listing does not pose a REC for the subject property.

6.1.2 Vapor Encroachment Screening

The Toeroek Team completed an initial vapor encroachment screening 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 VOCs, sSVOCs, and/or inorganic volatile compounds. The Tier 1 non-invasive vapor encroachment screening used to assess the presence of chemicals of concern within approximate recommended minimum search distances, as specified in ASTM E2600-15 *Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions* (ASTM 2015).

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
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	0.33	0.10

Area of Concern Approximate Minimum Search Distances Surrounding the Subject Property (miles)		
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	RCRA	Resource Conservation and Recovery Act
CORRACTS	RCRA Corrective Action Activity	TSD	RCRA Treatment, Storage, and Disposal
ERNS	Emergency Response Notification System	UST	Underground Storage Tank
LUST	Leaking Underground Storage Tank		
NPL	National Priorities List		

Based on results of the initial vapor encroachment screening, no listings with chemicals of concern were identified in the EDR VEC report within the minimum search distances (EDR 2022c). The Farmers Coop Mercantile/Agland Coop orphan site located approximately 316 feet to the east-southeast of the subject property at the intersection of Main Street and Dodge Avenue (North side) is listed in the LUST database with the status of NFA incident closed (EDR 2022c). Due to the regulatory status, age of the release, and lack of off-site migration of contamination, this listing does not pose a VEC for the subject property.

6.1.3 Valuation Reduction for Environmental Issues

The Toeroek Team received no information on valuation reduction. The Toeroek Team requested an environmental lien and AUL search pertaining to the subject property from EDR. No liens or AULs were identified in the EDR report (EDR 2022a) (Appendix C).

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 engineering or institutional controls were found pertaining to the subject property.

6.1.5 Title Records

The Toeroek Team requested a chain-of-title search pertaining to the subject property from Nebraska Title Company. A summary of the chain-of-title is in Section 6.2.1. Murray Property Management, LLC currently owns the subject property.

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

The Toeroek Team requested a chain-of-title search pertaining to the subject property from Nebraska Title Company. Table 6-1 lists results of the chain-of-title search for the subject property (Nebraska Title Company 2022) (Appendix F-1).

TABLE 6-1

CHAIN-OF-TITLE SUMMARY

Date Executed	Transaction Description	Document Type	Book	Page
201 Elkhorn Avenue				
3/19/1906	Plat of Winslow recorded	Plat	G	195
10/1/1907	Sioux City Ashland Development Company to Bernard Monnich	Warranty Deed	33	344
6/21/1911	Bernard Monnich and Barbara Monnich, husband and wife, to John Pfeffer	Warranty Deed	39	76
6/21/1911	John A. Pfeffer, unmarried, to J. Howard Heine	Warranty Deed	37	527
6/21/1911	J. Howard Heine and Julia Heine, husband and wife, to William J. Brandert	Warranty Deed	39	77
10/26/1911	Bernard Monnich and Barbara Monnich, husband and wife, to William Brandert	Warranty Deed	39	236
11/20/1914	William Brandert and Annie Brandert, his wife, to Andrew D. O'Brien	Warranty Deed	42	466
3/17/1915	Andrew D. O'Brien and May O'Brien, his wife, to Otto E. Rohrke	Warranty Deed	43	125
6/25/1915	Otto E. Rohrke and Wilhelmena Rohrke, his wife, to I. Nightengale	Warranty Deed	44	77
7/15/1915	I. Nightingale and Lillie Nightingale, his wife, to Henry Schmidt	Warranty Deed	44	94
8/10/1940	Henry Schmidt and Anna Schmidt, husband and wife, to Mrs. Anna Schmidt	Warranty Deed	77	223
10/14/1952	Meta Schurman and Fred Schurman, wife and husband, to Henry Schmidt	Warranty Deed	99	584
10/14/1952	Otto H. Schmidt and Ruth Schmidt, husband and wife, to Henry Schmidt	Warranty Deed	99	585
10/14/1952	Mary Schmidt Hineline, a widow, to Henry Schmidt	Warranty Deed	99	586

Date Executed	Transaction Description	Document Type	Book	Page
2/16/1953	Final Decree for the Estate of Anna Martha Maria Schmidt, deceased	Final Decree	100	369
6/25/1957	Henry Schmidt, widower, to Meta Schurman and Fred Schurman, wife and husband	Warranty Deed	113	137
3/21/1966	Meta Schurman and Fred Schurman, wife and husband, to N. Frank Acker and Erma H. Acker	Warranty Deed	145	433
12/11/1967	N. Frank Acker & Erma H. Acker to Leonard Klattenhoff	Warranty Deed	151	399
5/15/1975	Leonard Klattenhoff and Hattie Klattenhoff, husband and wife, to Leonard Klattenhoff and Hattie Klattenhoff	Survivorship Warranty Deed	170	604
3/22/1977	Leonard Klattenhoff and Hattie Klattenhoff, husband and wife, to Rex Watts and Elizabeth Watts, husband and wife	Joint Tenancy Warranty Deed	175	133
4/30/1985	Rex Watts and/or Elizabeth Watts to Elizabeth Watts	Quit Claim Deed	189	741
11/10/1992	Elizabeth A. Watts, single, to Eddie J. Newill	Warranty Deed	223	520
9/29/1995	Eddie J. Newill, a single person, to Alexander T. Harvey	Warranty Deed	243	817
8/17/1998	Alexander T. Harvey and Deborah K. Harvey to Harvey Phelps, LLC	Quitclaim Deed	1998	5226
10/13/2016	Harvey Phelps, LLC, a Nebraska Limited Liability Company, to Murray Property Management, LLC, a Nebraska Limited Liability Company	Warranty Deed	Inst. No. 201604900	

Based on the review of the chain-of-title summary, the subject property parent parcel was owned by several private individuals from 1907 to 2016, when Murray Property Management, LLC purchased the subject property parent parcel. No RECs were identified in the chain-of-title search.

6.2.2 Property Tax Files

EDR did not have access to property tax records pertaining to the subject property or surrounding properties (EDR 2022d) (Appendix F-2). According to the Dodge County Assessor, Murray Property Management, LLC currently owns the subject property located at 201 Elkhorn Avenue (Dodge County 2022).

6.2.3 Building Department Records

Building department records at local governments can indicate permission to construct, alter, or demolish improvements at a subject property. EDR did not have access to building department records pertaining to the subject property or surrounding properties (EDR 2022e) (Appendix F-3).

6.2.4 Aerial Photographs

The Toeroek Team reviewed aerial photographs of the subject property and surrounding area from years 1952, 1965, 1981, 1994, 1999, 2006, 2009, 2012, and 2016 (EDR 2022f) (Appendix F-4). Table 6-2 summarizes information obtained from the aerial photographs.

TABLE 6-2

SUMMARY OF AERIAL PHOTOGRAPHS

Year	Comments
1952	**Subject Property:** The subject property appears to be developed with one structure. **Surrounding Properties:** Areas surrounding the subject property are primarily agricultural, with the Village of Winslow to the east and south. A road in approximate alignment with the current Elkhorn Avenue is located to the east of the subject property. U.S. Highway 77 is located to the east, and West Willow Street/Road J is located to the north. The Elkhorn River is located to the northeast. The Chicago Burlington and Quincy Railroad is located to the east, and the Chicago and Northwestern Railroad is located to the south. The Winslow water tower is located to the southwest of the subject property.
1965	**Subject Property:** The subject property appears similar to its depiction on the 1952 photograph. **Surrounding Properties:** The area surrounding the subject property appears similar to the 1952 photograph, except with additional residential development within the Village of Winslow and grain silos near the Chicago Burlington and Quincy Railroad located to the southeast of the subject property.
1981	**Subject Property:** The subject property appears similar to its depiction on the 1965 photograph. **Surrounding Properties:** The area surrounding the subject property appears similar to the 1965 photograph, except with additional residential development within the Village of Winslow.
1994	**Subject Property:** The subject property appears similar to its depiction on the 1981 photograph. **Surrounding Properties:** The area surrounding the subject property appears similar to the 1981 photograph.
1999	**Subject Property:** The subject property appears similar to its depiction on the 1994 photograph. **Surrounding Properties:** The areas **s**urrounding the subject property appear similar to the 1994 photograph.
2006	**Subject Property:** The subject property appears similar to the 1999 photograph. **Surrounding Properties:** Surrounding properties appear similar to the 1999 photograph.
2009	**Subject Property:** The subject property appears similar to the 2006 photograph. **Surrounding Properties:** Surrounding properties appear similar to the 2006 photograph.
2012	**Subject Property:** The subject property appears similar to the 2009 photograph. **Surrounding Properties:** Surrounding properties appear similar to the 2009 photograph.
2016	**Subject Property:** The subject property appears similar to the 2012 photograph. **Surrounding Properties:** Surrounding properties appear similar to the 2012 photograph.

Aerial photographs can be used in conjunction with other historical records presented in this section to determine previous land use on the subject property. According to available historical aerial photographs, the subject property appears to have been developed with its current structure as early as 1952. Review of aerial photographs did not identify any RECs.

6.2.5 Sanborn Map Report

Sanborn fire insurance maps depicting the subject property and surrounding areas were not available (EDR 2022g) (Appendix F-5).

6.2.6 Historical Topographic Maps

Topographic maps can be used as indicators of land use and structural changes on the subject property and can help determine historical land use that might pose an environmental issue for the subject property. The Toeroek Team reviewed historical USGS topographic maps of the subject property and surrounding area from years 1966, 2014, and 2017 (EDR 2022h) (Appendix F-6). Table 6-3 summarizes information obtained from the historical topographic maps of the subject property and surrounding area.

TABLE 6-3

SUMMARY OF HISTORICAL TOPOGRAPHIC MAPS

Year	Description
1966 Uehling, Hooper, Nickerson, Nickerson NW 1:24,000	**Subject Property:** The subject property appears to be developed with one structure within the Village of Winslow. **Surrounding Properties:** Areas surrounding the subject property appear to be developed with residential and commercial structures, with agricultural land beyond in all directions. The Elkhorn River is located to the north of the subject property, with the Logan Creek Dredge beyond to the northeast. The Burlington and Quincy Railroad is located to the east of the subject property and runs northwest and southeast, and the Chicago and Northwestern Railroad is located to the southwest of the subject property and runs west and east. U.S. Highway 77 is located to the east of the subject property and runs north and south. Interstate 275 is located to the south of the subject property and runs parallel to the Chicago and Northwestern Railroad. A water tank is located to the west of the subject property
2014 Hooper, Nickerson, Uehling, Nickerson NW 1:24,000	**Subject Property:** Buildings are not depicted on this map, except for public and government buildings such as schools, churches and fire stations. **Surrounding Properties:** Areas surrounding the subject property appear similar to the 1966 map, except buildings are no longer depicted on the map, except for public and government buildings such as schools, churches and fire stations. A fire station is located to the south of the subject property, and a post office is located to the southeast of the subject property. Interstate 275 is located farther to the south and no longer runs parallel to the Chicago and Northwestern Railroad.

Year	Description
2017 Hooper, Nickerson, Uehling, Nickerson NW 1:24,000	**Subject Property:** The subject property appears similar to the 2014 map. **Surrounding Properties:** Areas surrounding the subject property appear similar to the 2014 map.

Topographic maps can be used in conjunction with other historical records presented in this section to determine previous land use on the subject property. Review of topographic maps did not identify any RECs.

6.2.7 City Directories

The Toeroek Team reviewed city directory listings that could include the subject property located at 201 Elkhorn Avenue and nearby properties from the years 2000, 2005, 2010, 2014, and 2017 (EDR 2022i) (Appendix F-7). The subject property is not listed in any available city directories. Nearby properties listed in the city directories were residential and do not pose a REC for the subject property.

6.2.8 Previous Reports

The Toeroek Team did not receive any previous reports regarding the subject property.

7.0 FINDINGS AND OPINIONS

The following significant findings and opinions resulted from this Phase I ESA:

- According to the Dodge County Assessor, the subject property structure was constructed in 1902. Based on the age of the subject property structure, ACBM and LBP may have been used in its construction. Possible presence of ACBM and LBP poses a BER for the subject property.
- The presence of multiple 55-gallon drums of indeterminate contents on the subject property combined with the inability to observe areas around the drums for staining poses a REC for the subject property.
- A dumped refrigerator and a camper shell filled with building material waste were observed in the area to the west of the subject property structure. A pile of building material waste was also observed adjacent to a rusted 55-gallon drum. The presence of dumped white goods that may contain refrigerant and the possible presence of ACBM in the building material waste is a BER for the subject property. The possible presence of LBP in dumped building material waste on soil poses a REC for the subject property.
- The Champlin Petroleum Co. site located approximately 0.184 mile to the east-northeast of the subject property, at the intersection of U.S. Highway 77 and West Willow Street/Road J, is listed in the UST and Hist UST databases. Three USTs were installed at this site—one 275-gallon used oil UST, one 3,000-gallon UST, and one 1,000-gallon empty UST listed as permanently out of use. The dates of installation were not reported. Based on the lack of closure information and proximity to the subject property, this listing poses a REC for the subject property.
- The Winslow Groundwater site located approximately 0.192 mile to the southeast of the subject property, at the intersection of Logan Street and Railroad Street, is listed in the SEMS Archive database. A PA was conducted in 2011 to determine if groundwater was impacted by carbon tetrachloride resulting from a grain storage facility (Tetra Tech, Inc. 2011). Drinking water wells in the Village of Winslow were sampled, and no carbon tetrachloride or other VOCs were detected. This site is listed as not on the NPL, and no further remedial action is planned. However, no soil-gas samples were collected, and no groundwater was sampled between the grain storage facility and the subject property. Based on the proximity to the subject property, this listing poses a REC for the subject property.

8.0 CONCLUSIONS AND RECOMMENDATIONS

In conformance to the scope and limitations of ASTM E1527-21, The Toeroek Team has performed a Phase I ESA of the subject property located at 201 Elkhorn Avenue in Winslow, Dodge 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 revealed evidence of one BER and four RECs for the subject property, as described in Section 7.0.

Based on results of this Phase I ESA, The Toeroek Team recommends the following:

- A hazardous building materials survey of the subject property structure, for ACBM and LBP prior to demolition, to assess the BER for the subject property.
- A Phase II ESA should be performed at the subject property, including soil sampling in the area containing the 55-gallon drums and building material waste for VOCs, SVOCs, TPH, PCBs, and RCRA Metals. In addition, groundwater sampling for TPH, RCRA metals, and VOCs and soil-gas sampling for VOCs is recommended to assess sources off-site for the identified RECs.

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 contact Greg Hanna at 720-898-4102 or Kaitlyn Mitchell at 816-412-1742.

Greg Hana
Toeroek Team Program Manager

Kaitlyn Mitchell
Toeroek Team Project Manager

10.0 REFERENCES

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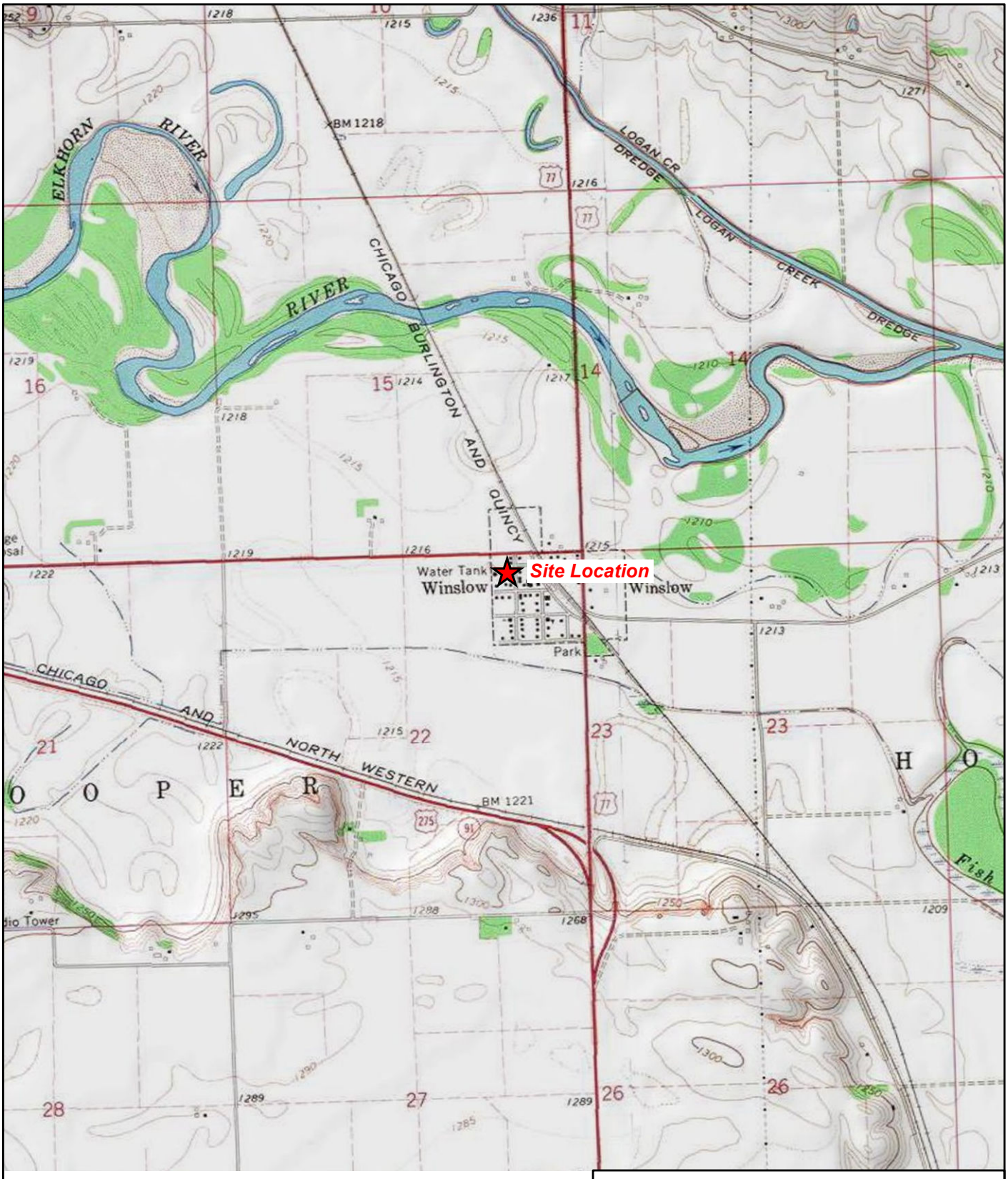
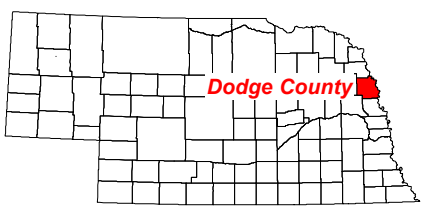
APPENDIX A

FIGURES





N

0 1,000 2,000

Feet

Source: USGS Hooper, NE 7.5 Minute Topo Quad, 1966; USGS Nickerson, NE 7.5 Minute Topo Quad, 1966; USGS Nickerson NW, NE 7.5 Minute Topo Quad, 1966; USGS Uehling, NE 7.5 Minute Topo Quad, 1966

Phase I Environmental Site Assessment
201 Elkhorn Avenue
Winslow, Nebraska

Figure 1
Site Location Map

TETRA TECH

TOEROEK ASSOCIATES, INC.

Date: 8/26/2022 Drawn By: Nick Wiederholt Project No: 103G65210190.13.01

X:\P65210190\13\Projects\mxd\Figure1_201Elkhorn.mxd

Legend

Approximate subject property boundary

N

0 25 50

Feet

Source: Esri, ArcGIS Online, World Imagery (Clarity); Dodge County Nebraska, gWorks, 2022

Phase I Environmental Site Assessment
201 Elkhorn Avenue
Winslow, Nebraska

Figure 2
Site Layout Map

TETRA TECH

TOEROEK ASSOCIATES, INC.

Date: 10/11/2022 Drawn By: Nick Wiederholt Project No: 103G65210190.13.01

X:\P\65210190\013\Projects\mxd\Figure2_201Elkhorn.mxd

APPENDIX B

EDR LIEN AND AUL SEARCH

201 ELKHORN AVE
201 ELKHORN AVE
HOOPER, NE 68072

Inquiry Number: 7041632.7S
JULY 9, 2022

EDR Environmental Lien and AUL Search

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Environmental Lien and AUL Search

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

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

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

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

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EDR Environmental Lien and AUL Search

TARGET PROPERTY INFORMATION

ADDRESS

201 ELKHORN AVE
201 ELKHORN AVE
HOOPER, NE 68072

RESEARCH SOURCE

Source 1: DODGE COUNTY RECORDER'S OFFICE

Source 2: NEBRASKA DEPARTMENT OF ENVIRONMENTAL QUALITY

Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

PROPERTY INFORMATION

Legal Description:	LOT 1 & N20' LOT 2 BLK 5
Current Owner:	MURRAY PROPERTY MANAGEMENT LLC
Property Identifiers:	270074963
	2103-22-1-06000-005-0003
Comments:	NA

Deed 1

Type of Deed:	WARRANTY DEED
Title is vested in:	MURRAY PROPERTY MANAGEMENT LLC
Title received from:	HARVEY PHELPS, LLC
Date Executed:	10/13/2016
Date Recorded:	10/13/2016
Book:	NA
Page:	NA
Volume:	NA
Instrument#:	201604900
Docket:	NA
Land Record Comments:	NA
Miscellaneous Comments:	NA

EDR Environmental Lien and AUL Search

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

Comments: NONE IDENTIFIED.

OTHER ACTIVITY AND USE LIMITATIONS (AULS)

Other AUL's: Found ☐ Not Found ☒

Comments: NONE IDENTIFIED.

EDR Environmental Lien and AUL Search

MISCELLANEOUS

Comments: NONE IDENTIFIED.

NEBRASKA DOCUMENTARY STAMP TAX
Oct 13, 2016
By: CG **$11.25**

DOCUMENT#: **201604900**
Recorded 10-13-2016 at 01:07 PM
Carol Givens, Register of Deeds
DODGE COUNTY NE
Pages: 1 Fee: $10.00

The above recording information verifies this document has been electronically recorded and returned to the submitter

Return to:
Donald D. Schneider, Attorney
513 North D St.
Fremont, NE 68025
(402) 721-0167

WARRANTY DEED

THAT I or We, Harvey Phelps, LLC, a Nebraska Limited Liability Company, herein called the GRANTOR whether one or more, in consideration of VALUABLE CONSIDERATION received from Grantee, do hereby grant, bargain, sell, convey and confirm unto Murray Property Management, LLC, a Nebraska Limited Liability Company, herein called the GRANTEE whether one or more, the following described real property in Dodge County, Nebraska:

Lot 1 and the North 20 feet of Lot 2, Block 5, Village of Winslow, Dodge County, Nebraska.

To have and to hold the above described premises together with all tenements, hereditaments and appurtenances thereto belonging unto the Grantee and to Grantee's heirs and assigns forever. And the Grantor does hereby covenant with the Grantee and with Grantee's heirs and assigns that Grantor is lawfully seized of said premises; that they are free from encumbrance except as recorded of public record; that Grantor has good right and lawful authority to convey the same; and that Grantor warrants and will defend the title to said premises against the lawful claims of all persons whomsoever.

Dated: October 13, 2016

Harvey Phelps, LLC,
a Nebraska Limited Liability Company
Grantor

By: _____
Alexander Thom Harvey - Member

STATE OF NEBRASKA)
) ss.
COUNTY OF DODGE)

The foregoing instrument was acknowledged before me on October 13, 2016, by Alexander Thom Harvey, Member, Harvey Phelps, LLC, a Nebraska Limited Liability Company, known to me personally or who has produced satisfactory evidence of identification to me.

GENERAL NOTARY - State of Nebraska
DONALD D. SCHNEIDER
My Comm. Exp. July 1, 2018

_____
Notary Public

APPENDIX C

PHOTOLOG

PHASE I ENVIRONMENTAL SITE ASSESSMENT
SITE 13 – VILLAGE OF WINSLOW
201 ELKHORN AVENUE, WINSLOW, NEBRASKA

SUBTASK NO. 13.01	DESCRIPTION	This photograph shows the east side of the subject property structure.	1
	CLIENT	U.S. Environmental Protection Agency (EPA)	Date
Direction: West	PHOTOGRAPHER	Macy La Masney	7/18/2022

SUBTASK NO. 13.01	DESCRIPTION	This photograph shows the area to the east of the subject property.	2
	CLIENT	EPA	Date
Direction: East	PHOTOGRAPHER	Macy La Masney	7/18/2022

PHASE I ENVIRONMENTAL SITE ASSESSMENT
SITE 13 – VILLAGE OF WINSLOW
201 ELKHORN AVENUE, WINSLOW, NEBRASKA

SUBTASK NO. 13.01	DESCRIPTION	This photograph shows the north side of the subject property structure.	3
	CLIENT	EPA	Date
Direction: South	PHOTOGRAPHER	Macy La Masney	7/18/2022

SUBTASK NO. 13.01	DESCRIPTION	This photograph shows the area to the north of the subject property.	4
	CLIENT	EPA	Date
Direction: North	PHOTOGRAPHER	Macy La Masney	7/18/2022

PHASE I ENVIRONMENTAL SITE ASSESSMENT
SITE 13 – VILLAGE OF WINSLOW
201 ELKHORN AVENUE, WINSLOW, NEBRASKA

SUBTASK NO. 13.01	DESCRIPTION	This photograph shows the west side of the subject property structure.	5
	CLIENT	EPA	Date
Direction: East	PHOTOGRAPHER	Macy La Masney	7/18/2022

SUBTASK NO. 13.01	DESCRIPTION	This photograph shows the area to the west of the subject property, including the Winslow water tower.	6
	CLIENT	EPA	Date
Direction: West	PHOTOGRAPHER	Macy La Masney	7/18/2022

PHASE I ENVIRONMENTAL SITE ASSESSMENT
SITE 13 – VILLAGE OF WINSLOW
201 ELKHORN AVENUE, WINSLOW, NEBRASKA

SUBTASK NO. 13.01	DESCRIPTION	This photograph shows the dumpster at the southwest corner of the subject property, owned by Waste Connections of Nebraska, Inc.	7
	CLIENT	EPA	Date
Direction: Northeast	PHOTOGRAPHER	Macy La Masney	7/18/2022

SUBTASK NO. 13.01	DESCRIPTION	This photograph shows the east room, taken from inside the front door of the subject property structure.	8
	CLIENT	EPA	Date
Direction: West	PHOTOGRAPHER	Macy La Masney	7/18/2022

PHASE I ENVIRONMENTAL SITE ASSESSMENT
SITE 13 – VILLAGE OF WINSLOW
201 ELKHORN AVENUE, WINSLOW, NEBRASKA

SUBTASK NO. 13.01	DESCRIPTION	This photograph shows the stairway in the east room of the subject property structure.	9
	CLIENT	EPA	Date
Direction: South	PHOTOGRAPHER	Macy La Masney	7/18/2022

SUBTASK NO. 13.01	DESCRIPTION	This photograph shows a gas can and other debris in the east room of the subject property structure.	10
	CLIENT	EPA	Date
Direction: NA	PHOTOGRAPHER	Macy La Masney	7/18/2022

PHASE I ENVIRONMENTAL SITE ASSESSMENT
SITE 13 – VILLAGE OF WINSLOW
201 ELKHORN AVENUE, WINSLOW, NEBRASKA

SUBTASK NO. 13.01	DESCRIPTION	This photograph shows the northeastern room in the subject property structure.	11
	CLIENT	EPA	Date
Direction: Northwest	PHOTOGRAPHER	Macy La Masney	7/18/2022

SUBTASK NO. 13.01	DESCRIPTION	This photograph shows the northeastern room in the subject property structure.	12
	CLIENT	EPA	Date
Direction: East	PHOTOGRAPHER	Macy La Masney	7/18/2022

PHASE I ENVIRONMENTAL SITE ASSESSMENT
SITE 13 – VILLAGE OF WINSLOW
201 ELKHORN AVENUE, WINSLOW, NEBRASKA

SUBTASK NO. 13.01	DESCRIPTION	This photograph shows a refrigerator laying near the center of the subject property structure.	13
	CLIENT	EPA	Date
Direction: NA	PHOTOGRAPHER	Macy La Masney	7/18/2022

SUBTASK NO. 13.01	DESCRIPTION	This photograph shows miscellaneous refuse, including a range, a possible space heater, and glassware.	14
	CLIENT	EPA	Date
Direction: NA	PHOTOGRAPHER	Macy La Masney	7/18/2022

PHASE I ENVIRONMENTAL SITE ASSESSMENT
SITE 13 – VILLAGE OF WINSLOW
201 ELKHORN AVENUE, WINSLOW, NEBRASKA

SUBTASK NO. 13.01	DESCRIPTION	This photograph shows a ceiling-mounted space heater in the west room of the subject property structure.	15
	CLIENT	EPA	Date
Direction: NA	PHOTOGRAPHER	Macy La Masney	7/18/2022

SUBTASK NO. 13.01	DESCRIPTION	This photograph shows the west room of the subject property structure and the roof collapse.	16
	CLIENT	EPA	Date
Direction: West	PHOTOGRAPHER	Macy La Masney	7/18/2022

PHASE I ENVIRONMENTAL SITE ASSESSMENT
SITE 13 – VILLAGE OF WINSLOW
201 ELKHORN AVENUE, WINSLOW, NEBRASKA

SUBTASK NO. 13.01	DESCRIPTION	This photograph shows an air compressor in the west room of the subject property structure.	17
	CLIENT	EPA	Date
Direction: NA	PHOTOGRAPHER	Macy La Masney	7/18/2022

SUBTASK NO. 13.01	DESCRIPTION	This photograph shows the bathroom (inaccessible) inside the subject property structure.	18
	CLIENT	EPA	Date
Direction: Southwest	PHOTOGRAPHER	Macy La Masney	7/18/2022

PHASE I ENVIRONMENTAL SITE ASSESSMENT
SITE 13 – VILLAGE OF WINSLOW
201 ELKHORN AVENUE, WINSLOW, NEBRASKA

SUBTASK NO. 13.01	DESCRIPTION	This photograph shows the stairwell to the second floor of the subject property structure.	19
	CLIENT	EPA	Date
Direction: East	PHOTOGRAPHER	Macy La Masney	7/18/2022

SUBTASK NO. 13.01	DESCRIPTION	This photograph shows the second floor of the subject property structure. The floors were deemed structurally unstable and unsafe and; therefore, were not accessed beyond the stairwell.	20
	CLIENT	EPA	Date
Direction: North	PHOTOGRAPHER	Macy La Masney	7/18/2022

PHASE I ENVIRONMENTAL SITE ASSESSMENT
SITE 13 – VILLAGE OF WINSLOW
201 ELKHORN AVENUE, WINSLOW, NEBRASKA

SUBTASK NO. 13.01	DESCRIPTION	This photograph shows structural damage to the roof and exterior walls of the subject property structure from the second floor. The floors were deemed structurally unstable and unsafe and; therefore, were not accessed beyond the stairwell.	21
	CLIENT	EPA	Date
Direction: West	PHOTOGRAPHER	Macy La Masney	7/18/2022

SUBTASK NO. 13.01	DESCRIPTION	This photograph shows an empty 55-gallon grease drum inside the subject property structure.	22
	CLIENT	EPA	Date
Direction: NA	PHOTOGRAPHER	Macy La Masney	7/18/2022

PHASE I ENVIRONMENTAL SITE ASSESSMENT
SITE 13 – VILLAGE OF WINSLOW
201 ELKHORN AVENUE, WINSLOW, NEBRASKA

SUBTASK NO. 13.01	DESCRIPTION	This photograph shows a chainsaw near the front door of the subject property structure.	23
	CLIENT	EPA	Date
Direction: Southwest	PHOTOGRAPHER	Macy La Masney	7/18/2022

SUBTASK NO. 13.01	DESCRIPTION	This photograph shows a camper shell full of refuse and building material waste to the north of the subject property structure.	24
	CLIENT	EPA	Date
Direction: Southeast	PHOTOGRAPHER	Macy La Masney	7/18/2022

PHASE I ENVIRONMENTAL SITE ASSESSMENT
SITE 13 – VILLAGE OF WINSLOW
201 ELKHORN AVENUE, WINSLOW, NEBRASKA

SUBTASK NO. 13.01	DESCRIPTION	This photograph shows a 55-gallon drum near the alley to the west of the subject property structure.	25
	CLIENT	EPA	Date
Direction: Southwest	PHOTOGRAPHER	Macy La Masney	7/18/2022

SUBTASK NO. 13.01	DESCRIPTION	This photograph shows building material waste and an incomplete 55-gallon drum located to the west of the subject property structure.	26
	CLIENT	EPA	Date
Direction: South	PHOTOGRAPHER	Macy La Masney	7/18/2022

PHASE I ENVIRONMENTAL SITE ASSESSMENT
SITE 13 – VILLAGE OF WINSLOW
201 ELKHORN AVENUE, WINSLOW, NEBRASKA

SUBTASK NO. 13.01	DESCRIPTION	This photograph shows a refrigerator, a tire, and other refuse left in the grass to the west of the subject property structure.	27
	CLIENT	EPA	Date
Direction: Northeast	PHOTOGRAPHER	Macy La Masney	7/18/2022

SUBTASK NO. 13.01	DESCRIPTION	This photograph shows a 5-gallon bucket of paint on the west side of the subject property structure	28
	CLIENT	EPA	Date
Direction: Southeast	PHOTOGRAPHER	Macy La Masney	7/18/2022

APPENDIX D

INTERVIEW DOCUMENTATION AND USER-PROVIDED INFORMATION

ASTM1527-13 ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE

SITE NAME: Village of Winslow

SITE ADDRESS: 201 Elkhorn

DATE:

TETRA TECH PROJECT NUMBER:

PREPARED BY: Robert Murray **(Owner)** **(Occupant)** **(Tetra Tech)**

COMPANY: Tetra Tech

GENERAL QUESTIONS REGARDING PROPERTY CONDITION

ASTM RELATED QUESTIONS

	QUESTION	Owner			Occupant			Observed			COMMENTS
		Y	N	U	Y	N	U	Y	N	U	
1a	Is the property used for an industrial use?			X							
1b	Is any adjoining property used for an industrial use?			X							
2a	Did you observe evidence or do you have any prior knowledge that the property has been used for an industrial use in the past?			X							
2b	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?			X							
3a	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.)			X							
3b	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.)			X							

Tetra Tech Inc.
415 Oak Street
Kansas City, Missouri 64106

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.)		X								
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.)		XX								
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?			X							
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?			X							
6a	Are there currently any industrial drums (typically 55 gal (208 L)) or sacks of chemicals located on the property or at the facility?			X							
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?			X							
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?			X							
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?			X							

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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?			X							
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?			X							
9a	Is there currently any stained soil on the property?			X							
9b	Did you observe evidence or do you have any prior knowledge that there has been previously any stained soil on the property?			X							
10a	Are there currently any registered or unregistered storage tanks (above or underground) located on the property?			X							
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?			X							
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?			X							
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?			X							
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?			X							

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ASTM1527-13 ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE

12b	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?			X						

QUESTION		Owner			Occupant			Observed			COMMENTS
		Y	N	U	Y	N	U	Y	N	U	
13a	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?			X							
13b	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?			X							
14	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?			X							
15a	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?			X							
15b	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?			X							
15c	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?			X							
15d	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?			X							

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415 Oak Street
Kansas City, Missouri 64106

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?			X						
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?			X							
18a	Does the property discharge waste water, on or adjacent to the property, other than storm water, into a storm water sewer system?			X							
18b	Does the property discharge waste water, on or adjacent to the property, other than storm water, into a sanitary sewer system?			X							
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?			X							
20	Is there a transformer, capacitor, or any hydraulic equipment for which there are any records indicating the presence of PCBs?			X							
21	Is there any knowledge of a valuation reduction for the property based upon environmental issues?			X							
22a	Is there any knowledge of activity and use limitations placed on the property due to residual contamination?			X							
22b	Is there any knowledge of activity and use limitations placed on adjacent properties due to residual contamination?			X							

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ASTM1527-13 ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE

23a	Is there any knowledge of the property being abandoned or evidence of unauthorized uses or uncontrolled access to the property?			X							
23b	Is there any knowledge of an adjacent property being abandoned or evidence of unauthorized uses or uncontrolled access to the property?			X							

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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?)	X									
21A	Are there any streams or ditches that run through or adjacent to the property?			X							
21B	Are there any low areas where water ponds with snowmelt or after rainstorms?			X							
22	Any known or suspected asbestos-containing materials? What year was the property/structure constructed?			X							
23	Any known or suspected lead-based paint? Date constructed?			X							
24	Radon issues? How long will the area be occupied? Is the area in a basement?			X							

Tetra Tech Inc.
415 Oak Street
Kansas City, Missouri 64106

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?			X							
26	Community Right to Know posting of Materials Safety Data Sheets and/or other health related information?			X							
27	Are employees wearing PPE for work conditions noted? For example, hard-toed shoes, hard hat, safety glasses, hearing protection, etc?			X							
28	Does there appear to be excessive noise issues?			X							
29	Other potential unsafe working conditions identified?			X							
30	Health and safety gear observed, such as, first aid kits, fire extinguishers, or eye wash stations?			X							
31	Are there any pits, tanks, or sumps that must be entered by employees that may be a confined space?			X							
32	Are there any historical or active septic systems? NA										

Tetra Tech Inc.
415 Oak Street
Kansas City, Missouri 64106

ASTM1527-13 ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE

GOVERNMENT RECORDS/HISTORICAL SOURCES INQUIRY

		Y	N	COMMENTS
33	Do any of the following Federal government record systems list the property or any property within the circumference of the area noted below:			
	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)?			
34	Do any of the following state record systems list the property or any property within the circumference of the area noted below:	Y	N	COMMENTS
	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)?			
	Solid Waste/Landfill Facilities – within 0.5 mile (0.8 Km)?			

		Y	N	N/A	COMMENTS
35	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?				

KEY: *Y = YES, N = NO, U = UNKNOWN, N/A = NOT APPLICABLE*

Prepared by: Robert Murray **(Owner), (Occupant), and (Tetra Tech)**

Signature: **Date:**	**Signature:** **Date** 7/18/22
Tetra Tech	

Tetra Tech Inc.
415 Oak Street
Kansas City, Missouri 64106

From: NDEE Records
To: LaMasney, Macy; NDEE Records
Subject: RE: Village of Winslow Property Records
Date: Tuesday, July 12, 2022 2:05:23 PM
Attachments: image001.png

CAUTION: This email originated from an external sender. Verify the source before opening links or attachments.

Subject: FW: No Information Response

Good Morning Macy - This is in response to your request for information for 201 Elkhorn, 300 & 301 & 306 Main St , 302 Dodge St & 305 Nebraska in Winslow NE.

Our database showed no results in searching for those addresses. The mere fact that the Nebraska Department of Environment and Energy (NDEE) does not have further information related to this site available at the present time in no way means that NDEE guarantees that there are no actual or potential environmental problems associated with this site. Please be advised that NDEE does not hereby warrant a site as free from contamination or other environmental problems, and that this response does not relieve the person requesting information of the obligation and responsibility of undertaking an environmental audit or other appropriate inquiry consistent with good commercial or customary business practice.

Let me know if you need any additional information, thank you!

Cindy Dulas
Dept of Environment and Energy- Records Section
PO Box 98922
Lincoln NE 68509-8922
402-471-3557

From: LaMasney, Macy <MACY.LAMASNEY@tetratech.com>
Sent: Tuesday, July 12, 2022 11:21 AM
To: NDEE Records <ndee.records@nebraska.gov>

Subject: Village of Winslow Property Records

Hello,

I am completing a Phase I ESA for multiple properties in the Village of Winslow, NE and I was wondering if you had any records for those properties. I have checked the Interactive Map Server for records, but I just wanted to be sure I found all of the existing information. The properties include:

201 Elkhorn Avenue (Parcel 270074963)
300 Main Street (Parcel 270075012)
301 Main Street (Parcel 270075103)
302 Dodge Avenue (Parcel 270075089)
305 Nebraska Street (Parcel 270138492)
306 Main Street (Parcel 270075033)

Thanks,

Macy La Masney | Environmental Scientist
Pronouns: she, her, hers
Direct **+1 (816) 412-1759** | Main: **+1 (816) 412-1741** | macy.lamasney@tetratech.com

Tetra Tech | *Leading with Science®* | EMI
415 Oak Street | Kansas City, MO 64106 | tetratech.com

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APPENDIX E

EDR RADIUS MAP WITH GEOCHECK

201 Elkhorn Ave
201 Elkhorn Ave
Hooper, NE 68031

Inquiry Number: 7041632.2s
July 05, 2022

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION	PAGE
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

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map	A-13
Physical Setting Source Map Findings	A-15
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.

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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 (E1527-21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

201 ELKHORN AVE
HOOPER, NE 68031

COORDINATES

Latitude (North):	41.6101880 - 41ˆ 36' 36.67''
Longitude (West):	96.5060790 - 96ˆ 30' 21.88''
Universal Tranverse Mercator:	Zone 14
UTM X (Meters):	707809.9
UTM Y (Meters):	4609288.5
Elevation:	1210 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	10394609 HOOPER, NE
Version Date:	2017
Northeast Map:	10394633 NICKERSON NW, NE
Version Date:	2017
Southeast Map:	10394629 NICKERSON, NE
Version Date:	2017
Northwest Map:	10394659 UEHLING, NE
Version Date:	2017

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140907, 20140916
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
201 ELKHORN AVE
HOOPER, NE 68031

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	CHAMPLIN PETROLEUM C	US 77 & WILLOW	UST, HIST UST	Higher	972, 0.184, ENE
2	WINSLOW GROUNDWATER	LOGAN STREET AND RAI	SEMS-ARCHIVE	Higher	1013, 0.192, SE

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

Lists of Federal NPL (Superfund) sites

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

Lists of Federal Delisted NPL sites

Delisted NPL ---------- National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

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

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS ---------- Corrective Action Report

Lists of Federal RCRA TSD facilities

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

Lists of Federal RCRA generators

RCRA-LQG ---------- RCRA - Large Quantity Generators
RCRA-SQG ---------- RCRA - Small Quantity Generators
RCRA-VSQG ---------- RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System
US ENG CONTROLS ---------- Engineering Controls Sites List
US INST CONTROLS ---------- Institutional Controls Sites List

Federal ERNS list

ERNS ---------- Emergency Response Notification System

EXECUTIVE SUMMARY

Lists of state- and tribal hazardous waste facilities

SHWS ---- Superfund State Program List

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF ---- Licensed Landfill List

Lists of state and tribal leaking storage tanks

LUST ---- Leaking Underground Storage Tank Sites
LAST ---- Leaking Aboveground Storage Tank Sites
INDIAN LUST ---- Leaking Underground Storage Tanks on Indian Land

Lists of state and tribal registered storage tanks

FEMA UST ---- Underground Storage Tank Listing
AST ---- Hazardous Chemical AST List
INDIAN UST ---- Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

INST CONTROL ---- Nebraska's Institutional Control Registry

Lists of state and tribal voluntary cleanup sites

VCP ---- RAPMA Sites
INDIAN VCP ---- Voluntary Cleanup Priority Listing

Lists of state and tribal brownfield sites

BROWNFIELDS ---- Potential Brownfields Inventory Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ---- A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY ---- Recycling Resource Directory
INDIAN ODI ---- Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9 ---- Torres Martinez Reservation Illegal Dump Site Locations
ODI ---- Open Dump Inventory
IHS OPEN DUMPS ---- Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ---- Delisted National Clandestine Laboratory Register
US CDL ---- National Clandestine Laboratory Register
PFAS ---- PFAS Site Contamination Listing

Local Lists of Registered Storage Tanks

HIST AST ---- Aboveground Storage Tank Database Listing

EXECUTIVE SUMMARY

Local Land Records

LIENS 2 ---------- CERCLA Lien Information

Records of Emergency Release Reports

HMIRS ---------- Hazardous Materials Information Reporting System
SPILLS ---------- Surface Spill List
SPILLS 90 ---------- SPILLS 90 data from FirstSearch
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
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
ABANDONED MINES ---------- Abandoned Mines
FINDS ---------- Facility Index System/Facility Registry System
DOCKET HWC ---------- Hazardous Waste Compliance Docket Listing
UXO ---------- Unexploded Ordnance Sites
ECHO ---------- Enforcement & Compliance History Information
FUELS PROGRAM ---------- EPA Fuels Program Registered Listing
AIRS ---------- Air State Program List
ASBESTOS ---------- ASBESTOS
DRYCLEANERS ---------- Drycleaner Facility Listing

Financial Assurance ---------- Financial Assurance Information Listing
NPDES ---------- Wastewater Database Listing
TIER 2 ---------- Tier 2 Facility Listing
UIC ---------- Undergound Injection Control Database
MINES MRDS ---------- Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP ---------- EDR Proprietary Manufactured Gas Plants
EDR Hist Auto ---------- EDR Exclusive Historical Auto Stations
EDR Hist Cleaner ---------- EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS ---------- Recovered Government Archive State Hazardous Waste Facilities List
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.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: 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.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 04/27/2022 has revealed that there

is 1 SEMS-ARCHIVE site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WINSLOW GROUNDWATER Site ID: 0706079 EPA Id: NEN000706079	LOGAN STREET AND RAI	SE 1/8 - 1/4 (0.192 mi.)	2	9

Lists of state and tribal registered storage tanks

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 UST list, as provided by EDR, and dated 12/17/2021 has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CHAMPLIN PETROLEUM C Tank Id/Tank Status: Permanently Out of Use Facility ID: 6172	***US 77 & WILLOW***	***ENE 1/8 - 1/4 (0.184 mi.)***	***1***	***8***

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Registered Storage Tanks

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 HIST UST list, as provided by EDR, and dated 02/28/2005 has revealed that there is 1 HIST UST site within approximately 0.25 miles of the target property.

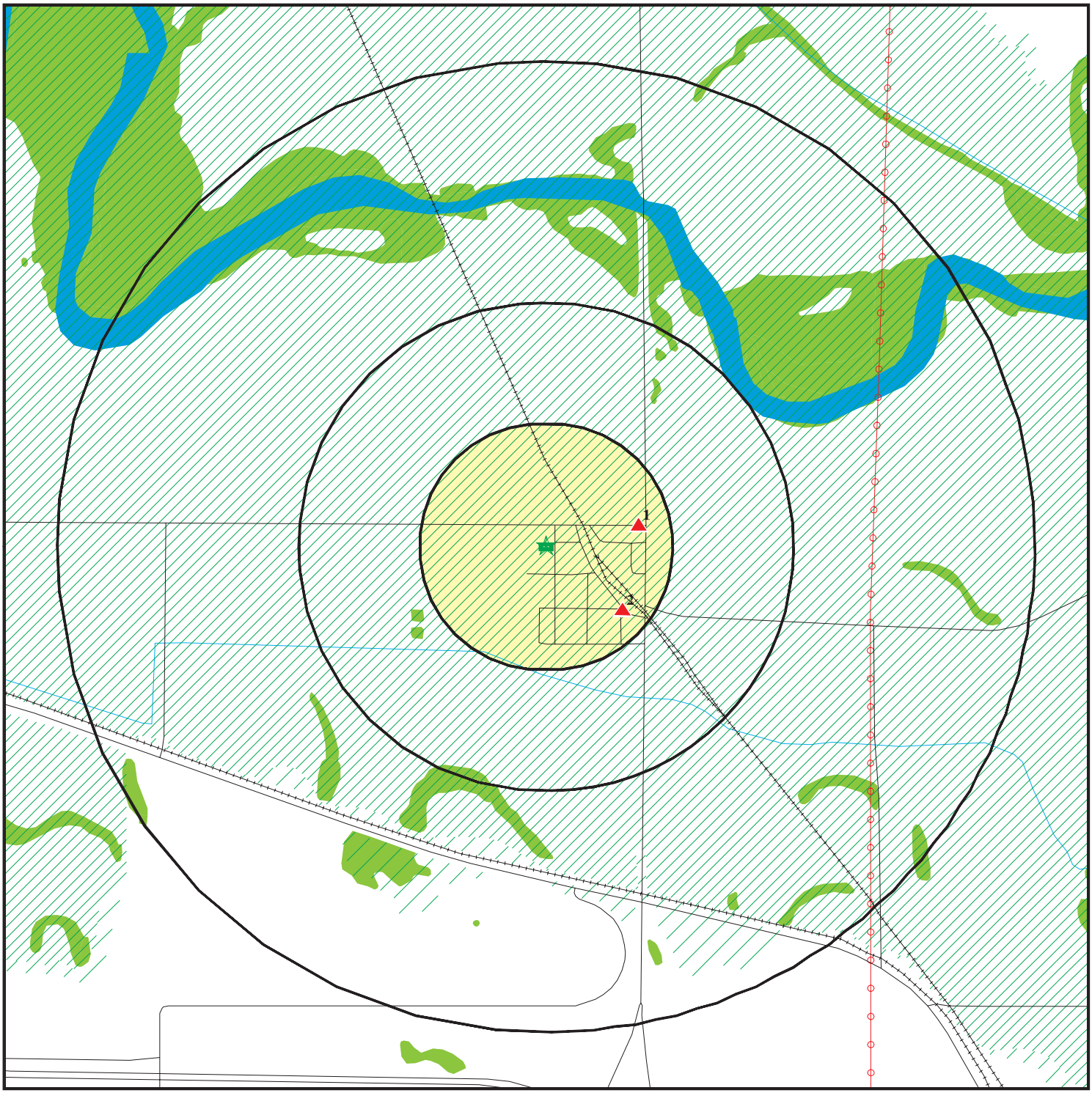
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CHAMPLIN PETROLEUM C Facility Id: 6172	***US 77 & WILLOW***	***ENE 1/8 - 1/4 (0.184 mi.)***	***1***	***8***

EXECUTIVE SUMMARY

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

Site Name	Database(s)
FARMERS COOP MERCANTILE	LUST

OVERVIEW MAP - 7041632.2S



0 1/4 1/2 1 Miles

N

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- 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: 201 Elkhorn Ave ADDRESS: 201 Elkhorn Ave Hooper NE 68031 LAT/LONG: 41.610188 / 96.506079	CLIENT: Tetra Tech EMI CONTACT: Kaitlyn Mitchell INQUIRY #: 7041632.2s DATE: July 05, 2022 1:19 pm

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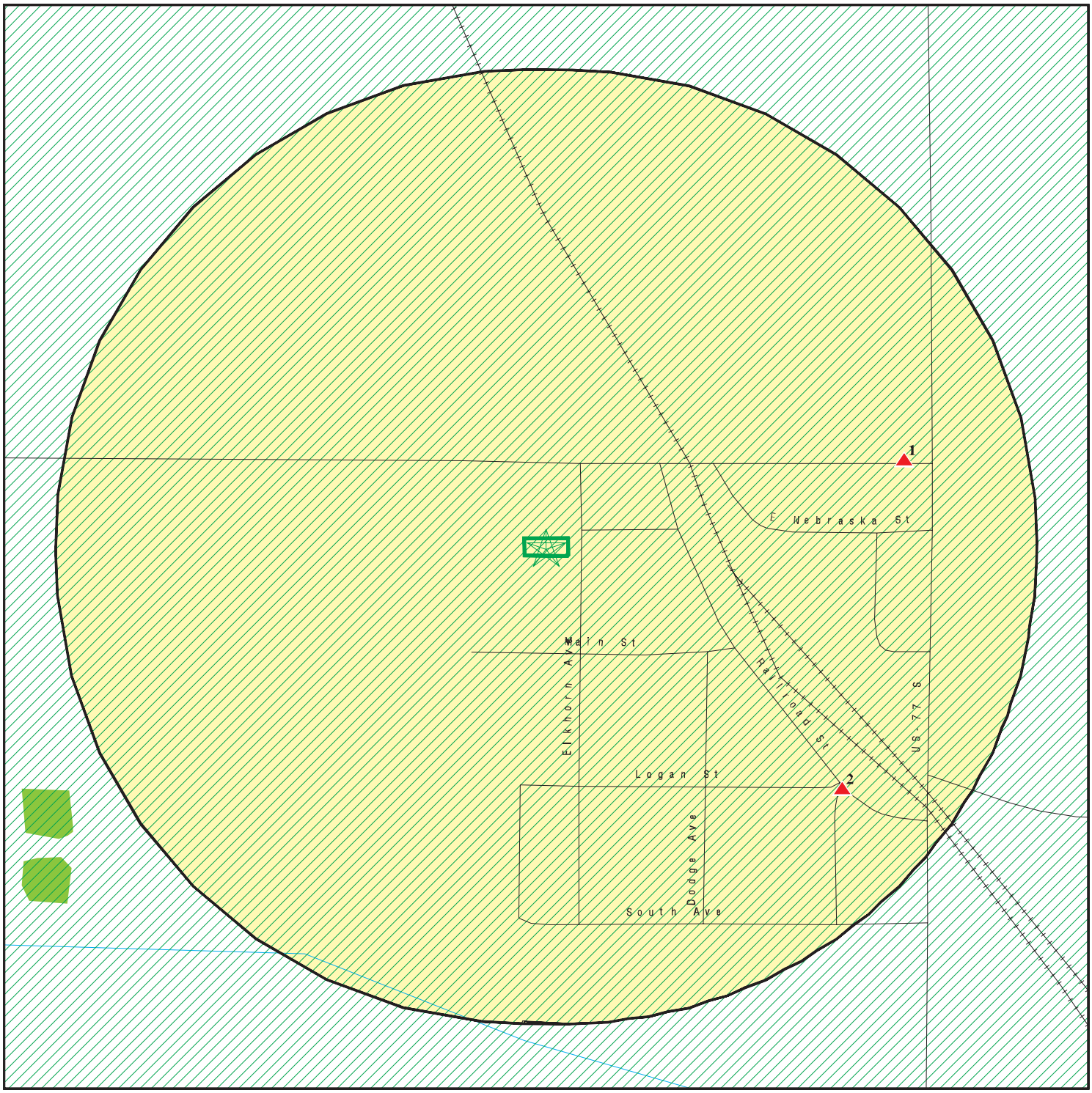
DETAIL MAP - 7041632.2S



- 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

0 1/16 1/8 1/4 Miles

- Indian Reservations BIA
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- 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: 201 Elkhorn Ave ADDRESS: 201 Elkhorn Ave Hooper NE 68031 LAT/LONG: 41.610188 / 96.506079	CLIENT: Tetra Tech EMI CONTACT: Kaitlyn Mitchell INQUIRY #: 7041632.2s DATE: July 05, 2022 1:20 pm

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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
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	1	0	NR	NR	1
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
Lists of state- and tribal hazardous waste facilities								
SHWS	1.000		0	0	0	0	NR	0
Lists of state and tribal landfills and solid waste disposal facilities								
SWF/LF	0.500		0	0	0	NR	NR	0
Lists of state and tribal leaking storage tanks								
LUST	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
LAST	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	1	NR	NR	NR	1
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
INST CONTROL	0.500		0	0	0	NR	NR	0
Lists of state and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
SWRCY	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
Local Lists of Registered Storage Tanks								
HIST UST	0.250		0	1	NR	NR	NR	1
HIST AST	TP		NR	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
SPILLS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	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
SPILLS 80	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
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
ABANDONED 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
ECHO	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
ASBESTOS	TP		NR	NR	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
TIER 2	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
MINES MRDS	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	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
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA HWS	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	0	3	0	0	0	3

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

1
ENE
1/8-1/4
0.184 mi.
972 ft.

CHAMPLIN PETROLEUM CO
US 77 & WILLOW
WINSLOW, NE 68072

UST **U000912685**
HIST UST **N/A**

Relative:
Higher

Actual:
1211 ft.

UST:

Name:	CHAMPLIN PETROLEUM CO
Address:	US 77 & WILLOW
City:	WINSLOW
Zip:	68072

Facility:

Facility ID:	6172
Owner Name:	CHAMPLIN PETROLEUM CO
Owner Address:	801 CHERRY ST
Owner City,St,Zip:	FORT WORTH, TX 76102
Tanks Currently In Use:	0
Tanks Temp Out Of Use:	0
Tanks Perm Out Of Use:	3
Tanks Closed In Place:	0
Tanks Removed:	0

Owner:	CHAMPLIN PETROLEUM CO
Owner Address:	801 CHERRY ST
Owner City,St,Zip:	FORT WORTH, TX 76102
Tank Corrosion Protection:	Not reported
Tank Id/Tank Status:	1 / Permanently Out of Use
Tank Contents:	Used Oil
Tank Size:	275
Tank Date Installed:	1901
Tank Type:	Federally Regulated
Tank Construction:	Unknown
Tank Internal Protection:	Unknown
Tank External Protection:	Unknown
Tank Secondary Containment:	Not reported
Piping Construction Material:	Unknown

Tank Id/Tank Status:	2 / Permanently Out of Use
Tank Contents:	Empty
Tank Size:	3000
Tank Date Installed:	1901
Tank Type:	Federally Regulated
Tank Construction:	Unknown
Tank Internal Protection:	Unknown
Tank External Protection:	Unknown
Tank Secondary Containment:	Not reported
Piping Construction Material:	Unknown

Tank Id/Tank Status:	3 / Permanently Out of Use
Tank Contents:	Empty
Tank Size:	1000
Tank Date Installed:	1901
Tank Type:	Federally Regulated
Tank Construction:	Unknown
Tank Internal Protection:	Unknown
Tank External Protection:	Unknown
Tank Secondary Containment:	Not reported
Piping Construction Material:	Unknown

CHAMPLIN PETROLEUM CO (Continued) **U000912685**

HIST UST:

Facility ID:	6172
Owner:	CHAMPLIN PETROLEUM CO
Owner Address:	801 CHERRY ST
Owner City,St,Zip:	FORT WORTH, TX 761020000
Tank Number:	1
Tank Usage Status:	**Permanently Out of Use**
Tank Size (Gal):	275
Tank Construction Material:	Unknown
Tank Content(s):	Used Oil
Tank Installed:	Unknown
Piping Construction Material(s):	Unknown

Facility ID:	6172
Owner:	CHAMPLIN PETROLEUM CO
Owner Address:	801 CHERRY ST
Owner City,St,Zip:	FORT WORTH, TX 761020000
Tank Number:	2
Tank Usage Status:	**Permanently Out of Use**
Tank Size (Gal):	3000
Tank Construction Material:	Unknown
Tank Content(s):	Empty, Gasoline
Tank Installed:	Unknown
Piping Construction Material(s):	Unknown

Facility ID:	6172
Owner:	CHAMPLIN PETROLEUM CO
Owner Address:	801 CHERRY ST
Owner City,St,Zip:	FORT WORTH, TX 761020000
Tank Number:	3
Tank Usage Status:	**Permanently Out of Use**
Tank Size (Gal):	1000
Tank Construction Material:	Unknown
Tank Content(s):	Empty, Gasoline
Tank Installed:	Unknown
Piping Construction Material(s):	Unknown

---

2 **WINSLOW GROUNDWATER** **SEMS-ARCHIVE** **1012210027**
SE **LOGAN STREET AND RAILROAD STREET** **NEN000706079**
1/8-1/4 **WINSLOW, NE 68072**
0.192 mi.
1013 ft.

Relative:
Higher

Actual:
1211 ft.

SEMS Archive:

Site ID:	0706079
EPA ID:	NEN000706079
Name:	WINSLOW GROUNDWATER
Address:	LOGAN STREET AND RAILROAD STREET
Address 2:	Not reported
City,State,Zip:	WINSLOW, NE 68072
Cong District:	01
FIPS Code:	31053
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region:	07

WINSLOW GROUNDWATER (Continued) **1012210027**

Site ID:	0706079
EPA ID:	NEN000706079
Site Name:	WINSLOW GROUNDWATER
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	2013-05-21 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	07
Site ID:	0706079
EPA ID:	NEN000706079
Site Name:	WINSLOW GROUNDWATER
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	2009-10-28 04:00:00
Finish Date:	2009-10-28 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	07
Site ID:	0706079
EPA ID:	NEN000706079
Site Name:	WINSLOW GROUNDWATER
NPL:	N
FF:	N
OU:	00
Action Code:	HX
Action Name:	PRE-CERC
SEQ:	1
Start Date:	2009-10-01 04:00:00
Finish Date:	2009-11-03 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	07
Site ID:	0706079
EPA ID:	NEN000706079
Site Name:	WINSLOW GROUNDWATER
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	2011-04-05 05:00:00
Finish Date:	2012-02-16 05:00:00
Qual:	N

WINSLOW GROUNDWATER (Continued) **1012210027**

Current Action Lead: EPA Perf

Count: 1 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
WINSLOW	S103716086	FARMERS COOP MERCANTILE	MAIN ST & DODGE (N SIDE)		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

Lists of Federal NPL (Superfund) sites

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: 04/27/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 07/01/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

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

EPA Region 1
Telephone 617-918-1143

EPA Region 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 5
Telephone 312-886-6686

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6774

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: 04/27/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 07/01/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

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

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

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: 04/27/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 07/01/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

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: 05/25/2021
Date Data Arrived at EDR: 06/24/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 06/27/2022
Next Scheduled EDR Contact: 10/10/2022
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: 04/27/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 26

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 07/01/2022
Next Scheduled EDR Contact: 07/25/2022
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

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: 04/27/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 26

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 07/01/2022
Next Scheduled EDR Contact: 07/25/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/20/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 7

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

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: 06/20/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 913-551-7003
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA generators

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: 06/20/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 913-551-7003
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 06/20/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 913-551-7003
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly 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). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/20/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 913-551-7003
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

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: 02/08/2022
Date Data Arrived at EDR: 02/11/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 88

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 05/05/2022
Next Scheduled EDR Contact: 08/22/2022
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: 02/21/2022
Date Data Arrived at EDR: 02/23/2022
Date Made Active in Reports: 05/24/2022
Number of Days to Update: 90

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/24/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

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: 02/21/2022
Date Data Arrived at EDR: 02/23/2022
Date Made Active in Reports: 05/24/2022
Number of Days to Update: 90

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/04/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

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

Date of Government Version: 06/14/2022
Date Data Arrived at EDR: 06/15/2022
Date Made Active in Reports: 06/21/2022
Number of Days to Update: 6

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/15/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

SHWS: Superfund State Program List

The Nebraska Department of Environmental Quality is providing this information from it's 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: 03/14/2022
Date Data Arrived at EDR: 03/15/2022
Date Made Active in Reports: 06/07/2022
Number of Days to Update: 84

Source: Dept. of Environmental Quality
Telephone: 402-471-3557
Last EDR Contact: 06/09/2022
Next Scheduled EDR Contact: 09/26/2022
Data Release Frequency: Varies

Lists of state and tribal landfills and solid waste disposal facilities

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: 03/14/2022
Date Data Arrived at EDR: 03/15/2022
Date Made Active in Reports: 06/08/2022
Number of Days to Update: 85

Source: Department of Environmental Quality
Telephone: 402-471-4210
Last EDR Contact: 06/09/2022
Next Scheduled EDR Contact: 09/26/2022
Data Release Frequency: Varies

Lists of state and tribal leaking storage tanks

LAST: Leaking Aboveground Storage Tank Sites

Releases from an aboveground storage tank system.

Date of Government Version: 04/05/2022
Date Data Arrived at EDR: 04/06/2022
Date Made Active in Reports: 06/29/2022
Number of Days to Update: 84

Source: Department of Environmental Quality
Telephone: 402-471-3557
Last EDR Contact: 04/06/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Quarterly

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: 04/05/2022
Date Data Arrived at EDR: 04/06/2022
Date Made Active in Reports: 06/29/2022
Number of Days to Update: 84

Source: Department of Environmental Quality
Telephone: 402-471-3557
Last EDR Contact: 04/06/2022
Next Scheduled EDR Contact: 07/18/2022
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: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

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: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

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

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 08/01/2022
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: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

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: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 08/01/2022
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: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

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

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 08/01/2022
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: 05/28/2021
Date Data Arrived at EDR: 06/22/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 90
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

Lists of state and tribal registered storage tanks

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

Date of Government Version: 10/14/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 02/01/2022
Number of Days to Update: 88
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 06/29/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Varies

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: 12/17/2021
Date Data Arrived at EDR: 01/26/2022
Date Made Active in Reports: 04/20/2022
Number of Days to Update: 84
Source: Nebraska State Fire Marshal
Telephone: 402-471-9664
Last EDR Contact: 04/27/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: Annually

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: 03/07/2022
Date Data Arrived at EDR: 03/10/2022
Date Made Active in Reports: 06/07/2022
Number of Days to Update: 89
Source: State Fire Marshal
Telephone: 402-471-9465
Last EDR Contact: 06/15/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: No Update Planned

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: 05/28/2021
Date Data Arrived at EDR: 06/22/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 90
Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 08/01/2022
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: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 08/01/2022
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: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

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: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

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: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/06/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

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: 10/14/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

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: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

State and tribal institutional control / engineering control registries

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 cleanup 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: 03/15/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 06/14/2021
Number of Days to Update: 83

Source: Department of Environmental Quality
Telephone: 402-471-2214
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 09/26/2022
Data Release Frequency: Annually

Lists of state and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

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

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 06/15/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Varies

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: 03/15/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 06/14/2021
Number of Days to Update: 83

Source: Department of Environmental Quality
Telephone: 402-471-2186
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 09/26/2022
Data Release Frequency: Annually

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

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

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

Lists of state and tribal brownfield sites

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: 03/14/2022
Date Data Arrived at EDR: 03/15/2022
Date Made Active in Reports: 06/07/2022
Number of Days to Update: 84

Source: Department of Environmental Quality
Telephone: 402-471-2186
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 09/26/2022
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: 02/23/2022
Date Data Arrived at EDR: 03/10/2022
Date Made Active in Reports: 03/10/2022
Number of Days to Update: 0

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 09/26/2022
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: Recycling Resource Directory

A listing of recycling facilities.

Date of Government Version: 03/02/2022
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 05/27/2022
Number of Days to Update: 86

Source: Department of Environmental Quality
Telephone: 402-471-6974
Last EDR Contact: 06/09/2022
Next Scheduled EDR Contact: 09/26/2022
Data Release Frequency: No Update Planned

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

Location of open dumps on Indian land.

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

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: Varies

ODI: Open Dump Inventory

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

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

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

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: 04/14/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

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

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

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

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

Date of Government Version: 02/22/2022
Date Data Arrived at EDR: 02/23/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 76

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/24/2022
Next Scheduled EDR Contact: 09/05/2022
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: 02/22/2022
Date Data Arrived at EDR: 02/23/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 76

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/24/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: Quarterly

PFAS: PFAS Site Contamination Listing

The purpose of the Perfluorinated Compounds (PFCs) inventory is to develop a statewide list of facilities that used or produced PFCs in Nebraska. This includes the high profile Perfluorooctanoic Acid (PFOA) and Perfluoroctane Sulfonate (PFOS), which were used in Aqueous Film Forming Foam (AFFF) formulations for fire suppression. In addition to AFFF, PFCs were used in a variety of surface treatments and performance chemicals including fabric and leather treatments, various surfactants, food containers, pesticides, rubber products, antifogging, non-stick cookware, paints and special coatings, airplane hydraulic fluid, waterproof fabric, metal plating, photographic processes, and electronic manufacturing.

Date of Government Version: 06/30/2017
Date Data Arrived at EDR: 02/07/2020
Date Made Active in Reports: 03/11/2020
Number of Days to Update: 33

Source: Department of Environment & Energy
Telephone: 402-471-3557
Last EDR Contact: 04/25/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

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
Date Data Arrived at EDR: 09/01/2006
Date Made Active in Reports: 10/11/2006
Number of Days to Update: 40

Source: State Fire Marshal
Telephone: 402-471-2027
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

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
Date Data Arrived at EDR: 09/01/2006
Date Made Active in Reports: 10/11/2006
Number of Days to Update: 40

Source: State Fire Marshal
Telephone: 402-471-2027
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

Local Land Records

LIENS 2: CERCLA Lien Information

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

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 07/01/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Semi-Annually

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: 03/21/2022
Date Data Arrived at EDR: 03/21/2022
Date Made Active in Reports: 06/14/2022
Number of Days to Update: 85

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

SPILLS: Surface Spill List

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

Date of Government Version: 04/05/2022
Date Data Arrived at EDR: 04/06/2022
Date Made Active in Reports: 06/29/2022
Number of Days to Update: 84

Source: Department of Environmental Quality
Telephone: 402-471-2186
Last EDR Contact: 04/06/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Quarterly

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
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/06/2013
Number of Days to Update: 62

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

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
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/06/2013
Number of Days to Update: 62

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
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: 06/20/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 913-551-7003
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

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

Date of Government Version: 12/01/2021
Date Data Arrived at EDR: 02/15/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 84

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 05/17/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: Varies

DOD: Department of Defense Sites

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

Date of Government Version: 06/07/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 239

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 04/12/2022
Next Scheduled EDR Contact: 07/25/2022
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

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

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/05/2022
Next Scheduled EDR Contact: 07/18/2022
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: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 05/06/2022
Next Scheduled EDR Contact: 08/22/2022
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: 03/21/2022
Date Data Arrived at EDR: 03/21/2022
Date Made Active in Reports: 06/14/2022
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
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: 04/28/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

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

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/06/2022
Next Scheduled EDR Contact: 08/15/2022
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: 12/31/2016
Date Data Arrived at EDR: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/14/2022
Next Scheduled EDR Contact: 09/26/2022
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: 12/31/2018
Date Data Arrived at EDR: 08/14/2020
Date Made Active in Reports: 11/04/2020
Number of Days to Update: 82

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/20/2022
Next Scheduled EDR Contact: 08/29/2022
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: 01/19/2022
Date Data Arrived at EDR: 01/19/2022
Date Made Active in Reports: 04/11/2022
Number of Days to Update: 82

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/20/2022
Next Scheduled EDR Contact: 08/01/2022
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: 04/27/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 26

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 07/01/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Annually

RMP: Risk Management Plans

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: 04/27/2022
Date Data Arrived at EDR: 05/04/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/18/2022
Next Scheduled EDR Contact: 08/01/2022
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
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 01/25/2022
Date Data Arrived at EDR: 02/03/2022
Date Made Active in Reports: 02/25/2022
Number of Days to Update: 22

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 07/01/2022
Next Scheduled EDR Contact: 08/15/2022
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: 01/20/2022
Date Data Arrived at EDR: 01/20/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 64

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/08/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

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

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 06/28/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Quarterly

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
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

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
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

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: 03/11/2022
Date Data Arrived at EDR: 03/15/2022
Date Made Active in Reports: 06/14/2022
Number of Days to Update: 91

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 04/18/2022
Next Scheduled EDR Contact: 08/01/2022
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: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 84

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 06/02/2022
Next Scheduled EDR Contact: 09/12/2022
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: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 05/25/2022
Next Scheduled EDR Contact: 09/12/2022
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: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 05/06/2022
Next Scheduled EDR Contact: 08/15/2022
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.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 06/23/2022
Next Scheduled EDR Contact: 10/10/2022
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 Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 04/26/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: Quarterly

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: 12/31/2021
Date Data Arrived at EDR: 01/14/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 70

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 06/29/2022
Next Scheduled EDR Contact: 10/17/2022
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: 12/31/2019
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 23

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Biennially

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: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/05/2022
Next Scheduled EDR Contact: 07/18/2022
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: 07/26/2021
Date Data Arrived at EDR: 07/27/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 87

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/15/2022
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: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/16/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 09/01/2022
Next Scheduled EDR Contact: 10/10/2022
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 1931and 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
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
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.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 03/21/2022
Date Data Arrived at EDR: 03/22/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 3

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 05/26/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Quarterly

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: 02/01/2022
Date Data Arrived at EDR: 02/23/2022
Date Made Active in Reports: 05/24/2022
Number of Days to Update: 90

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 05/25/2022
Next Scheduled EDR Contact: 09/05/2022
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: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/27/2022
Next Scheduled EDR Contact: 09/05/2022
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: 05/27/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

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

Date of Government Version: 03/10/2022
Date Data Arrived at EDR: 03/10/2022
Date Made Active in Reports: 06/14/2022
Number of Days to Update: 96

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 06/14/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

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

Date of Government Version: 05/13/2022
Date Data Arrived at EDR: 05/18/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 13

Source: EPA
Telephone: (913) 551-7003
Last EDR Contact: 05/18/2022
Next Scheduled EDR Contact: 09/12/2022
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: 04/02/2022
Date Data Arrived at EDR: 04/05/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 07/01/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites
A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 01/11/2022
Date Made Active in Reports: 02/14/2022
Number of Days to Update: 34
Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 04/12/2022
Next Scheduled EDR Contact: 07/25/2022
Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing
A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82
Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 05/19/2022
Next Scheduled EDR Contact: 09/05/2022
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.

Date of Government Version: 02/17/2022
Date Data Arrived at EDR: 02/17/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 82
Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 05/17/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: Quarterly

AIRS: Air State Program List
A listing of air program facilities.

Date of Government Version: 03/14/2022
Date Data Arrived at EDR: 03/15/2022
Date Made Active in Reports: 06/07/2022
Number of Days to Update: 84
Source: Department of Environmental Quality
Telephone: 402-471-3389
Last EDR Contact: 06/09/2022
Next Scheduled EDR Contact: 09/26/2022
Data Release Frequency: Quarterly

ASBESTOS: Asbestos Notification Listing
Asbestos notification sites

Date of Government Version: 01/31/2022
Date Data Arrived at EDR: 02/01/2022
Date Made Active in Reports: 04/20/2022
Number of Days to Update: 78
Source: Department of Health & Human Services
Telephone: 402-471-0549
Last EDR Contact: 05/02/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Varies

DRYCLEANERS: Drycleaner Facility Listing
A listing of drycleaner facilities in Nebraska.

Date of Government Version: 03/14/2022
Date Data Arrived at EDR: 03/15/2022
Date Made Active in Reports: 06/07/2022
Number of Days to Update: 84
Source: Department of Environmental Quality
Telephone: 402-471-3557
Last EDR Contact: 06/09/2022
Next Scheduled EDR Contact: 09/26/2022
Data Release Frequency: Varies

Financial Assurance: Financial Assurance Information Listing
Financial assurance information for solid and hazardous waste sites.

Date of Government Version: 12/01/2021
Date Data Arrived at EDR: 12/13/2021
Date Made Active in Reports: 03/02/2022
Number of Days to Update: 79
Source: Department of Environmental Quality
Telephone: 402-471-2186
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 09/26/2022
Data Release Frequency: Annually

NPDES: Wastewater Database Listing
A listing of permitted wastewater facilities.

Date of Government Version: 02/25/2022
Date Data Arrived at EDR: 02/28/2022
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 9
Source: Department of Environmental Quality
Telephone: 402-471-3557
Last EDR Contact: 05/26/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Quarterly

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: 12/31/2020
Date Data Arrived at EDR: 06/01/2021
Date Made Active in Reports: 08/23/2021
Number of Days to Update: 83
Source: Department of Environmental Quality
Telephone: 402-471-3557
Last EDR Contact: 05/31/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Varies

UIC: Undergound 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: 01/25/2022
Date Data Arrived at EDR: 01/26/2022
Date Made Active in Reports: 04/20/2022
Number of Days to Update: 84
Source: Department of Environmental Quality
Telephone: 402-471-2186
Last EDR Contact: 04/25/2022
Next Scheduled EDR Contact: 09/08/2022
Data Release Frequency: Varies

PCS ENF: Enforcement data
No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29
Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 06/28/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Varies

PCS INACTIVE: Listing of Inactive PCS Permits
An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120
Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/28/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Semi-Annually

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

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55
Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 06/28/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Semi-Annually

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 05/27/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: Varies

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 Historical Auto Stations

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

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

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

EDR Hist Cleaner: EDR Exclusive Historical 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

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

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

OTHER DATABASE(S)

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

CT MANIFEST: Hazardous Waste Manifest Data

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

Date of Government Version: 12/03/2021
Date Data Arrived at EDR: 02/11/2022
Date Made Active in Reports: 05/06/2022
Number of Days to Update: 84

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/09/2022
Next Scheduled EDR Contact: 08/22/2022
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: 01/01/2019
Date Data Arrived at EDR: 10/29/2021
Date Made Active in Reports: 01/19/2022
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: Quarterly

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/03/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
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 Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

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

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Child Care Listing
Source: Department of Health & Human Srevices
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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

201 ELKHORN AVE
201 ELKHORN AVE
HOOPER, NE 68031

TARGET PROPERTY COORDINATES

Latitude (North):	41.610188 - 41ˆ 36’ 36.68’’
Longitude (West):	96.506079 - 96ˆ 30’ 21.88’’
Universal Tranverse Mercator:	Zone 14
UTM X (Meters):	707809.9
UTM Y (Meters):	4609288.5
Elevation:	1210 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	10394609 HOOPER, NE
Version Date:	2017
Northeast Map:	10394633 NICKERSON NW, NE
Version Date:	2017
Southeast Map:	10394629 NICKERSON, NE
Version Date:	2017
Northwest Map:	10394659 UEHLING, NE
Version Date:	2017

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

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

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

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

GEOCHECK® - 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).

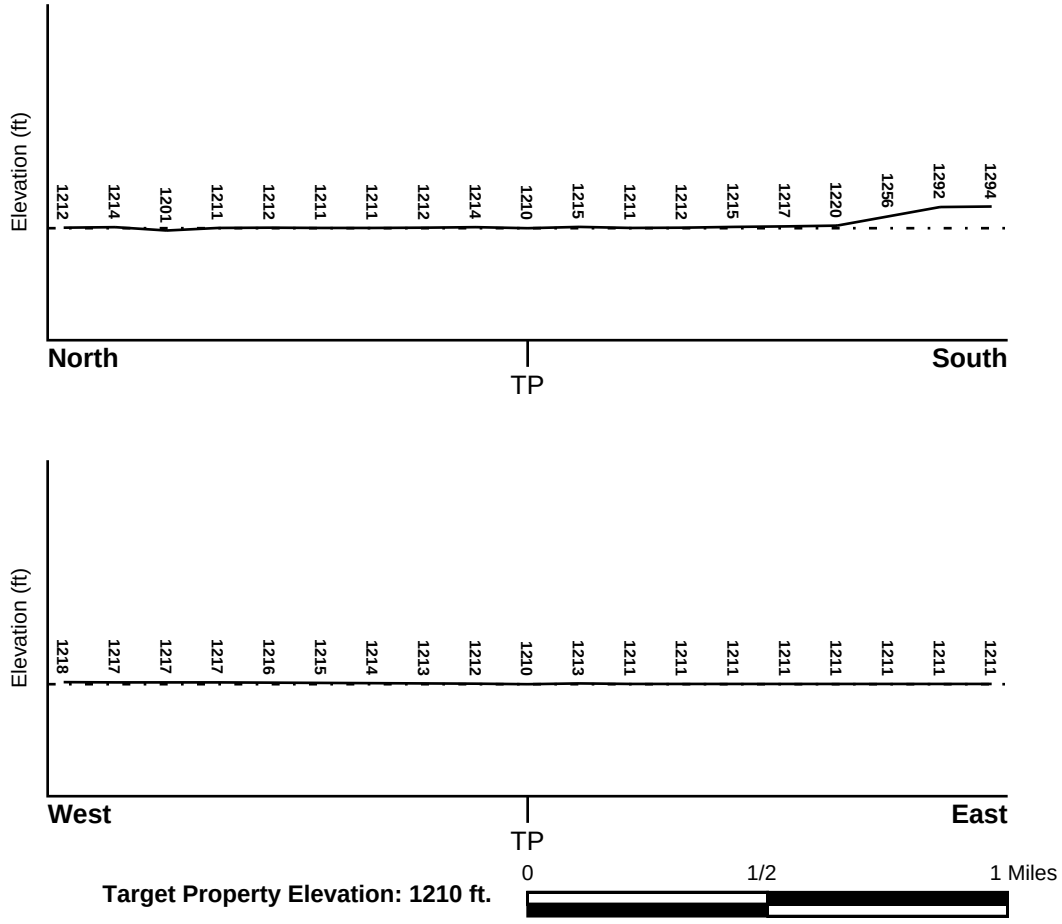
TOPOGRAPHIC INFORMATION

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 ESE

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

Flood Plain Panel at Target Property	FEMA Source Type
31053C0260F	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
31177C0105D	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
HOOPER	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

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

AQUIFLOW®

Search Radius: 1.000 Mile.

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

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
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

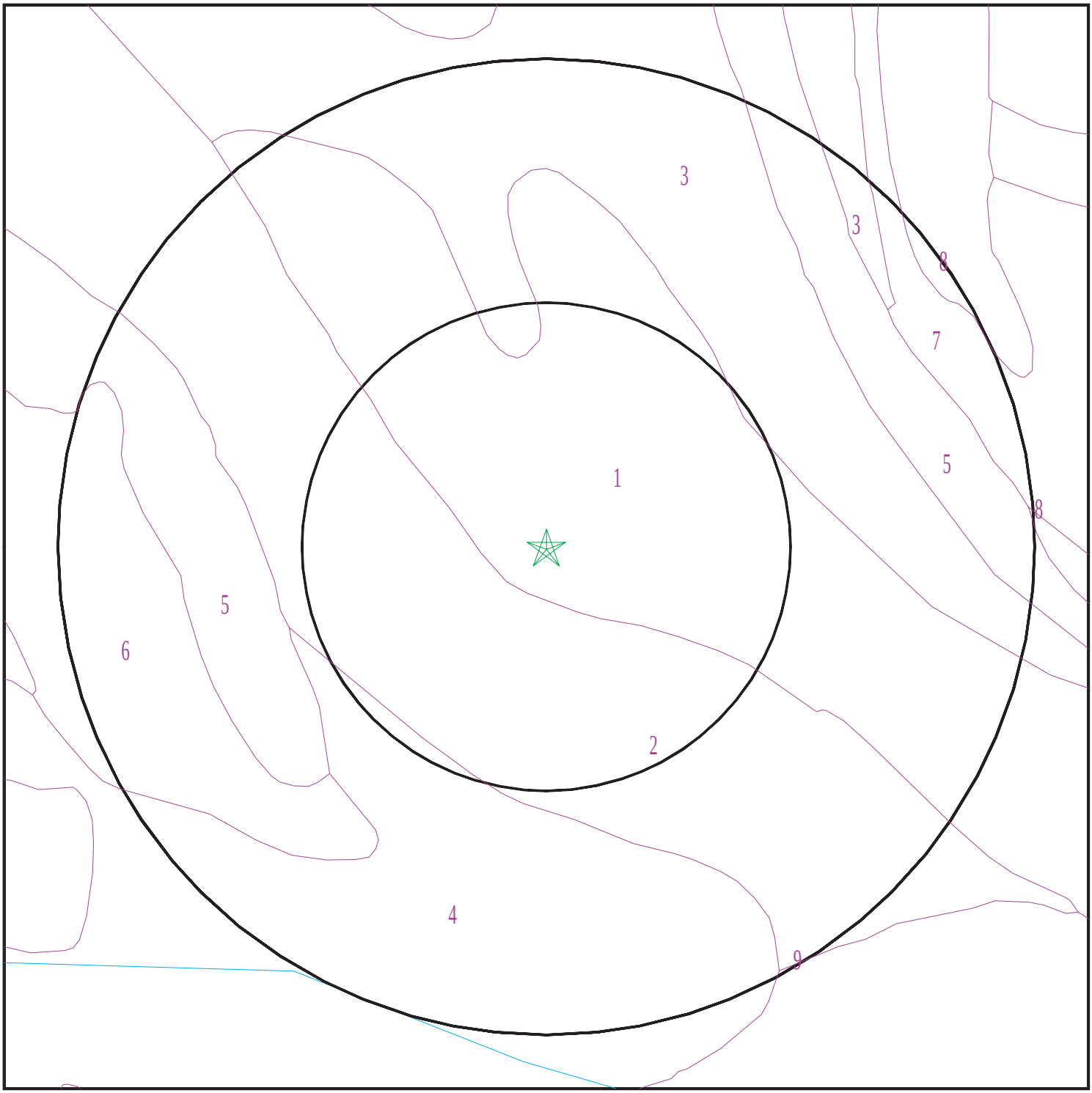
Era:	Mesozoic
System:	Cretaceous
Series:	Woodbine and Tuscaloosa Groups
Code:	uK1 *(decoded above as Era, System & Series)*

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 - 7041632.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	201 Elkhorn Ave	CLIENT:	Tetra Tech EMI
ADDRESS:	201 Elkhorn Ave Hooper NE 68031	CONTACT:	Kaitlyn Mitchell
LAT/LONG:	41.610188 / 96.506079	INQUIRY #:	7041632.2s
		DATE:	July 05, 2022 1:20 pm

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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: GIBBON

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: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 69 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	14 inches	loam	Not reported	Not reported	Max: 42 Min: 4	Max: 8.4 Min: 7.9
2	14 inches	35 inches	loam	Not reported	Not reported	Max: 42 Min: 4	Max: 8.4 Min: 7.9
3	35 inches	59 inches	stratified very fine sandy loam to silt loam	Not reported	Not reported	Max: 42 Min: 4	Max: 8.4 Min: 7.9

Soil Map ID: 2

Soil Component Name: JANUDE

Soil Surface Texture: loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 137 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	14 inches	loam	Not reported	Not reported	Max: 14.11 Min: 4.233	Max: 8.4 Min: 6.6
2	14 inches	42 inches	silty clay loam	Not reported	Not reported	Max: 14.11 Min: 4.233	Max: 8.4 Min: 6.6
3	42 inches	55 inches	silty clay	Not reported	Not reported	Max: 14.11 Min: 4.233	Max: 8.4 Min: 6.6
4	55 inches	79 inches	loam	Not reported	Not reported	Max: 14.11 Min: 4.233	Max: 8.4 Min: 6.6

Soil Map ID: 3

Soil Component Name: CASS

Soil Surface Texture: loam

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

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 137 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	20 inches	loam	Not reported	Not reported	Max: 141 Min: 42	Max: 8.4 Min: 6.1

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	20 inches	38 inches	fine sandy loam	Not reported	Not reported	Max: 141 Min: 42	Max: 8.4 Min: 6.1
3	38 inches	59 inches	fine sand	Not reported	Not reported	Max: 141 Min: 42	Max: 8.4 Min: 6.1

Soil Map ID: 4

Soil Component Name: LUTON

Soil Surface Texture: silty clay

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

Soil Drainage Class: Poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 61 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	22 inches	silty clay	Not reported	Not reported	Max: 0.4233 Min: 0.01	Max: 8.4 Min: 6.6
2	22 inches	59 inches	silty clay	Not reported	Not reported	Max: 0.4233 Min: 0.01	Max: 8.4 Min: 6.6

Soil Map ID: 5

Soil Component Name: ZOOK

Soil Surface Texture: silt loam

Hydrologic Group: Class C/D - Drained/undrained hydrology class of soils that can be drained and classified.

Soil Drainage Class: Poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 15 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	20 inches	silt loam	Not reported	Not reported	Max: 1.411 Min: 0.4233	Max: 7.8 Min: 5.6
2	20 inches	59 inches	silty clay	Not reported	Not reported	Max: 1.411 Min: 0.4233	Max: 7.8 Min: 5.6

Soil Map ID: 6

Soil Component Name: SALTINE

Soil Surface Texture: silty clay loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 69 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	silty clay loam	Not reported	Not reported	Max: 14.11 Min: 1.411	Max: 9.6 Min: 7.4
2	7 inches	29 inches	silty clay loam	Not reported	Not reported	Max: 14.11 Min: 1.411	Max: 9.6 Min: 7.4
3	29 inches	48 inches	silty clay loam	Not reported	Not reported	Max: 14.11 Min: 1.411	Max: 9.6 Min: 7.4

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
4	48 inches	59 inches	silt loam	Not reported	Not reported	Max: 14.11 Min: 1.411	Max: 9.6 Min: 7.4

Soil Map ID: 7

Soil Component Name: INAVALE

Soil Surface Texture: loamy fine 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: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	loamy fine sand	Not reported	Not reported	Max: 141 Min: 42	Max: 8.4 Min: 6.6
2	7 inches	27 inches	fine sand	Not reported	Not reported	Max: 141 Min: 42	Max: 8.4 Min: 6.6
3	27 inches	59 inches	loamy sand	Not reported	Not reported	Max: 141 Min: 42	Max: 8.4 Min: 6.6

Soil Map ID: 8

Soil Component Name: CASS

Soil Surface Texture: fine sandy loam

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

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 137 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	20 inches	fine sandy loam	Not reported	Not reported	Max: 141 Min: 42	Max: 8.4 Min: 6.1
2	20 inches	38 inches	fine sandy loam	Not reported	Not reported	Max: 141 Min: 42	Max: 8.4 Min: 6.1
3	38 inches	59 inches	fine sand	Not reported	Not reported	Max: 141 Min: 42	Max: 8.4 Min: 6.1

Soil Map ID: 9

Soil Component Name: GIBBON

Soil Surface Texture: silty clay loam

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

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 69 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	14 inches	silty clay loam	Not reported	Not reported	Max: 42 Min: 4	Max: 8.4 Min: 7.9

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	14 inches	35 inches	loam	Not reported	Not reported	Max: 42 Min: 4	Max: 8.4 Min: 7.9
3	35 inches	59 inches	stratified very fine sandy loam to silt loam	Not reported	Not reported	Max: 42 Min: 4	Max: 8.4 Min: 7.9

LOCAL / REGIONAL WATER AGENCY RECORDS

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

WELL SEARCH DISTANCE INFORMATION

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

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
15	USGS40000744266	1/2 - 1 Mile NNE
19	USGS40000744065	1/2 - 1 Mile South

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
11	NE3105301	1/4 - 1/2 Mile East

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

STATE DATABASE WELL INFORMATION

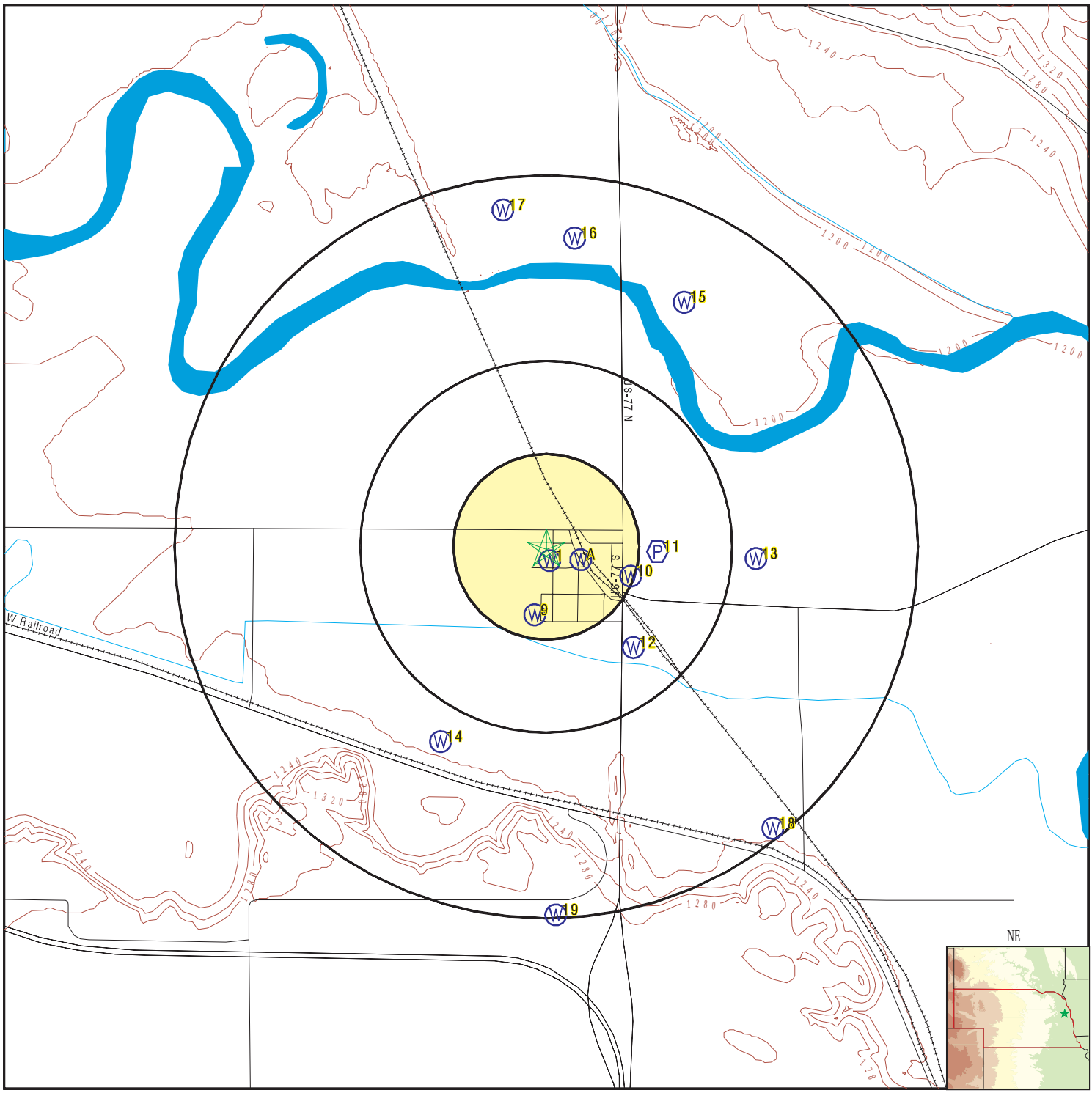
MAP ID	WELL ID	LOCATION FROM TP
1	NE8000000242200	0 - 1/8 Mile SSE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A2	NE8000000124895	0 - 1/8 Mile ESE
A3	NE8000000124894	0 - 1/8 Mile ESE
A4	NE8000000118499	0 - 1/8 Mile ESE
A5	NE8000000118501	0 - 1/8 Mile ESE
A6	NE8000000118500	0 - 1/8 Mile ESE
A7	NE8000000124897	0 - 1/8 Mile ESE
A8	NE8000000124896	0 - 1/8 Mile ESE
9	NE8000000212361	1/8 - 1/4 Mile South
10	NE8000000230839	1/8 - 1/4 Mile ESE
12	NE8000000151998	1/4 - 1/2 Mile SE
13	NE8000000128855	1/2 - 1 Mile East
14	NE8000000134745	1/2 - 1 Mile SSW
16	NE8000000112524	1/2 - 1 Mile North
17	NE8000000096837	1/2 - 1 Mile North
18	NE8000000143866	1/2 - 1 Mile SE

PHYSICAL SETTING SOURCE MAP - 7041632.2s



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

0 1/4 1/2 1 Miles

Groundwater Flow Direction
GI Indeterminate Groundwater Flow at Location
GV Groundwater Flow Varies at Location
Oil, gas or related wells

SITE NAME:	201 Elkhorn Ave	CLIENT:	Tetra Tech EMI
ADDRESS:	201 Elkhorn Ave Hooper NE 68031	CONTACT:	Kaitlyn Mitchell
		INQUIRY #:	7041632.2s
LAT/LONG:	41.610188 / 96.506079	DATE:	July 05, 2022 1:20 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database | EDR ID Number

1
SSE
0 - 1/8 Mile
Higher

NE WELLS **NE8000000242200**

Well ID:	259624	Registration Code:	G-188924
Well Status:	Active Registered Well	Well Use:	Domestic
Owner ID:	148247	NRD Name:	Lower Elkhorn
NRD Permit:	Not Reported	Acres Irrigated:	0
Series Type:	Single Project	Pump Rate (gal/min):	10
Column Diameter:	1	Pump Depth:	15
Well Depth:	25	Static Water Level:	7
Pumping Water Level:	7	Registration Date:	08-JAN-20
Completion Date:	06-SEP-19	Date Abandoned:	Not Reported

A2
ESE
0 - 1/8 Mile
Higher

NE WELLS **NE8000000124895**

Well ID:	130799	Registration Code:	G-109051B
Well Status:	Decommissioned Well	Well Use:	Monitoring (Ground Water Quality)
Owner ID:	50342	NRD Name:	Lower Elkhorn
NRD Permit:	Not Reported	Acres Irrigated:	0
Series Type:	Single Project	Pump Rate (gal/min):	0
Column Diameter:	0	Pump Depth:	0
Well Depth:	25	Static Water Level:	7
Pumping Water Level:	0	Registration Date:	23-FEB-01
Completion Date:	21-NOV-00	Date Abandoned:	01-NOV-02

A3
ESE
0 - 1/8 Mile
Higher

NE WELLS **NE8000000124894**

Well ID:	130798	Registration Code:	G-109051A
Well Status:	Decommissioned Well	Well Use:	Monitoring (Ground Water Quality)
Owner ID:	50342	NRD Name:	Lower Elkhorn
NRD Permit:	Not Reported	Acres Irrigated:	0
Series Type:	Single Project	Pump Rate (gal/min):	0
Column Diameter:	0	Pump Depth:	0
Well Depth:	15	Static Water Level:	7
Pumping Water Level:	0	Registration Date:	23-FEB-01
Completion Date:	21-NOV-00	Date Abandoned:	01-NOV-02

A4
ESE
0 - 1/8 Mile
Higher

NE WELLS **NE8000000118499**

Well ID:	123750	Registration Code:	G-104117A
Well Status:	Decommissioned Well	Well Use:	Monitoring (Ground Water Quality)
Owner ID:	50342	NRD Name:	Lower Elkhorn
NRD Permit:	Not Reported	Acres Irrigated:	0

Series Type:	Single Project	Pump Rate (gal/min):	0
Column Diameter:	0	Pump Depth:	0
Well Depth:	20	Static Water Level:	7
Pumping Water Level:	0	Registration Date:	18-FEB-00
Completion Date:	18-NOV-99	Date Abandoned:	01-NOV-02

A5
ESE **NE WELLS** **NE8000000118501**
0 - 1/8 Mile
Higher

Well ID:	123754	Registration Code:	G-104117C
Well Status:	Decommissioned Well	Well Use:	Monitoring (Ground Water Quality)
Owner ID:	50342	NRD Name:	Lower Elkhorn
NRD Permit:	Not Reported	Acres Irrigated:	0
Series Type:	Single Project	Pump Rate (gal/min):	0
Column Diameter:	0	Pump Depth:	0
Well Depth:	15	Static Water Level:	7
Pumping Water Level:	0	Registration Date:	18-FEB-00
Completion Date:	18-NOV-99	Date Abandoned:	01-NOV-02

A6
ESE **NE WELLS** **NE8000000118500**
0 - 1/8 Mile
Higher

Well ID:	123752	Registration Code:	G-104117B
Well Status:	Decommissioned Well	Well Use:	Monitoring (Ground Water Quality)
Owner ID:	50342	NRD Name:	Lower Elkhorn
NRD Permit:	Not Reported	Acres Irrigated:	0
Series Type:	Single Project	Pump Rate (gal/min):	0
Column Diameter:	0	Pump Depth:	0
Well Depth:	15	Static Water Level:	7
Pumping Water Level:	0	Registration Date:	18-FEB-00
Completion Date:	18-NOV-99	Date Abandoned:	01-NOV-02

A7
ESE **NE WELLS** **NE8000000124897**
0 - 1/8 Mile
Higher

Well ID:	130801	Registration Code:	G-109051D
Well Status:	Decommissioned Well	Well Use:	Monitoring (Ground Water Quality)
Owner ID:	50342	NRD Name:	Lower Elkhorn
NRD Permit:	Not Reported	Acres Irrigated:	0
Series Type:	Single Project	Pump Rate (gal/min):	0
Column Diameter:	0	Pump Depth:	0
Well Depth:	15	Static Water Level:	6
Pumping Water Level:	0	Registration Date:	23-FEB-01
Completion Date:	21-NOV-00	Date Abandoned:	01-NOV-02

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A8
ESE
0 - 1/8 Mile
Higher

NE WELLS **NE8000000124896**

Well ID:	130800	Registration Code:	G-109051C
Well Status:	Decommissioned Well	Well Use:	Monitoring (Ground Water Quality)
Owner ID:	50342	NRD Name:	Lower Elkhorn
NRD Permit:	Not Reported	Acres Irrigated:	0
Series Type:	Single Project	Pump Rate (gal/min):	0
Column Diameter:	0	Pump Depth:	0
Well Depth:	15	Static Water Level:	7
Pumping Water Level:	0	Registration Date:	23-FEB-01
Completion Date:	21-NOV-00	Date Abandoned:	01-NOV-02

9
South
1/8 - 1/4 Mile
Higher

NE WELLS **NE8000000212361**

Well ID:	226642	Registration Code:	G-168645
Well Status:	Active Registered Well	Well Use:	Domestic
Owner ID:	124622	NRD Name:	Lower Elkhorn
NRD Permit:	Not Reported	Acres Irrigated:	0
Series Type:	Single Project	Pump Rate (gal/min):	10
Column Diameter:	1	Pump Depth:	15
Well Depth:	27	Static Water Level:	4
Pumping Water Level:	11	Registration Date:	28-AUG-13
Completion Date:	21-JUN-13	Date Abandoned:	Not Reported

10
ESE
1/8 - 1/4 Mile
Higher

NE WELLS **NE8000000230839**

Well ID:	246770	Registration Code:	G-181753
Well Status:	Active Registered Well	Well Use:	Domestic
Owner ID:	136222	NRD Name:	Lower Elkhorn
NRD Permit:	Not Reported	Acres Irrigated:	0
Series Type:	Single Project	Pump Rate (gal/min):	10
Column Diameter:	1.25	Pump Depth:	20
Well Depth:	59	Static Water Level:	12
Pumping Water Level:	15	Registration Date:	20-JAN-17
Completion Date:	10-OCT-16	Date Abandoned:	Not Reported

11
East
1/4 - 1/2 Mile
Higher

FRDS PWS **NE3105301**

Epa region:	07	State:	NE
Pwsid:	NE3105301	Pwsname:	WINSLOW, VILLAGE OF
Cityserved:	Not Reported	Stateserved:	NE
Zipserved:	Not Reported	Fipscounty:	31053

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Status:	Active	Retpopsrvd:	110
Pwssvcconn:	43	Psource longname:	Purch_groundwater
Pwstype:	CWS	Owner:	Local_Govt
Contact:	JACOBSEN, JAY	Contactorgname:	JACOBSEN, JAY
Contactphone:	402-459-1138	Contactaddress1:	PO BOX 157
Contactaddress2:	Not Reported	Contactcity:	WINSLOW
Contactstate:	NE	Contactzip:	68072
Pwsactivitycode:	A		

PWS ID:	NE3105301	PWS name:	WINSLOW, VILLAGE OF
Address:	400 SOUTH	Care of:	BOX 203
City:	WINSLOW	State:	NE
Zip:	68072	Owner:	WINSLOW, VILLAGE OF
Source code:	Ground water	Population:	147

PWS ID:	NE3105301	PWS type:	Not Reported
PWS name:	Not Reported	PWS address:	Not Reported
PWS city:	Not Reported	PWS state:	Not Reported
PWS zip:	Not Reported	PWS name:	WINSLOW, VILLAGE OF
PWS type code:	C	Retail population served:	140
Contact:	KLEIN, ZACHARY	Contact address:	PO BOX 157
Contact address:	WINSLOW	Contact city:	NE
Contact state:	68	Contact zip:	402-654-35
Contact telephone:	Not Reported		

PWS ID:	NE3105301	Activity status:	Active
Date system activated:	Not Reported	Date system deactivated:	Not Reported
Retail population:	00000143	System name:	WINSLOW, VILLAGE OF
System address:	BOX 173	System city:	WINSLOW
System state:	NE	System zip:	68072

Population served:	101 - 500 Persons	Treatment:	Untreated

Latitude:	413633	Longitude:	0963015

State:	NE	Latitude degrees:	41
Latitude minutes:	36	Latitude seconds:	36.0000
Longitude degrees:	96	Longitude minutes:	30
Longitude seconds:	0.0000		

Violation id:	532900	Orig code:	S
State:	NE	Violation Year:	1999
Contamination code:	7000	Contamination Name:	Consumer Confidence Rule
Violation code:	71	Violation name:	CCR Complete Failure to Report
Rule code:	420	Rule name:	CCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	10/19/1999
Cmp edt:	Not Reported		

Violation id:	533002	Orig code:	S
State:	NE	Violation Year:	2002
Contamination code:	7000	Contamination Name:	Consumer Confidence Rule
Violation code:	71	Violation name:	CCR Complete Failure to Report
Rule code:	420	Rule name:	CCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2002
Cmp edt:	Not Reported		

Violation id:	533407	Orig code:	S
State:	NE	Violation Year:	2007
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	23	Violation name:	Monitoring, Routine Major (TCR)

Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	04/01/2007
Cmp edt:	04/30/2007		
Violation ID:	532900	Orig Code:	S
Enforcemnt FY:	2000	Enforcement Action:	05/04/2000
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	532900	Orig Code:	S
Enforcemnt FY:	2000	Enforcement Action:	02/16/2000
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		
Violation ID:	533002	Orig Code:	S
Enforcemnt FY:	2002	Enforcement Action:	08/21/2002
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		
Violation ID:	533002	Orig Code:	S
Enforcemnt FY:	2003	Enforcement Action:	11/01/2002
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	533407	Orig Code:	S
Enforcemnt FY:	2007	Enforcement Action:	06/04/2007
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	533407	Orig Code:	S
Enforcemnt FY:	2007	Enforcement Action:	05/08/2007
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		
Violation ID:	533407	Orig Code:	S
Enforcemnt FY:	2007	Enforcement Action:	05/08/2007
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
PWS name:	WINSLOW, VILLAGE OF	Population served:	140
PWS type code:	C	Violation ID:	532900
Contaminant:	7000	Violation type:	71
Compliance start date:	10/19/1999 0:00:00	Compliance end date:	5/4/2000 0:00:00
Enforcement date:	2/16/2000 0:00:00	Enforcement action:	State Violation/Reminder Notice
Violation measurement:	Not Reported		
PWS name:	WINSLOW, VILLAGE OF	Population served:	140
PWS type code:	C	Violation ID:	532900
Contaminant:	7000	Violation type:	71
Compliance start date:	10/19/1999 0:00:00	Compliance end date:	5/4/2000 0:00:00
Enforcement date:	5/4/2000 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		
PWS name:	WINSLOW, VILLAGE OF	Population served:	140
PWS type code:	C	Violation ID:	533002
Contaminant:	7000	Violation type:	71
Compliance start date:	7/1/2002 0:00:00	Compliance end date:	11/1/2002 0:00:00
Enforcement date:	11/1/2002 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		
PWS name:	WINSLOW, VILLAGE OF	Population served:	140
PWS type code:	C	Violation ID:	533002
Contaminant:	7000	Violation type:	71
Compliance start date:	7/1/2002 0:00:00	Compliance end date:	11/1/2002 0:00:00
Enforcement date:	8/21/2002 0:00:00	Enforcement action:	State Violation/Reminder Notice

Violation measurement:	Not Reported		
PWS name:	WINSLOW, VILLAGE OF	Population served:	140
PWS type code:	C	Violation ID:	533407
Contaminant:	COLIFORM (TCR)	Violation type:	Monitoring, Routine Major (TCR)
Compliance start date:	4/1/2007 0:00:00	Compliance end date:	4/30/2007 0:00:00
Enforcement date:	5/8/2007 0:00:00	Enforcement action:	State Violation/Reminder Notice
Violation measurement:	Not Reported		
PWS name:	WINSLOW, VILLAGE OF	Population served:	140
PWS type code:	C	Violation ID:	533407
Contaminant:	COLIFORM (TCR)	Violation type:	Monitoring, Routine Major (TCR)
Compliance start date:	4/1/2007 0:00:00	Compliance end date:	4/30/2007 0:00:00
Enforcement date:	5/8/2007 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		
PWS name:	WINSLOW, VILLAGE OF	Population served:	140
PWS type code:	C	Violation ID:	533407
Contaminant:	COLIFORM (TCR)	Violation type:	Monitoring, Routine Major (TCR)
Compliance start date:	4/1/2007 0:00:00	Compliance end date:	4/30/2007 0:00:00
Enforcement date:	6/4/2007 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

12
SE
1/4 - 1/2 Mile
Higher

NE WELLS **NE8000000151998**

Well ID:	162062	Registration Code:	G-129851
Well Status:	Active Registered Well	Well Use:	Domestic
Owner ID:	78674	NRD Name:	Lower Elkhorn
NRD Permit:	Not Reported	Acres Irrigated:	0
Series Type:	Single Project	Pump Rate (gal/min):	12
Column Diameter:	1.25	Pump Depth:	18
Well Depth:	26	Static Water Level:	4
Pumping Water Level:	10	Registration Date:	17-SEP-04
Completion Date:	14-MAY-04	Date Abandoned:	Not Reported

13
East
1/2 - 1 Mile
Higher

NE WELLS **NE8000000128855**

Well ID:	135541	Registration Code:	G-112496
Well Status:	Inactive Well (Well is not Pumping)	Well Use:	Domestic
Owner ID:	68562	NRD Name:	Lower Elkhorn
NRD Permit:	Not Reported	Acres Irrigated:	0
Series Type:	Single Project	Pump Rate (gal/min):	0
Column Diameter:	0	Pump Depth:	0
Well Depth:	142	Static Water Level:	25
Pumping Water Level:	40	Registration Date:	12-OCT-01
Completion Date:	10-AUG-01	Date Abandoned:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

14
SSW
1/2 - 1 Mile
Higher

NE WELLS **NE8000000134745**

Well ID:	142697	Registration Code:	G-117235
Well Status:	Active Registered Well	Well Use:	Domestic
Owner ID:	4585	NRD Name:	Lower Elkhorn
NRD Permit:	Not Reported	Acres Irrigated:	0
Series Type:	Single Project	Pump Rate (gal/min):	5
Column Diameter:	1.25	Pump Depth:	21
Well Depth:	29	Static Water Level:	5
Pumping Water Level:	12	Registration Date:	03-SEP-02
Completion Date:	08-JUL-02	Date Abandoned:	Not Reported

15
NNE
1/2 - 1 Mile
Higher

FED USGS **USGS40000744266**

Organization ID:	USGS-NE	Organization Name:	USGS Nebraska Water Science Center
Monitor Location:	19N 8E14BC 1	Type:	Well
Description:	Not Reported	HUC:	10220003
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Alluvial aquifers	Formation Type:	Sand and Gravel Deposits
Aquifer Type:	Not Reported	Construction Date:	19300101
Well Depth:	22	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

---

16
North
1/2 - 1 Mile
Higher

NE WELLS **NE8000000112524**

Well ID:	117753	Registration Code:	G-100273
Well Status:	Active Registered Well	Well Use:	Domestic
Owner ID:	62507	NRD Name:	Lower Elkhorn
NRD Permit:	Not Reported	Acres Irrigated:	0
Series Type:	Single Project	Pump Rate (gal/min):	10
Column Diameter:	1	Pump Depth:	20
Well Depth:	38	Static Water Level:	12
Pumping Water Level:	18	Registration Date:	19-APR-99
Completion Date:	01-OCT-98	Date Abandoned:	Not Reported

17
North
1/2 - 1 Mile
Higher

NE WELLS **NE8000000096837**

Well ID:	99571	Registration Code:	G-087689
Well Status:	Active Registered Well	Well Use:	Irrigation
Owner ID:	55371	NRD Name:	Lower Elkhorn
NRD Permit:	Not Reported	Acres Irrigated:	62

Series Type:	Single Project	Pump Rate (gal/min):	1000
Column Diameter:	6	Pump Depth:	80
Well Depth:	300	Static Water Level:	0
Pumping Water Level:	50	Registration Date:	15-APR-96
Completion Date:	15-MAR-96	Date Abandoned:	Not Reported

18
SE
1/2 - 1 Mile
Higher

NE WELLS **NE8000000143866**

Well ID:	152419	Registration Code:	G-124138
Well Status:	Active Registered Well	Well Use:	Irrigation
Owner ID:	73824	NRD Name:	Lower Elkhorn
NRD Permit:	03126	Acres Irrigated:	9
Series Type:	Single Project	Pump Rate (gal/min):	100
Column Diameter:	3	Pump Depth:	32
Well Depth:	40	Static Water Level:	8
Pumping Water Level:	28	Registration Date:	30-OCT-03
Completion Date:	02-OCT-03	Date Abandoned:	Not Reported

19
South
1/2 - 1 Mile
Higher

FED USGS **USGS40000744065**

Organization ID:	USGS-NE	Organization Name:	USGS Nebraska Water Science Center
Monitor Location:	19N 8E27AABB1	Type:	Well
Description:	Not Reported	HUC:	10220003
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Alluvial aquifers	Formation Type:	Sand and Gravel Deposits
Aquifer Type:	Not Reported	Construction Date:	19040101
Well Depth:	90	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

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
34	6.5	21	62%	18.0

Federal EPA Radon Zone for DODGE County: 1

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

Federal Area Radon Information for Zip Code: 68031

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	Not Reported	Not Reported	Not Reported	Not Reported
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	1.800 pCi/L	100%	0%	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^{R} 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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201 Elkhorn Ave
201 Elkhorn Ave
Hooper, NE 68031

Inquiry Number: 7041632.2s
July 7, 2022

EDR Vapor Encroachment Screen

Prepared using EDR's Vapor Encroachment Worksheet

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TABLE OF CONTENTS

SECTION	PAGE
Executive Summary	**ES1**
Primary Map	**2**
Secondary Map	**3**
Map Findings	**4**
Record Sources and Currency	**GR-1**

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by EDR. The report was designed to assist parties seeking to meet the search requirements of the ASTM Standard Practice for Assessment of Vapor Encroachment into Structures on Property Involved in Real Estate Transactions (E 2600).

STANDARD ENVIRONMENTAL RECORDS	Default Area of Concern (Miles)*	property	1/10	> 1/10
Lists of Federal NPL (Superfund) sites	1.0	0	0	0
Lists of Federal Delisted NPL sites	1.0	0	0	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders	0.5	0	0	0
Lists of Federal CERCLA sites with NFRAP	0.5	0	0	0
Lists of Federal RCRA facilities undergoing Corrective Action	1.0	0	0	0
Lists of Federal RCRA TSD facilities	0.5	0	0	0
Lists of Federal RCRA generators	0.25	0	0	0
Federal institutional controls / engineering controls registries	0.5	0	0	0
Federal ERNS list	property	0	-	-
Lists of state- and tribal (Superfund) equivalent sites	not searched	-	-	-
Lists of state- and tribal hazardous waste facilities	1.0	0	0	0
Lists of state and tribal landfills and solid waste disposal facilities	0.5	0	0	0
Lists of state and tribal leaking storage tanks	0.5	0	0	0
Lists of state and tribal registered storage tanks	0.25	0	0	0
State and tribal institutional control / engineering control registries	0.5	0	0	0
Lists of state and tribal voluntary cleanup sites	0.5	0	0	0
Lists of state and tribal brownfield sites	0.5	0	0	0

ADDITIONAL ENVIRONMENTAL RECORDS				
Local Brownfield lists	0.5	0	0	0
Local Lists of Landfill / Solid Waste Disposal Sites	0.5	0	0	0
Local Lists of Hazardous waste / Contaminated Sites	0.5	0	0	0
Local Lists of Registered Storage Tanks	0.25	0	0	0
Local Land Records	property	0	-	-
Records of Emergency Release Reports	property	0	-	-
Other Ascertainable Records	1.0	0	0	0

EDR HIGH RISK HISTORICAL RECORDS				
EDR Exclusive Records	1.0	0	0	0
Exclusive Recovered Govt. Archives	property	0	-	-

EXECUTIVE SUMMARY

EDR RECOVERED GOVERNMENT ARCHIVES

EDR Exclusive Records	1.0	0	0	0
Exclusive Recovered Govt. Archives	property	0	-	-

*The Default Area of Concern may be adjusted by the environmental professional using experience and professional judgement. Each category may include several databases, and each database may have a different distance. A list of individual databases is provided at the back of this report.

EXECUTIVE SUMMARY

TARGET PROPERTY INFORMATION

ADDRESS

201 ELKHORN AVE
201 ELKHORN AVE
HOOPER, NE 68031

COORDINATES

Latitude (North):	41.610188 - 41° 36′ 36.67511″
Longitude (West):	96.506079 - 96° 30′ 21.890259″
Elevation:	1210 ft. above sea level

EXECUTIVE SUMMARY

SEARCH RESULTS

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

STANDARD ENVIRONMENTAL RECORDS

Name	Address	Dist/Dir	Map ID	Page

Not Reported

ADDITIONAL ENVIRONMENTAL RECORDS

Name	Address	Dist/Dir	Map ID	Page

Not Reported

EDR HIGH RISK HISTORICAL RECORDS

Name	Address	Dist/Dir	Map ID	Page

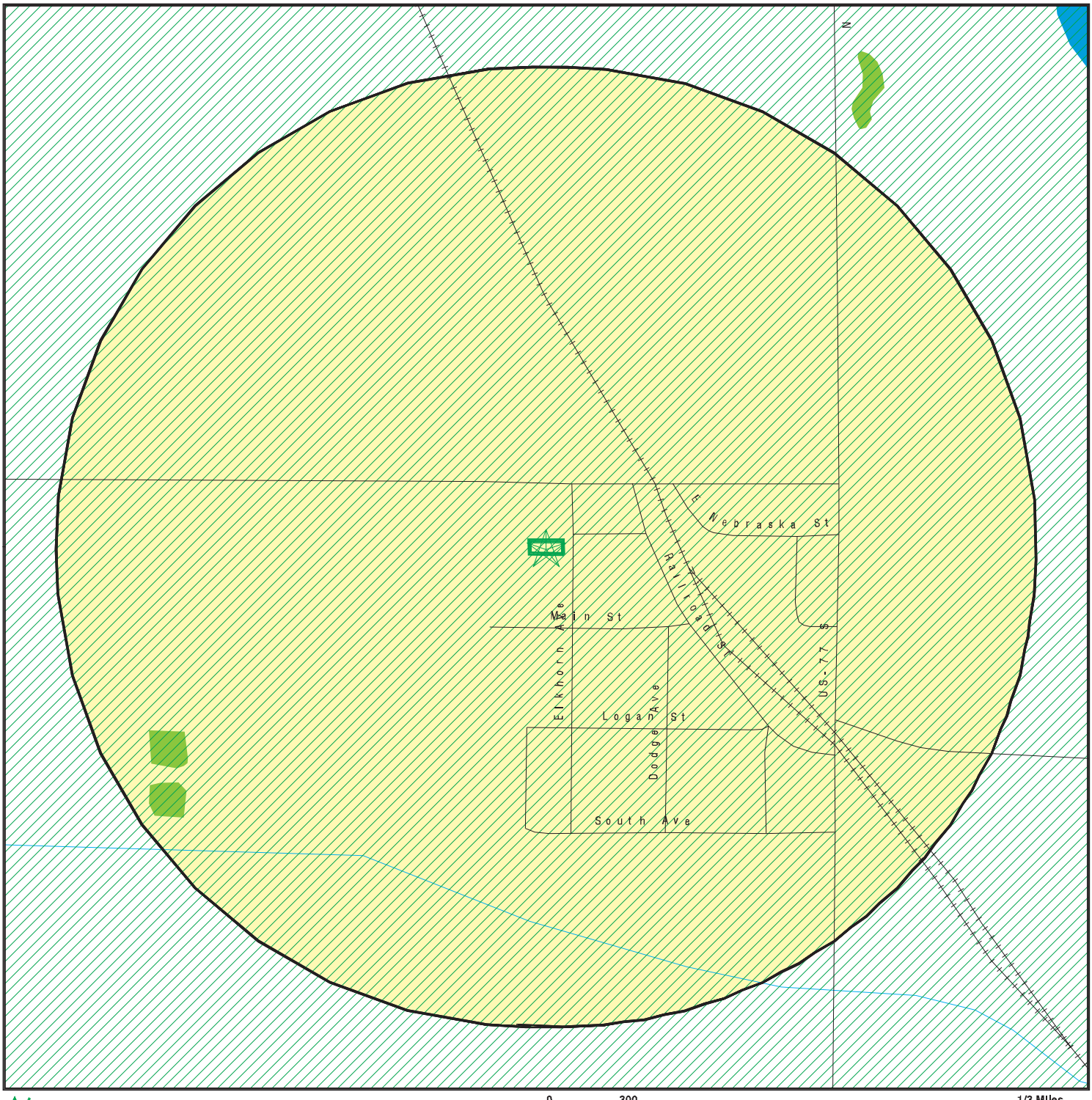
Not Reported

EDR RECOVERED GOVERNMENT ARCHIVES

Name	Address	Dist/Dir	Map ID	Page

Not Reported

PRIMARY MAP - 7041632.2S



- 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
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- 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: 201 Elkhorn Ave ADDRESS: 201 Elkhorn Ave Hooper NE 68031 LAT/LONG: 41.610188 / 96.506079	CLIENT: Tetra Tech EMI CONTACT: Kaitlyn Mitchell INQUIRY #: 7041632.2s DATE: July 05, 2022 1:19 pm

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SECONDARY MAP - 7041632.2S

- 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

0 1/3 1/2 1 Miles

- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Upgradient Area

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: 201 Elkhorn Ave ADDRESS: 201 Elkhorn Ave Hooper NE 68031 LAT/LONG: 41.610188 / 96.506079	CLIENT: Tetra Tech EMI CONTACT: Kaitlyn Mitchell INQUIRY #: 7041632.2s DATE: July 05, 2022 1:18 pm

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MAP FINDINGS

LEGEND

FACILITY NAME **FACILITY ADDRESS, CITY, ST, ZIP**			EDR SITE ID NUMBER
◆ **MAP ID#**	Direction Distance Range Relative Elevation	(Distance feet / miles) Feet Above Sea Level	ASTM 2600 Record Sources found in this report. Each database searched has been assigned to one or more categories. For detailed information about categorization, see the section of the report Records Searched and Currency.

Worksheet:

Comments:

Comments may be added on the online Vapor Encroachment Worksheet.

DATABASE ACRONYM: Applicable categories (A hoverbox with database description).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
ENVIRONMENTAL RECORDS						
Federal NPL site list						
US	NPL	National Priority List	EPA	04/27/2022	05/05/2022	05/31/2022
US	Proposed NPL	Proposed National Priority List Sites	EPA	04/27/2022	05/05/2022	05/31/2022
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
Federal CERCLIS list						
US	SEMS	Superfund Enterprise Management System	EPA	04/27/2022	05/05/2022	05/31/2022
Federal RCRA CORRACTS facilities list						
US	CORRACTS	Corrective Action Report	EPA	06/20/2022	06/21/2022	06/28/2022
Federal RCRA TSD facilities list						
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	06/20/2022	06/21/2022	06/28/2022
Federal RCRA generators list						
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	06/20/2022	06/21/2022	06/28/2022
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	06/20/2022	06/21/2022	06/28/2022
US	RCRA-VSQG	RCRA - Very Small Quantity Generators (Formerly Conditionall	Environmental Protection Agency	06/20/2022	06/21/2022	06/28/2022
Federal institutional controls / engineering controls registries						
US	LUCIS	Land Use Control Information System	Department of the Navy	02/08/2022	02/11/2022	05/10/2022
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	02/21/2022	02/23/2022	05/24/2022
US	US INST CONTROLS	Institutional Controls Sites List	Environmental Protection Agency	02/21/2022	02/23/2022	05/24/2022
Federal ERNS list						
US	ERNS	Emergency Response Notification System	National Response Center, United States Coast	06/14/2022	06/15/2022	06/21/2022
State and tribal - equivalent CERCLIS						
NE	SHWS	Superfund State Program List	Dept. of Environmental Quality	03/14/2022	03/15/2022	06/07/2022
State and tribal landfill / solid waste disposal						
NE	SWF/LF	Licensed Landfill List	Department of Environmental Quality	03/14/2022	03/15/2022	06/08/2022
State and tribal leaking storage tank lists						
NE	LUST	Leaking Underground Storage Tank Sites	Department of Environmental Quality	04/05/2022	04/06/2022	06/29/2022
NE	LAST	Leaking Aboveground Storage Tank Sites	Department of Environmental Quality	04/05/2022	04/06/2022	06/29/2022
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	10/12/2021	11/15/2021	02/08/2022
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	10/12/2021	11/15/2021	02/08/2022
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	10/12/2021	11/15/2021	02/08/2022
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	10/12/2021	11/15/2021	02/08/2022
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	10/12/2021	11/15/2021	02/08/2022
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	04/28/2021	06/11/2021	09/07/2021
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	05/28/2021	06/22/2021	09/20/2021
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	10/12/2021	11/15/2021	02/08/2022

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
State and tribal registered storage tank lists						
NE	UST	Facility and Tank Data	Nebraska State Fire Marshal	12/17/2021	01/26/2022	04/20/2022
NE	AST	AST Data	State Fire Marshal	03/07/2022	03/10/2022	06/07/2022
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	05/28/2021	06/22/2021	09/20/2021
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	10/12/2021	11/15/2021	02/08/2022
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	10/12/2021	11/15/2021	02/08/2022
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	10/12/2021	11/15/2021	02/08/2022
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	10/12/2021	11/15/2021	02/08/2022
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	10/14/2021	11/15/2021	02/08/2022
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	04/06/2021	06/11/2021	09/07/2021
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	10/12/2021	11/15/2021	02/08/2022
US	FEMA UST	Underground Storage Tank Listing	FEMA	10/14/2021	11/05/2021	02/01/2022
State and tribal institutional control / engineering control registries						
NE	INST CONTROL	Nebraska's Institutional Control Registry	Department of Environmental Quality	03/15/2021	03/23/2021	06/14/2021
State and tribal voluntary cleanup sites						
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016
NE	VCP	RAPMA Sites	Department of Environmental Quality	03/15/2021	03/23/2021	06/14/2021
US	INDIAN VCP R7	Voluntary Cleanup Priority Lisitng	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
State and tribal Brownfields sites						
NE	BROWNFIELDS	Potential Brownfields Inventory Listing	Department of Environmental Quality	03/14/2022	03/15/2022	06/07/2022
Other Records						
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	12/31/2021	01/14/2022	03/25/2022
US	ROD	Records Of Decision	EPA	04/27/2022	05/05/2022	05/31/2022
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	04/27/2022	05/05/2022	05/31/2022
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009
NE	SWRCY	Recycling Resource Directory	Department of Environmental Quality	03/02/2022	03/02/2022	05/27/2022
NE	HIST UST	Underground Storage Tank Database Listing	State Fire Marshal	02/28/2005	09/01/2006	10/11/2006
NE	HIST AST	Aboveground Storage Tank Database Listing	State Fire Marshal	10/19/2004	09/01/2006	10/11/2006
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	02/22/2022	02/23/2022	05/10/2022
US	COAL ASH DOE	Steam-Electric Plant Operation Data	Department of Energy	12/31/2020	11/30/2021	02/22/2022
US	FUSRAP	Formerly Utilized Sites Remedial Action Program	Department of Energy	07/26/2021	07/27/2021	10/22/2021
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	09/30/2017	05/08/2018	07/20/2018
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	04/27/2022	05/05/2022	05/31/2022
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	01/12/2017	03/05/2019	11/11/2019
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	EPA WATCH LIST	EPA WATCH LIST	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (	EPA	10/12/2016	10/26/2016	02/03/2017
US	US AIRS MINOR	Air Facility System Data	EPA	10/12/2016	10/26/2016	02/03/2017
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	03/21/2022	03/21/2022	06/14/2022
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	09/13/2019	11/06/2019	02/10/2020
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	01/01/2017	02/03/2017	04/07/2017
US	Delisted NPL	National Priority List Deletions	EPA	04/27/2022	05/05/2022	05/31/2022

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	04/27/2022	05/05/2022	05/31/2022
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	Environmental Protection Agency	06/20/2022	06/21/2022	06/28/2022
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	03/21/2022	03/21/2022	06/14/2022
US	DOT OPS	Incident and Accident Data	Department of Transporation, Office of Pipeli	01/02/2020	01/28/2020	04/17/2020
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	02/22/2022	02/23/2022	05/10/2022
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	02/23/2022	03/10/2022	03/10/2022
US	DOD	Department of Defense Sites	USGS	06/07/2021	07/13/2021	03/09/2022
US	FEDLAND	Federal and Indian Lands	U.S. Geological Survey	04/02/2018	04/11/2018	11/06/2019
US	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	12/01/2021	02/15/2022	05/10/2022
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	08/30/2019	11/15/2019	01/28/2020
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	02/01/2022	02/23/2022	05/24/2022
US	MINES VIOLATIONS	MSHA Violation Assessment Data	DOL, Mine Safety & Health Admi	03/21/2022	03/22/2022	03/25/2022
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	USGS	05/06/2020	05/27/2020	08/13/2020
US	US MINES 3	Active Mines & Mineral Plants Database Listing	USGS	04/14/2011	06/08/2011	09/13/2011
US	PRP	Potentially Responsible Parties	EPA	01/25/2022	02/03/2022	02/25/2022
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2018	08/14/2020	11/04/2020
US	TSCA	Toxic Substances Control Act	EPA	12/31/2016	06/17/2020	09/10/2020
US	FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA/Office of Prevention, Pesticides and Toxi	04/09/2009	04/16/2009	05/11/2009
US	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA	04/09/2009	04/16/2009	05/11/2009
US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	SSTS	Section 7 Tracking Systems	EPA	01/19/2022	01/19/2022	04/11/2022
US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	11/18/2016	11/23/2016	02/10/2017
US	PADS	PCB Activity Database System	EPA	01/20/2022	01/20/2022	03/25/2022
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	03/11/2022	03/15/2022	06/14/2022
US	RADINFO	Radiation Information Database	Environmental Protection Agency	07/01/2019	07/01/2019	09/23/2019
US	FINDS	Facility Index System/Facility Registry System	EPA	05/13/2022	05/18/2022	05/31/2022
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RMP	Risk Management Plans	Environmental Protection Agency	04/27/2022	05/04/2022	05/10/2022
US	BRS	Biennial Reporting System	EPA/NTIS	12/31/2019	03/02/2022	03/25/2022
US	PWS	Public Water System Data	EPA	12/17/2013	01/09/2014	10/15/2014
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2014	07/14/2015	01/10/2017
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
US	IHS OPEN DUMPS	Open Dumps on Indian Land	Department of Health & Human Serivces, Indian	04/01/2014	08/06/2014	01/29/2015
US	ABANDONED MINES	Abandoned Mines	Department of Interior	03/10/2022	03/10/2022	06/14/2022
NE	AIRS	Air State Program List	Department of Environmental Quality	03/14/2022	03/15/2022	06/07/2022
NE	ASBESTOS	Asbestos Notification Listing	Department of Health & Human Services	01/31/2022	02/01/2022	04/20/2022
NE	DRYCLEANERS	Drycleaner Facility Listing	Department of Environmental Quality	03/14/2022	03/15/2022	06/07/2022
NE	Financial Assurance	Financial Assurance Information Listing	Department of Environmental Quality	12/01/2021	12/13/2021	03/02/2022
NE	NPDES	Wastewater Database Listing	Department of Environmental Quality	02/25/2022	02/28/2022	03/09/2022
NE	SPILLS	Surface Spill List	Department of Environmental Quality	04/05/2022	04/06/2022	06/29/2022
NE	SPILLS 80	SPILLS80 data from FirstSearch	FirstSearch	04/15/2003	01/03/2013	03/06/2013
NE	SPILLS 90	SPILLS90 data from FirstSearch	FirstSearch	10/09/2012	01/03/2013	03/06/2013
NE	TIER 2	Tier 2 Facility Listing	Department of Environmental Quality	12/31/2020	06/01/2021	08/23/2021
NE	UIC	Undergound Injection Control Database	Department of Environmental Quality	01/25/2022	01/26/2022	04/20/2022
US	MINES MRDS	Mineral Resources Data System	USGS	04/06/2018	10/21/2019	10/24/2019

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	UXO	Unexploded Ordnance Sites	Department of Defense	12/31/2020	01/11/2022	02/14/2022
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	04/02/2022	04/05/2022	06/28/2022
US	FEDERAL FACILITY	Federal Facility Site Information listing	Environmental Protection Agency	05/25/2021	06/24/2021	09/20/2021
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	02/17/2022	02/17/2022	05/10/2022
US	DOCKET HWC	Hazardous Waste Compliance Docket Listing	Environmental Protection Agency	05/06/2021	05/21/2021	08/11/2021
NE	PFAS	PFAS Site Contamination Listing	Department of Environment & Energy	06/30/2017	02/07/2020	03/11/2020

HISTORICAL USE RECORDS

US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
US	EDR Hist Auto	EDR Exclusive Historical Auto Stations	EDR, Inc.			
US	EDR Hist Cleaner	EDR Exclusive Historical Cleaners	EDR, Inc.			
NE	RGA HWS	Recovered Government Archive State Hazardous Waste Facilitie	Department of Environmental Quality		07/01/2013	01/03/2014
NE	RGA LUST	Recovered Government Archive Leaking Underground Storage Tan	Department of Environmental Quality		07/01/2013	01/03/2014

STREET AND ADDRESS INFORMATION

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APPENDIX F

HISTORICAL USE DOCUMENTATION

APPENDIX F-1

CHAIN-OF-TITLE RECORDS

NEBRASKA TITLE COMPANY
SERVICE BEYOND EXPECTATION

LIMITED TITLE REPORT

FILE NO: 0299949A

TO: Tetra Tech
Macy La Masney

Nebraska Title Company, authorized to engage in the business of abstracting in the State of Nebraska under Certificate of Authority No. 716, hereby certifies that the records of Dodge County, Nebraska have been carefully examined with reference to the following described property, and from such examination finds as follows:

LEGAL DESCRIPTION:

Lot One (1) and the North 20 feet of Lot Two (2), Block Five (5), Village of Winslow, in Dodge County, Nebraska;

Address: , , NE

GRANTEE IN LAST DEED OF RECORD:

Murray Property Management, LLC, a Nebraska Limited Liability Company

CHAIN OF TITLE PLAT FORWARD:

Plat of Winslow recorded March 19, 1906 in Book G, Page 195; records of Dodge County, Nebraska

Warranty Deed from Sioux City Ashland Development Company to Bernard Monnich recorded October 1, 1907 in Book 33, Page 344; records of Dodge County, Nebraska

Warranty Deed from Bernard Monnich and Barbara Monnich husband and wife to John Pfeffer recorded June 21, 1911 in Book 39, Page 76; records of Dodge County, Nebraska

Warranty Deed from John A. Pfeffer unmarried to J. Howard Heine recorded June 21, 1911 in Book 37, Page 527; records of Dodge County, Nebraska

Warranty Deed from J. Howard Heine and Julia Heine husband & wife to William J. Brandert recorded June 21, 1911 in Book 39, Page 77; records of Dodge County, Nebraska

Warranty Deed from Bernard Monnich and Barbara Monnich husband and wife to William Brandert recorded October 26, 1911 in Book 39, Page 236; records of Dodge County, Nebraska

Warranty Deed from William Brandert and Annie Brandert his wife to Andrew D. O'Brien recorded November 20, 1914 in Book 42, Page 466; records of Dodge County, Nebraska

Warranty Deed from Andrew D. O'Brien and May O'Brien, his wife to Otto E. Rohrke recorded March 17, 1915 in Book 43, Page 125; records of Dodge County, Nebraska

Warranty Deed from Otto E. Rohrke and Wilhelmena Rohrke his wife to I. Nightengale recorded June 25, 1915 in Book 44, Page 77; records of Dodge County, Nebraska

Warranty Deed from I. Nightingale and Lillie Nightingale his wife to Henry Schmidt recorded July 15, 1915 in Book 44, Page 94; records of Dodge County, Nebraska

Warranty Deed from Henry Schmidt and Anna Schmidt, husband and wife to Mrs. Anna Schmidt recorded August 10, 1940 in Book 77, Page 223; records of Dodge County, Nebraska

Warranty Deed from Meta Schurman and Fred Schurman, wife and husband to Henry Schmidt recorded October 14, 1952 in Book 99, Page 584; records of Dodge County, Nebraska

Warranty Deed from Otto H. Schmidt and Ruth Schmidt, husband and wife to Henry Schmidt recorded October 14, 1952 in Book 99, Page 585; records of Dodge County, Nebraska

Warranty Deed from Mary Schmidt Hineline, a widow to Henry Schmidt recorded October 14, 1952 in Book 99, Page 586; records of Dodge County, Nebraska

Final Decree for the Estate of Anna Martha Maria Schmidt, Deceased recorded February 16, 1953 in Book 100, Page 369; records of Dodge County, Nebraska

Warranty Deed from Henry Schmidt, widower to Meta Schurman and Fred Schurman, wife and husband recorded June 25, 1957 in Book 113, Page 137; records of Dodge County, Nebraska

Warranty Deed from Meta Schurman and Fred Schurman, Wife and Husband to N. Frank Acker and Erma H. Acker recorded March 21, 1966 in Book 145, Page 433; records of Dodge County, Nebraska

Warranty Deed from N. Frank Acker & Erma H. Acker to Leonard Klattenhoff recorded December 11, 1967 in Book 151, Page 399; records of Dodge County, Nebraska

Survivorship Warranty Deed from Leonard Klattenhoff and Hattie Klattenhoff, Husband and Wife to Leonard Klattenhoff and Hattie Klattenhoff recorded May 15, 1975 in Book 170, Page 604; records of Dodge County, Nebraska

Joint Tenancy Warranty Deed from Leonard Klattenhoff and Hattie Klattenhoff, Husband and Wife to Rex Watts and Elizabeth Watts, Husband and Wife recorded March 22, 1977 in Book 175, Page 133; records of Dodge County, Nebraska

Quit Claim Deed from Rex Watts and/or Elizabeth Watts to Elizabeth Watts recorded April 30, 1985 in Book 189, Page 741; records of Dodge County, Nebraska

Warranty Deed from Elizabeth A. Watts, single to Eddie J. Newill recorded November 10, 1992 in Book 223, Page 520; records of Dodge County, Nebraska

Warranty Deed from Eddie J. Newill, a single person to Alexander T. Harvey recorded September 29,1995 in Book 243, Page 817; records of Dodge County, Nebraska

Quitclaim Deed from Alexander T. Harvey and Deborah K. Harvey to Harvey Phelps, LLC recorded August 17, 1998 in Book 1998, Page 5226; records of Dodge County, Nebraska

Warranty Deed from Harvey Phelps, LLC, a Nebraska Limited Liability Company to Murray Property Management, LLC, a Nebraska Limited Liability Company recorded October 13, 2016 as Inst. No. 201604900; records of Dodge County, Nebraska

UNRELEASED LIENS OF RECORD:

None of Record

JUDGMENTS OR TRANSCRIPTS OF JUDGMENTS:

None of Record

TAXES/ASSESSMENTS:

2020 and all prior years - paid in full
2021 in the amount of $50.42 - Half Paid
Second Half Taxes due September 1, 2022.
Parcel ID No.: 270074963
Assessed Value: $1,185.00

EASEMENTS AND RESTRICTIONS OF RECORD:

None of Record

Effective Date: July 18, 2022 at 8:00 am

Nebraska Title Company

By
Registered Abstracter

Please direct inquiries to: Shalonn Zach

NOTE: THIS IS AN INFORMATIONAL TITLE REPORT

This report is not a guarantee or warranty of title, nor is it an abstract of title, nor is this a commitment to provide, nor does it provide title insurance. Liability hereunder is expressly limited to the sum of $1,000.00.

APPENDIX F-2

PROPERTY TAX MAP REPORT

201 Elkhorn Ave
201 Elkhorn Ave
Hooper, NE 68031

Inquiry Number: 7041632.6
July 05, 2022

The EDR Property Tax Map Report

EDR® Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

EDR Property Tax Map Report

Environmental Data Resources, Inc.'s EDR Property Tax Map Report is designed to assist environmental professionals in evaluating potential environmental conditions on a target property by understanding property boundaries and other characteristics. The report includes a search of available property tax maps, which include information on boundaries for the target property and neighboring properties, addresses, parcel identification numbers, as well as other data typically used in property location and identification.

NO COVERAGE

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

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APPENDIX F-3

BUILDING PERMIT REPORT

201 Elkhorn Ave
201 Elkhorn Ave
Hooper, NE 68031

Inquiry Number: 7041632.8
July 05, 2022

EDR Building Permit Report

Target Property and Adjoining Properties

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

EDR Building Permit Report: Search Documentation

7/05/22

Site Name:
201 Elkhorn Ave
201 Elkhorn Ave
Hooper, NE 68031

EDR Inquiry # 7041632.8

Client Name:
Tetra Tech EMI
415 Oak Street
Kansas City, MO 64106

Contact: Kaitlyn Mitchell

Search Documentation

DATA GAP

The complete collection of Building Permit data available to EDR has been searched, and as of 7/05/22, EDR does not have access to building permits in the city where your target property is located (Hooper, NE).

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EDR BUILDING PERMIT REPORT

About This Report

The EDR Building Permit Report provides a practical and efficient method to search building department records for indications of environmental conditions. Generated via a search of municipal building permit records gathered from more than 1,600 cities nationwide, this report will assist you in meeting the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

Building permit data can be used to identify current and/or former operations and structures/features of environmental concern. The data can provide information on a target property and adjoining properties such as the presence of underground storage tanks, pump islands, sumps, drywells, etc., as well as information regarding water, sewer, natural gas, electrical connection dates, and current/former septic tanks.

ASTM and EPA Requirements

ASTM E 1527-13 lists building department records as a "standard historical source," as detailed in § 8.3.4.7: "Building Department Records - The term building department records means those records of the local government in which the property is located indicating permission of the local government to construct, alter, or demolish improvements on the property." ASTM also states that "Uses in the area surrounding the property shall be identified in the report, but this task is required only to the extent that this information is revealed in the course of researching the property itself."

EPA's Standards and Practices for All Appropriate Inquires (AAI) states: "§312.24: Reviews of historical sources of information. (a) Historical documents and records must be reviewed for the purposes of achieving the objectives and performance factors of §312.20(e) and (f). Historical documents and records may include, but are not limited to, aerial photographs, fire insurance maps, building department records, chain of title documents, and land use records."

Methodology

EDR has developed the EDR Building Permit Report through our partnership with BuildFax, the nation's largest repository of building department records. BuildFax collects, updates, and manages building department records from local municipal governments. The database now includes 30 million permits, on more than 10 million properties across 1,600 cities in the United States.

The EDR Building Permit Report comprises local municipal building permit records, gathered directly from local jurisdictions, including both target property and adjoining properties. Years of coverage vary by municipality. Data reported includes (where available): date of permit, permit type, permit number, status, valuation, contractor company, contractor name, and description.

Incoming permit data is checked at seven stages in a regimented quality control process, from initial data source interview, to data preparation, through final auditing. To ensure the building department is accurate, each of the seven quality control stages contains, on average, 15 additional quality checks, resulting in a process of approximately 105 quality control "touch points."

For more information about the EDR Building Permit Report, please contact your EDR Account Executive at (800) 352-0050.

EDR® Environmental Data Resources Inc

BUILD FAX PROPERTY HISTORY

APPENDIX F-4

HISTORICAL AERIAL PHOTOGRAPHS

201 Elkhorn Ave

201 Elkhorn Ave

Hooper, NE 68031

Inquiry Number: 7041632.11

July 07, 2022

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

07/07/22

Site Name:

201 Elkhorn Ave
201 Elkhorn Ave
Hooper, NE 68031
EDR Inquiry # 7041632.11

Client Name:

Tetra Tech EMI
415 Oak Street
Kansas City, MO 64106
Contact: Kaitlyn Mitchell

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:

Year	Scale	Details	Source
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1999	1"=500'	Acquisition Date: January 01, 1999	USGS/DOQQ
1994	1"=500'	Acquisition Date: January 01, 1994	USGS/DOQQ
1981	1"=500'	Flight Date: May 14, 1981	USGS
1965	1"=500'	Flight Date: April 29, 1965	USGS
1952	1"=500'	Flight Date: April 02, 1952	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 #: 7041632.11
YEAR: 2016
= 500'
N
EDR

INQUIRY #: 7041632.11
YEAR: 2012
= 500'
N
EDR

INQUIRY #: 7041632.11

YEAR: 2009

= 500'

N

EDR

INQUIRY #: 7041632.11

YEAR: 2006

= 500'

N

EDR

INQUIRY #: 7041632.11

YEAR: 1999

= 500'

N

EDR

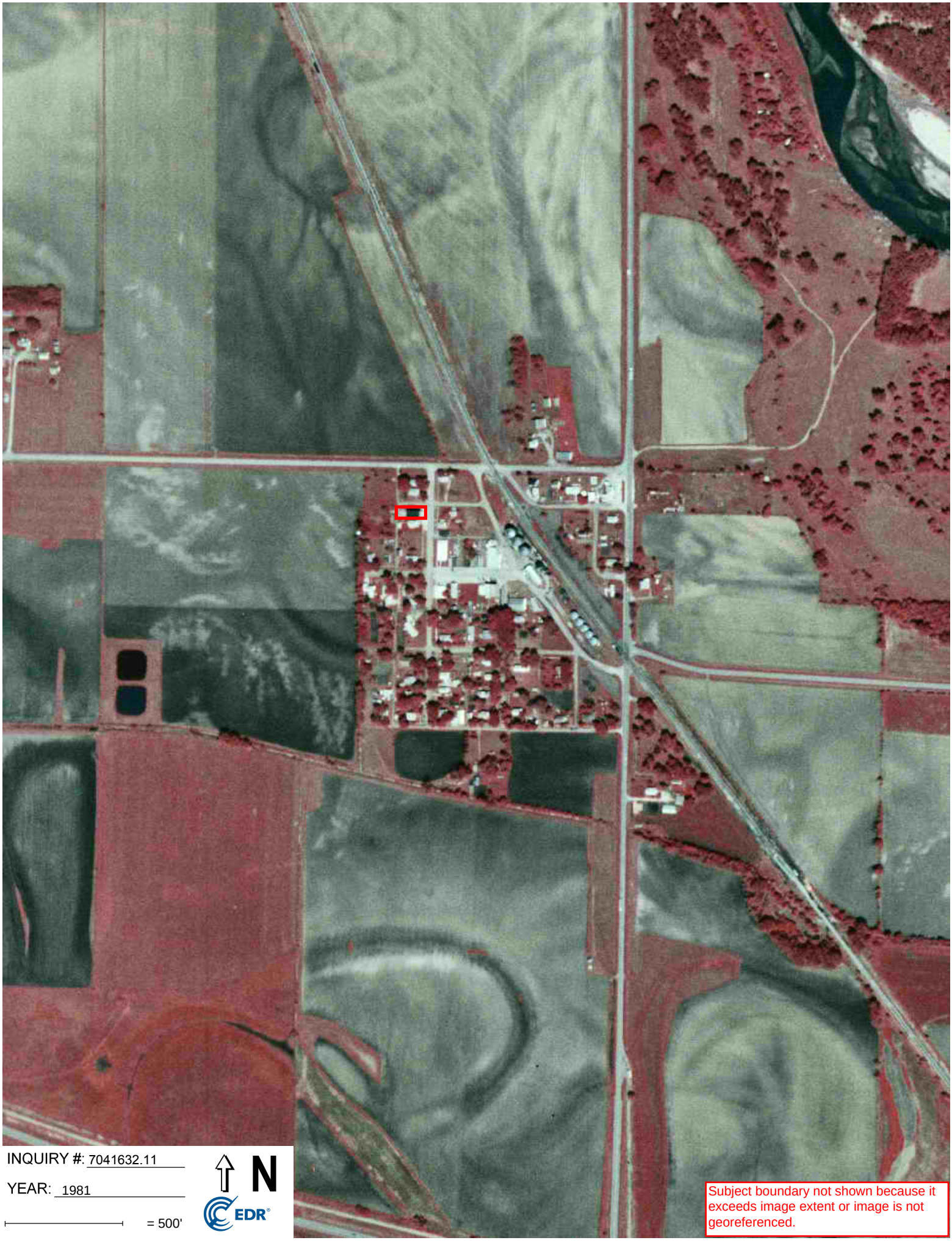
INQUIRY #: 7041632.11

YEAR: 1994

= 500'

N

EDR



INQUIRY #: 7041632.11

YEAR: 1981

= 500'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.

INQUIRY #: 7041632.11

YEAR: 1965

= 500'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.

INQUIRY #: 7041632.11

YEAR: 1952

= 500'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.

APPENDIX F-5

HISTORICAL SANBORN FIRE INSURANCE MAPS

201 Elkhorn Ave

201 Elkhorn Ave

Hooper, NE 68031

Inquiry Number: 7041632.3

July 05, 2022

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

07/05/22

Site Name:	Client Name:
201 Elkhorn Ave	Tetra Tech EMI
201 Elkhorn Ave	415 Oak Street
Hooper, NE 68031	Kansas City, MO 64106
EDR Inquiry # 7041632.3	Contact: Kaitlyn Mitchell

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.

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 # 3926-4F37-82DB

PO # 103G65210190.13.01

Project Village of Winslow

UNMAPPED PROPERTY

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

Sanborn® Library search results

Certification #: 3926-4F37-82DB

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-6

HISTORICAL TOPOGRAPHIC MAPS

201 Elkhorn Ave

201 Elkhorn Ave

Hooper, NE 68031

Inquiry Number: 7041632.4

July 05, 2022

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

07/05/22

Site Name:

201 Elkhorn Ave
201 Elkhorn Ave
Hooper, NE 68031
EDR Inquiry # 7041632.4

Client Name:

Tetra Tech EMI
415 Oak Street
Kansas City, MO 64106
Contact: Kaitlyn Mitchell

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. EDRs 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:

P.O.# 103G65210190.13.01

Project: Village of Winslow

Coordinates:

Latitude:	41.610188 41° 36' 37" North
Longitude:	-96.506079 -96° 30' 22" West
UTM Zone:	Zone 14 North
UTM X Meters:	707804.21
UTM Y Meters:	4609501.58
Elevation:	1210.00' above sea level

Maps Provided:

2017
2014
1966

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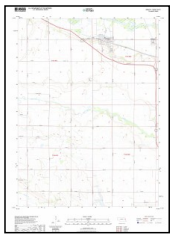
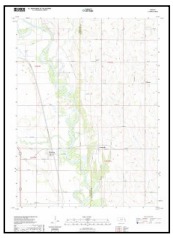
Topo Sheet Key

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

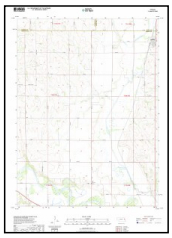
2017 Source Sheets



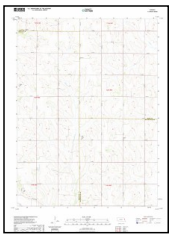
Hooper
2017
7.5-minute, 24000



Nickerson
2017
7.5-minute, 24000

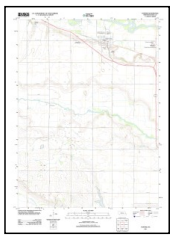


Uehling
2017
7.5-minute, 24000

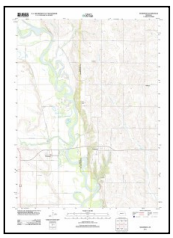


Nickerson NW
2017
7.5-minute, 24000

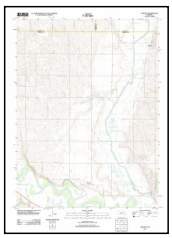
2014 Source Sheets



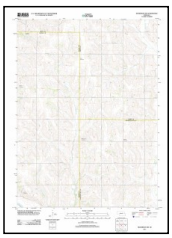
Hooper
2014
7.5-minute, 24000



Nickerson
2014
7.5-minute, 24000



Uehling
2014
7.5-minute, 24000



Nickerson NW
2014
7.5-minute, 24000

1966 Source Sheets

Uehling
1966
7.5-minute, 24000
Aerial Photo Revised 1965

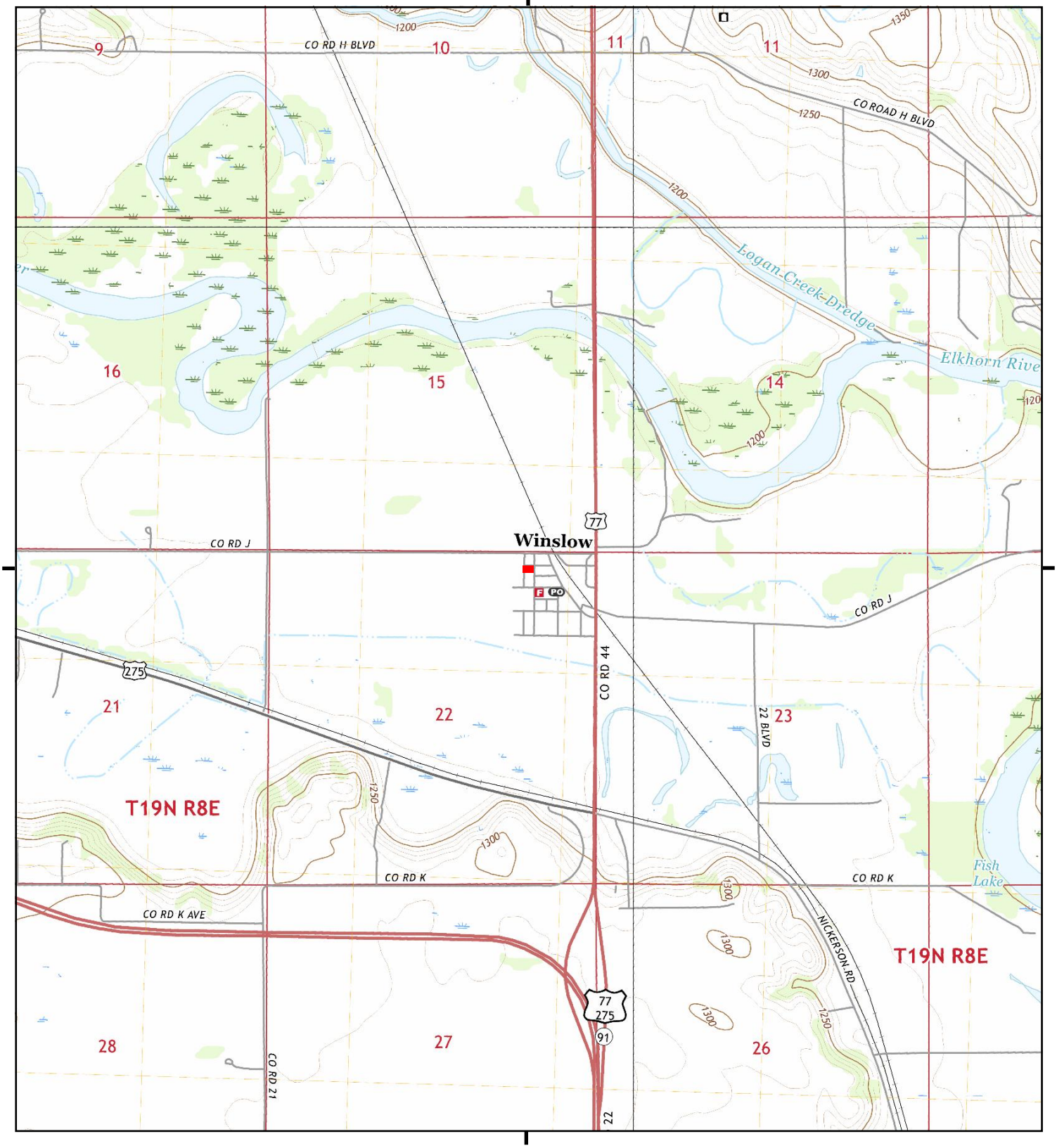
Hooper
1966
7.5-minute, 24000
Aerial Photo Revised 1965

Nickerson
1966
7.5-minute, 24000
Aerial Photo Revised 1965

Nickerson NW
1966
7.5-minute, 24000
Aerial Photo Revised 1965

Historical Topo Map

2017



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

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

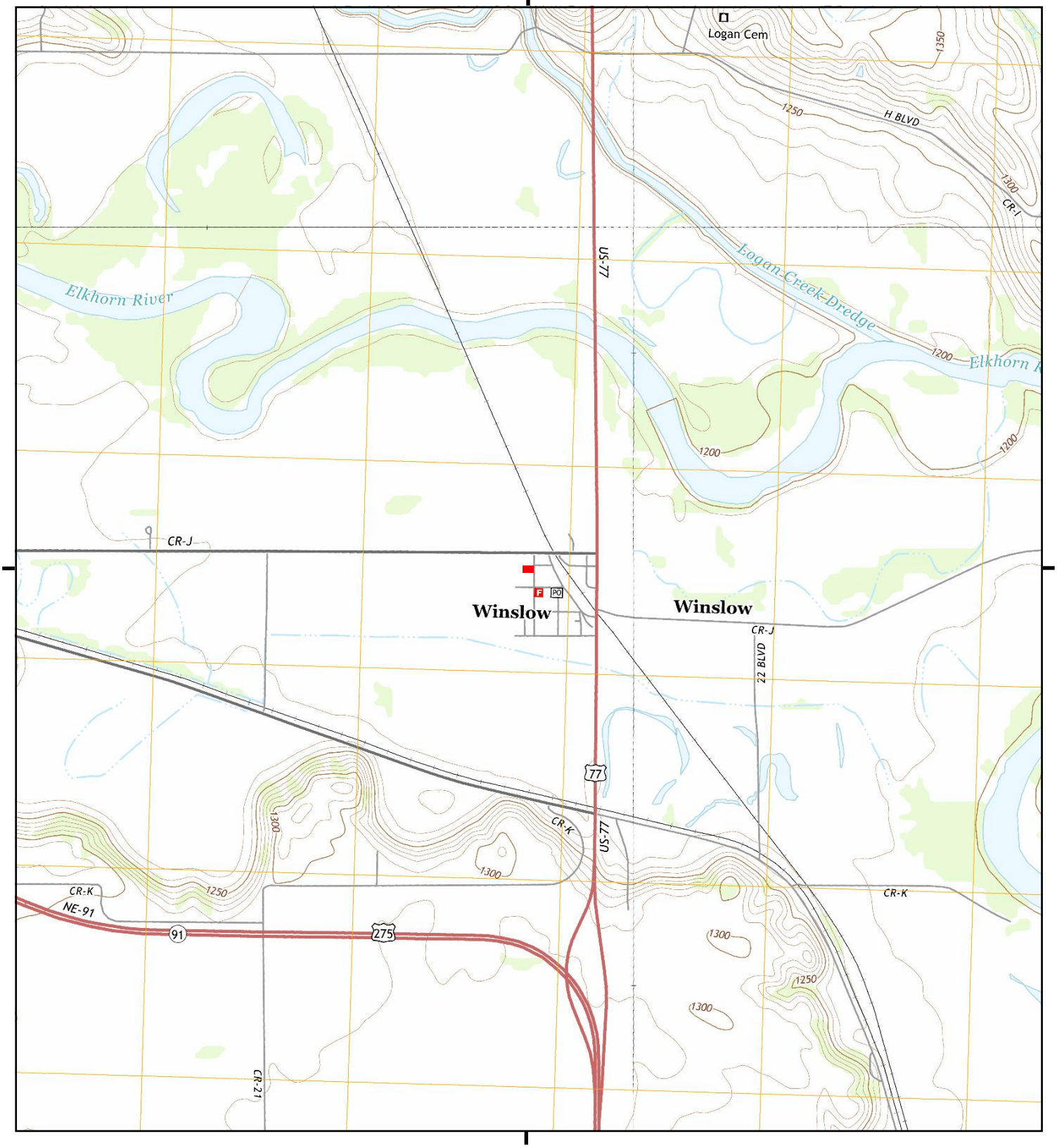
TP, Hooper, 2017, 7.5-minute
NE, Nickerson NW, 2017, 7.5-minute
SE, Nickerson, 2017, 7.5-minute
NW, Uehling, 2017, 7.5-minute

SITE NAME: 201 Elkhorn Ave
ADDRESS: 201 Elkhorn Ave
Hooper, NE 68031
CLIENT: Tetra Tech EMI

N

Historical Topo Map

2014



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

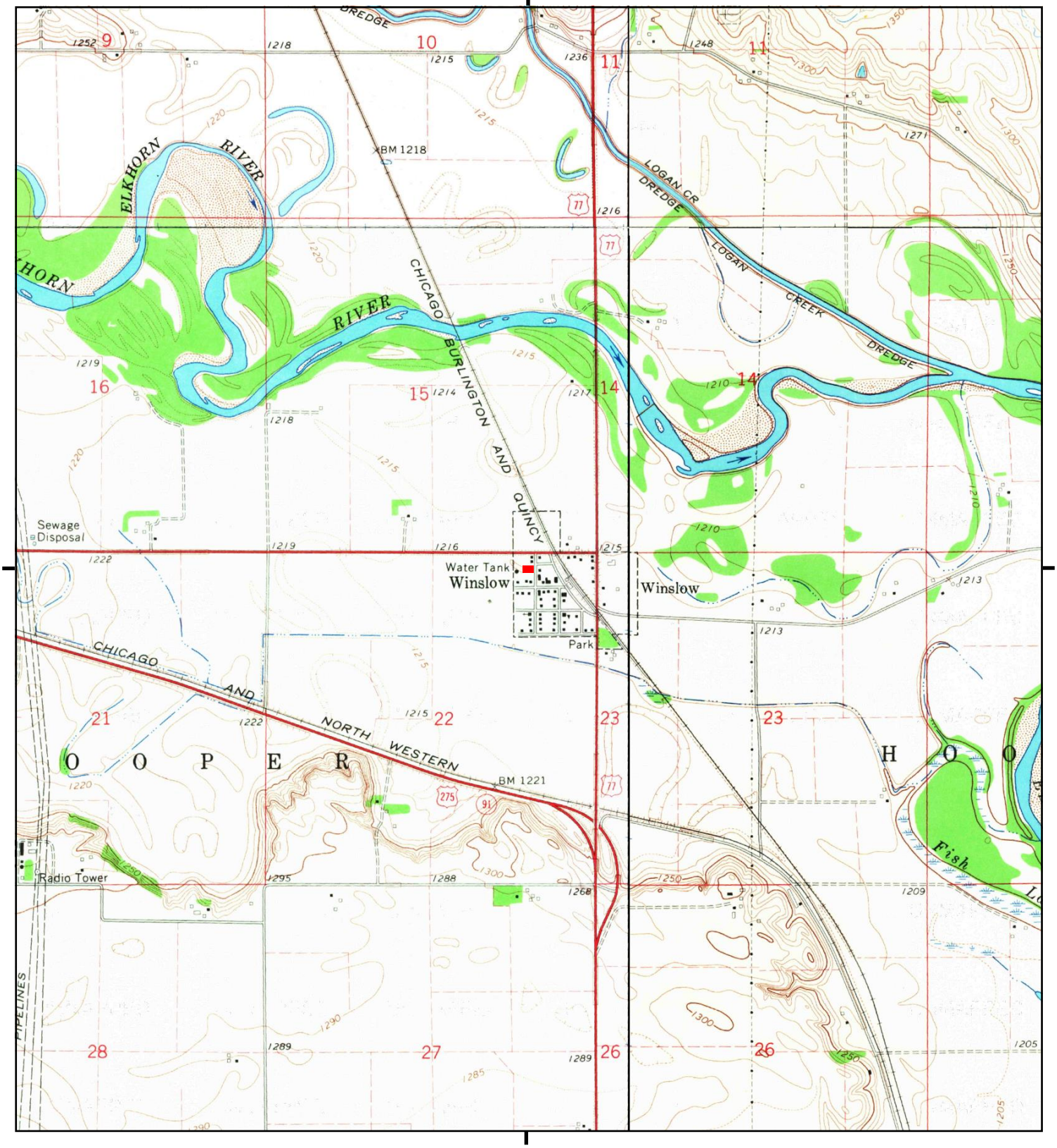
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Hooper, 2014, 7.5-minute
NE, Nickerson NW, 2014, 7.5-minute
SE, Nickerson, 2014, 7.5-minute
NW, Uehling, 2014, 7.5-minute

SITE NAME: 201 Elkhorn Ave
ADDRESS: 201 Elkhorn Ave
Hooper, NE 68031
CLIENT: Tetra Tech EMI

N



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

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Hooper, 1966, 7.5-minute
NE, Nickerson NW, 1966, 7.5-minute
SE, Nickerson, 1966, 7.5-minute
NW, Uehling, 1966, 7.5-minute

SITE NAME: 201 Elkhorn Ave
ADDRESS: 201 Elkhorn Ave
Hooper, NE 68031
CLIENT: Tetra Tech EMI

N

APPENDIX F-7

HISTORICAL CITY DIRECTORY SEARCH

201 Elkhorn Ave
201 Elkhorn Ave
Hooper, NE 68031

Inquiry Number: 7041632.5
July 06, 2022

The EDR-City Directory Image Report

EDR® Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

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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.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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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.

Year	*Target Street*	*Cross Street*	*Source*
2017	☐	☐	EDR Digital Archive
2014	☑	☐	EDR Digital Archive
2010	☑	☐	EDR Digital Archive
2005	☑	☐	EDR Digital Archive
2000	☑	☐	EDR Digital Archive
1995	☐	☐	EDR Digital Archive
1992	☐	☐	EDR Digital Archive

FINDINGS

TARGET PROPERTY STREET

201 Elkhorn Ave
Hooper, NE 68031

Year	CD Image	Source	
ELKHORN			
2000	pg A4	EDR Digital Archive	
ELKHORN AVE			
2017	-	EDR Digital Archive	Street not listed in Source
2014	pg A1	EDR Digital Archive	
2010	pg A2	EDR Digital Archive	
2005	pg A3	EDR Digital Archive	
1995	-	EDR Digital Archive	Street not listed in Source
1992	-	EDR Digital Archive	Street not listed in Source

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

ELKHORN AVE 2014

102 DORFMEYER, REACH

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

ELKHORN AVE 2010

102 DORFMEYER, RICHARD M

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

ELKHORN AVE 2005

308 BECHTEL, ROBERT D

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

ELKHORN 2000

101 BELAK, ANTHONY

APPENDIX G

RESUMES

TETRA TECH

Kaitlyn Mitchell

Project Manager/Environmental Scientist

EXPERIENCE SUMMARY

Ms. Mitchell is an Environmental Scientist with twelve years of experience managing projects and providing technical support for clients in the government and private sectors. Major area of expertise includes Phase I and II ESAs; National Environmental Policy Act (NEPA) reporting; hazardous materials surveys including asbestos, lead, mold, and household hazardous waste; demolition and abatement contractor oversight. Project management in these areas includes, managing multiple project sites simultaneously; overseeing field teams; technical report preparation; environmental field sampling; quality control and quality assurance for environmental field work; and client communication. Ms. Mitchell has worked for over a decade on brownfield sites throughout EPA Region 7 under various federal, state, and municipal contracts. Ms. Mitchell has participated in emergency response training for the EPA dealing with chemical, biological and radiological agents. Ms. Mitchell has also worked extensively on creating proposals and cost estimates to finalize time critical submittals.

EDUCATION

M.E., Project Management, University of Kansas, 2017

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 and Missouri.

OFFICE

Kansas City, MO

YEARS OF EXPERIENCE

12

CONTACT

816-412-1742

RELEVANT EXPERIENCE

Environmental Analysis and Permitting

Unified Government (UG) Brownfields Assessment Grant Program – Kansas City, Kansas. 12/22/2014 to Present - Ms. Mitchell is the Program Manager for the “One-KC Bi-State Grant” program administered by the UG. To date, Tetra Tech has completed ESAs at dozens of sites, ranging from small single building commercial sites to area-wide assessments covering city blocks and dozens of structures. The assessments included Phase I and II ESAs, hazardous materials assessments (including ACM, LBP/LCM, PCB, and other hazardous materials), UST assessment and removal, and PCAs. For each site, a QAPP was developed and approved by EPA. Coordination with end users, UG officials, EPA, and KDHE was necessary for project success. As Program Manager, Ms. Mitchell provides critical communication with the client, has written and reviewed the final deliverables, and participated in community outreach seminars and meetings to work with stakeholders on various redevelopment plans under the contract.

REPA Targeted Brownfields Assessment Program – EPA Region 7. 2019 to Present - Ms. Mitchell is the Project Manager for the REPA 6 Zone III Target Brownfields Assessment program for EPA Region 7. Tetra Tech will complete Phase I and II ESAs, hazardous materials assessments (including ACM, LBP/LCM, PCB, and other hazardous materials), UST assessment and removal, and ABCAs. For each site, a QAPP will be developed and approved by EPA. Coordination with end users, community stakeholders, EPA, and KDHE will be necessary for project success. As Program Manager, Ms. Mitchell provides critical communication with the client, has written and reviewed the final deliverables, and participated in community outreach seminars and meetings to work with stakeholders on various redevelopment plans under the contract.

Kansas City, Missouri On-Call Environmental Services Contract – Kansas City, Missouri. 2014 to Present

Ms. Mitchell is the Project Manager for the "One-KC Bi-State Grant" program administered by city of Kansas City, Missouri (KCMO). To date, Tetra Tech has completed ESAs at dozens of sites, ranging from small single building commercial sites to area-wide assessments covering city blocks and dozens of structures. The assessments included Phase I and II ESAs, hazardous materials assessments (including ACM, LBP/LCM, PCB, and other hazardous materials), UST assessment and removal, and PCAs. For each site, a QAPP was developed and approved by EPA. Coordination with end users, KCMO officials, EPA, and KDHE was necessary for project success. As Project Manager, Ms. Mitchell provides critical communication with the client, has written and reviewed the final deliverables, and participated in community outreach seminars and meetings to work with stakeholders on various redevelopment plans under the contract.

Phase I Environmental Site Assessment, Verizon Wireless. Ms. Mitchell 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. Mitchell 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. Mitchell'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. Mitchell prepared multiple Phase I ESA reports for Martin Marietta Materials in Colorado as part of a property acquisition. Ms. Mitchell'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. Mitchell 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 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. Mitchell 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. Mitchell 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. Mitchell 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. Mitchell 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. Mitchell 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.

Unified Government of Wyandotte County, Kansas, Targeted Brownfields Assessment Grant Program – Kansas City, Kansas. Ms. Mitchell is the Program Manager for the Targeted Brownfield Assessment "One-KC Bi-State Grant" program administered by the Unified Government of Wyandotte County, Kansas. To date, Tetra Tech has completed ESA at over a dozen sites, ranging from small single building commercial sites, to large multi-block projects covering dozens of structures. The ESAs included Phase I and II, hazardous materials assessments (asbestos, LBP, PCBs and other hazardous materials), UST assessment and removal and property condition assessments. For each site Quality Assurance Project Plan (QAPP) were developed and approved by the EPA, and coordination with end users, County officials, the EPA and the Kansas Department of Health and Environment was necessary for project success. As Program Manager, Ms. Mitchell provides critical communication with the client and has written and reviewed the final deliverables required for the contract.

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. Mitchell 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 was 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. Mitchell 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.

Spill Prevention Control and Countermeasures Plan (SPCC) Support, Kansas Army National Guard – Adjutant General, Armory and Field Maintenance Facilities Across Kansas, 2016-2018

Ms. Mitchell prepared draft and final SPCC plans consistent with the requirements as outlined in 40 Code of Federal Regulations (CFR) Section 112 for 13 armory and field maintenance facilities throughout Kansas. As part of this activity, Ms. Mitchell conducted site visits to identify all regulated storage units, collect information on all secondary containment structures and their capacities, and an inventory of all materials regulated under 40CFR 112.

Hazardous Materials Surveys

Environmental Assessment Services, Flood Damaged Homes – Cedar Rapids, Iowa. Ms. Mitchell is licensed in the state of Iowa as an asbestos inspector. Ms. Mitchell completed asbestos surveys, mold identification and household hazardous waste identification on approximately 1,000 flood damaged homes in the Cedar Rapids, Iowa area. Ms. Mitchell 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. Mitchell 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. Mitchell is licensed in the state of Missouri as an asbestos inspector. Ms. Mitchell 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. Mitchell is licensed in the state of Missouri as an asbestos inspector. Ms. Mitchell 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. Mitchell 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. Mitchell 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. Mitchell 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. Mitchell 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. Mitchell is licensed in the state of Kansas as an asbestos inspector. He acted as an asbestos inspector for the contract. Ms. Mitchell 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. Mitchell provided critical communication with the client.

KCMO Schools, Targeted Brownfields Assessment – Kansas City, Kansas

Ms. Mitchell is licensed in the state of Missouri as an asbestos inspector. She acted as an asbestos inspector for the contract. Ms. Mitchell 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. Mitchell 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. Mitchell is licensed in the state of Missouri as an asbestos inspector. She provided technical services for the contract. Ms. Mitchell 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. Mitchell 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, 63rd and Prospect Redevelopment Area, Kansas City, Missouri (2013-2014)

Ms. Mitchell conducted asbestos inspections at over 100 former residential parcels in the 63rd and Prospect Redevelopment area. Tasks included obtaining soil samples, cataloguing household hazardous waste, and verifying parcel locations with a land survey. In addition, Ms. Mitchell 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. Mitchell 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. Mitchell consolidated all the findings from the assessment into a report deliverable, which included sample results, interpretation, recommendations, and detailed figures. Ms. Mitchell 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. Mitchell assists the Program Manager, providing critical communication with the client and providing guidance in following all regulatory guidelines for the project. Ms. Mitchell also directs field sampling teams collecting asbestos and lead based paint samples. She also assists with writing and reviewing the final deliverables required for the contract.

Kipapa Tunnels Munitions Response Site Asbestos Surveys, Mililani, Hawaii, U.S. Army Corps of Engineers (USACE), Huntsville Division. Ms. Mitchell served as an asbestos inspector for this project. The USACE completed a remedial investigation/feasibility study for 80 storage tunnels that were formerly used by the U.S. Army to store chemical agent, munitions, ordnance, and other hazardous/toxic waste. Many of the storage tunnels have been sealed and inaccessible for over 30 years. She served as field team member and assisted with sampling activities in Level C PPE over a period of approximately 6 months. During the project 909 bulk asbestos samples, 573 dust samples (via microvac), and 21 asbestos in soil/IDW samples were collected. Ms. Mitchell assisted in writing the final asbestos survey summary report that was incorporated into the remedial investigation report.

Stormwater Management

Stormwater Compliance Inspections, Kansas City Phase I, Phase II, and Lee's Summit Pipeline Replacement Project, Missouri Gas Energy, 2013-present

Ms. Mitchell is currently involved in assisting Missouri Gas Energy with maintaining compliance for erosion control along East 107th 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. Mitchell is currently involved in assisting Ford with maintaining compliance for erosion control and stormwater protection at Ford's Stamping Plant in Liberty, Missouri. Ms. Mitchell 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.

Stormwater Pollution Prevention Plan, KMW Limited, Various Kansas Locations, 2015-2018

Ms. Mitchell is the project manager for stormwater pollution prevention plan (SWPPP) projects for KMW plants located in Sterling, Great Bend, and Lyons, Kansas. Ms. Mitchell performs the yearly SWPPP inspections and updates the SWPPPs for each facility. She also assists the Sterling, Kansas facility with facilitating and reporting pretreatment monitoring requirements to the Kansas Department of Health and Environment on a quarterly basis.

ADDITIONAL EXPERIENCE

MS Excel, MS Word, MS Outlook, MS PowerPoint, and ArcGIS

EMPLOYMENT HISTORY

2010 - Present	Environmental Scientist, Tetra Tech, Kansas City, Missouri

TETRA TECH

Heather K. Wood, PG, LEEP AP
Project Manager

EXPERIENCE SUMMARY

Ms. Wood has a master's degree in geology and more than 20 years of consulting experience, including 17 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. Ms. Wood currently manages the Iowa hazardous waste inspection task order on the REPA contract, worth more than $1.5M over multiple contracts. She has overseen 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. For more than 13 years, Ms. Wood has conducted hazardous waste inspections on behalf EPA Region 7 at facilities that generate, treat, store, or dispose of hazardous waste, including both permitted TSDF and generator facilities across Iowa. Facilities were inspected to assess compliance with Federal and permit hazardous waste, used oil, and universal waste regulations and included metal finishers, including platers; paint, ag chem, and pharmaceutical formulators; heavy equipment and vehicle manufacturers; foundries; universities; hospitals; used oil, scrap metal, and solvent recyclers; and nuclear and coal-fired power plants. Ms. Wood reviews EPA files to prepare for site visit; interviews owners, operators, and facility representatives; and observes and documents facility operations, with a focus on waste management practices. Ms. Wood prepares reports of potential violations for EPA review. During select inspections, Ms. Wood collects 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.

EDUCATION

M.S., Geology, University of Kansas, 2001

B.A., History, Trinity University, 1991

AREAS OF EXPERTISE

Regulatory Compliance and Permitting

Project Management

RCRA and Hazardous Waste Management

Site Assessment/Due Diligence

REGISTRATIONS/ AFFILIATIONS

RG, Missouri (#2007006640)

PG, Nebraska (#G-0414)

LEED AP

KEY TRAINING/ CERTIFICATIONS

40-hour OSHA HAZWOPER with 8-hour Refreshers

CPR and Standard First Aid

Credentialed EPA inspector

HAZWOPER Supervisor

EPA Confidential Business Information Training

Project Management 2

NETI Hazardous Waste Inspector

USUS Sensitive Clearance

OFFICE

Kansas City, Missouri

YEARS OF EXPERIENCE

21

CONTACT

816-412-1768

Hazardous Waste Checklist Revisions, EPA Region 7. Because of the implementation of the Hazardous Waste Generator Improvement Rule, EPA required new inspection checklists for Iowa, which has a federally administered hazardous waste program. Ms. Wood researched the new regulations, which became effective at the federal level in May 2017, and updated the inspection checklists to include the new requirements. She also streamlined and reorganized the existing checklists to more accurately reflect the actual inspection process. These checklists were approved, with no revisions, and are currently in use by all contract and EPA staff inspectors in EPA Region 7.

Permit Writing, EPA Region 2. Under the REPA contract, Ms. Wood prepared a draft hazardous waste storage permit for a hazardous waste collection facility in Puerto Rico. The facility included two container storage areas and a recycling system for nonhazardous spent mineral spirits solvents. Ms. Wood reviewed hazardous waste regulations, the effective permit (last updated in 2000), and the application submitted by the facility. She also collected other effective permits for similar facilities to use as a template. The permit included both storage and corrective action sections.

Field Sampling and XRF Analysis, Colorado Smelter, EPA Region 8. As a subcontractor to a firm supporting EPA Region 8, Tetra Tech has provided field team members for a large remedial investigation at the former Colorado Smelter site in Pueblo, Colorado, source for lead and arsenic contamination in soil in residential neighborhoods. Field Team Leader for soil and indoor dust sampling efforts. Participates in all phases of investigation from sample collection, preparation of samples for analysis, and analysis of samples using a Niton X-Ray Fluorescence (XRF) instrument.

Remedial Site Evaluations, Navajo Nation Abandoned Uranium Mines, EPA Region 9. Under the Response, Assessment and Evaluation Services (RAES) contract, Tetra Tech is supporting a wide range of activities in the Navajo Nation to address contamination derived from abandoned uranium mine (AUM) and uranium ore processing sites. Ms. Wood participated in the development of the work plan for a remedial site evaluation (RSE) of 39 AUMs and 33 other non-AUM targets in Apache County, Arizona. Wrote a data gap analysis compiling historical mining, reclamation, and investigation documents. Wrote and reviewed site-specific field sampling plans for each of the AUM and non-AUM Targets.

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 documentation to establish levels and kinds of contamination, analyzed intensity and types of human exposures, and evaluated available groundwater gradient information. 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 Iowa 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.

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.

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 intended 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.

Private Client Experience

Compliance Support, Remediation Trust, Nevada. Ms. Wood serves as the hazardous waste coordinator for a large (~$800M), state-trustee bankruptcy trust remediation of a former chemical manufacturing site in EPA Region 9 that includes groundwater treatment, source removal, pilot testing, and demolition of dangerous buildings. Hazardous and nonhazardous wastes generated at the site include contaminated soil, groundwater, and construction and demolition debris; explosives residue; investigation-derived waste (IDW), including purge water, development water, and drill cuttings; remediation-derived waste, including decontaminated solid waste and filter cake; and lab packs for off-specification and lab pack wastes; and universal waste (lamps), used oil, and PCB-containing ballasts. Some wastes have had ignitable, reactive, and toxic characteristics. Ms. Wood prepared a comprehensive hazardous waste management plan for the site that outlined waste management, waste minimization, and waste characterization procedures for all these waste streams. She conducted annual/refresher hazardous waste training for a team of as many as 13 people. She reviews and develops waste characterization memoranda, waste profiles, and land disposal restriction forms for all hazardous wastes and for any nonhazardous wastes generated within the contamination footprint. She reviews draft and final hazardous waste manifests for completeness and accuracy. She conducts site audits to review compliance with regulatory and project management requirements and has assisted the client during two hazardous waste inspections conducted by the state. No findings resulted from either inspection for activities during Ms. Wood's tenure on the project.

Phase I Environmental Site Assessment (ESA) Reports, Telecommunications Client, Multiple States. As part of a single large acquisition, Tetra Tech's client required the completion of 31 Phase I ESAs in a single month. Ms. Wood oversaw the preparation of the reports by a team of more than 25 authors and field personnel over 10 states. She prepared a template for use by all authors. She also reviewed each report for technical

adequacy, compliance with the ASTM International standard, and specific client requirements. She also ensured that each report had a consistent voice, regardless of the author.

Permitting and Compliance Assistance, Railroad Signaling Company, Missouri and Florida. Ms. Wood assisted with the preparation of a hazardous waste corrective action permit application for a railroad signaling company's facility in Missouri. She reviewed the monitoring plan and financial assurance documentation. She also provides technical review for the facility's semiannual groundwater sampling reports. The company also maintains ISO 14001 compliance. Ms. Wood conducted a multimedia audit of the company's Florida facility in support of the audit.

Compliance Support, Natural Gas Production Company, Colorado. Ms. Wood worked as part of a team that reviewed waste management plans for wastes generated during natural gas production in the DJ Basin. As part of that planning, Ms. Wood reviewed state and federal requirements for waste characterization, contingency planning, training, on-site management, transportation, and disposal of wastes. She provided guidance on closure requirements for accumulation tanks, characterization of exempt E&P and nonexempt waste, and other hazardous waste compliance issues. Ms. Wood also worked with the team to develop on-site waste management procedures for less-than-90-day hazardous waste accumulation areas. Following preparation of the plan, she also conducted waste management site audits at eight production facilities.

Due Diligence, Vacuum Truck Company, Nationwide. Ms. Wood manages a contract with a vac truck company in the process of a nationwide expansion. In addition to conducting Phase I ESAs, she also supervised sampling of sump water and sediment from prospective purchase or rental properties. Ms. Wood also acted as the qualified environmental professional providing technical review.

Due Diligence, Solar Energy Company, Upper Midwest. Ms. Wood was the qualified environmental professional providing technical review for the due diligence related to the purchase or expansion of dozens of potential solar energy sites in the upper Midwest.

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.

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.

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.

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 hazardous waste training; preparation of hazardous waste management plans (HWMP) and contingency plans; preparation and submission of annual reports, including Biennial Report equivalents and waste minimization reports; procurement of disposal contractors; oversight of waste management and collection; oversight of waste characterization sampling, 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, Oil and Gas Production Company, Colorado. Ms. Wood worked as part of a team that reviewed waste management plans for wastes generated during natural gas production in the DJ Basin. As part of that planning, Ms. Wood reviewed state and federal requirements for waste characterization, contingency planning, training, on-site management, transportation, and disposal of wastes. She provided guidance on closure requirements for accumulation tanks, characterization of exempt E&P and nonexempt waste, and other hazardous waste compliance issues. Ms. Wood also worked with the team to develop on-site waste management procedures for less-than-90-day hazardous waste accumulation areas.

Hazardous Waste Compliance Assistance, Mining Corporation, New Mexico. Ms. Wood worked as part of a team that prepared the waste management plan for wastes generated during the closure of a molybdenum mine in New Mexico. Activities at this Superfund site included demolition of existing buildings and operational facilities and construction of a water treatment and associated utility corridor. As part of that planning, Ms. Wood reviewed state and federal requirements for waste characterization, contingency planning, training, on-site management, transportation, and disposal of wastes. Her plan addressed waste characterization, management, and disposal for hazardous, universal, TSCA, and special waste (including contaminated soil and ACM) generated during demolition of buildings. Ms. Wood outlined waste characterization procedures tailored to waste types, including characterization based on analysis, policy, and process/product knowledge. Ms. Wood also worked with the team to develop on-site waste management procedures for less-than-90-day hazardous waste accumulation areas.

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 post closure 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.

Spill Response and Cleanup, Trucking Insurance Company, California. Ms. Wood provided spill response and cleanup support for a 4,000-gallon gasoline spill resulting from a tanker truck accident along a busy state highway near Santa Barbara. The release impacted the roadway and adjacent shoulder areas. She prepared a site remediation investigation workplan that was submitted to and approved by the county public health department; the encroachment permit that was submitted to and approved by CalTrans; and the health and safety plans for the investigation. She also profiled the mixed gasoline-asphalt waste generated during the initial response and ensured its appropriate profiling and disposal.

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.

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.

Other Government Experience

Revision of Hazardous Waste Management Plan and Waste Fact Sheets, KSARNG (2019-2020). As part of ongoing support for the Kansas Office of Adjutant General, Tetra Tech revised the KSARNG HWMP and WFSs, last revised in 2015. As part of this effort, Ms. Wood interviewed headquarters staff and environmental team members from generator facilities. The HWMP was updated to reflect changes in management procedures and to prepare field personnel for the generator improvement rule changes, which have not yet been adopted in Kansas. Ms. Wood also updated forms used for waste inventories, waste turn-in, container area inspections, training, and emergency planning. Each WFS is a one-page summary for a regularly generated regulated waste, and includes container selection, management, and labeling; waste determination procedures; turn-in procedures; and general handing requirements.

Hazardous Materials Inventory and Waste Determination, KSARNG (2020). Ms. Wood managed the team that conducted on-site inventories of hazardous materials stored at 14 KSARNG facilities across the state, including at armories, field maintenance shops, construction and facilities management office, unit training and equipment sites, army aviation support facilities, and warehouses. The inventories include on-site evaluations of hazards; assignment of potential hazardous waste codes and hazard characteristic codes; and capture of other relevant material information, such as brand name and National Stock Number. During the site inventories, Tetra Tech also conducts a brief RCRA compliance review, evaluating container management and labeling and discussing turn-in and waste determination procedures.

Remedial Investigations, Kansas, U.S. Army Corps of Engineers (USACE), Kansas City District, 2012 to 2017. The USACE is conducting remedial investigations (RI) at two former Atlas missile silo sites in eastern Kansas. Ms. Wood managed three task orders under two joint venture HTRW contracts. She 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 installation and sampling of monitoring wells; oversaw soil, sediment, surface water, and sump sampling; and prepared and revised RI reports that included baseline risk assessment. Based on the results of one of the RIs, USACE requested preparation of a feasibility study (FS) at one of the sites. The total value of the three task orders is more than $1M.

Procurement Assistance, U.S. Postal Service, Colorado. Ms. Wood provided procurement assistance for the USPS Western Region. She was embedded in the USPS offices and received USPS Sensitive clearance. While at the USPS, she reviewed contractor invoices, prepared statements of work, and issued purchase orders.

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.

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.

ADDITIONAL TRAINING/CERTIFICATIONS

RCRA Corrective Action (2002)

Planning for Quality Project Management Training (2002)

Technical Writing (2003)

ADDITIONAL EXPERIENCE

CostPro

Microsoft Publisher

Word Processing Superuser

EMPLOYMENT HISTORY

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