

Phase I Environmental Site Assessment of the American Casing and Equipment Facility 2721 W. Front St, Williston, ND

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## Quality information

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# **Executive Summary**

American Casing and Equipment contracted with AECOM Technical Services, Inc. (AECOM) to perform a Phase I Environmental Site Assessment (ESA) of a commercial property located at 2721 W. Front Street, Williston, Williams County, North Dakota (subject property) as shown on **Figure 1**. This Phase I ESA was performed in general conformance with the scope and limitations of ASTM Standard Practice Designation E 1527-13 for ESAs. Exceptions to, or deletions from, this practice are described in this report.

The site visit occurred on June 12, 2018. The subject property contains 5 buildings (**Figure 2**) located on seven parcels. The buildings located on the subject property are as follows:

A 20,000-square-foot two-story building steel building located in the southern half of the property utilized for vehicle maintenance and offices, herein referred to as Building #1.

A 7,500-square-foot steel building located on the northwestern portion of the property utilized for vehicle maintenance and offices, herein referred to as Building #2.

A 6,000-square-foot steel building located on the northeastern portion of the property utilized for vehicle maintenance and offices, herein referred to as Building #3.

A 900-square-foot steel building on the eastern portion of the property utilized for storage of non-commercial equipment such as RVs and boats, herein referred to as Building #4.

A 6,000-square-foot steel building also located on the eastern portion of the property utilized for the drying and storage of sand used during the well drilling process, herein referred to as Building #5.

No visual evidence of underground storage tanks (e.g., vent pipes, fill ports), monitoring wells, clarifiers, or dry wells was observed during the site visit. Septic tanks and associated leach fields were observed to the southwest of Building #2 and southwest of Building #3 during the site visit. Buildings #2 and #3 also utilize a private drinking water well, however it has been deemed non-potable due to hard water contaminants. Building #1 utilizes city-provided water and sewer services. Buildings #4 and #5 do not have water or sewage services.

The subject property is located in a commercial area within the City of Williston. The subject property is bordered to the north by 2<sup>nd</sup> Street West beyond which is US Highway 2 and undeveloped property. The subject property is bordered to the east by 26<sup>th</sup> Avenue West beyond which lie commercial properties that include Total Safety and other unoccupied structures. The subject property is bordered to the south by Front Street beyond which lie railroad tracks and undeveloped property. The subject property is bordered to the west by an undeveloped parcel. Gasoline service stations and dry cleaners were not observed in the immediate vicinity (approximately 500 feet) of the subject property. Other off-site sources of concern were not identified in the immediate vicinity.

AECOM's historical research indicates that the subject property was undeveloped and possibly utilized for livestock grazing from at least the late-1940s until the early-1980s. The subject property was developed sometime between the 1977 and 1983 with the construction of the two northern buildings that were originally occupied by B&B Tool. American Casing and Equipment constructed the additional buildings and have occupied the northern two buildings as of sometime in the early 1990s. No historical on-site or off-site sources of concern were identified during this assessment.

The subject property was not identified on the environmental database search report obtained for this project. Two surrounding sites were identified in the environmental database search report. One gas station located approximately 0.25 miles west was listed in the North Dakota Department of Health's Leaking UST database with record of successful cleanup. The second site listed is a Department of Defense controlled property located approximately 0.6 miles south. Based on AECOM's review and analysis of the database listings, none of the surrounding sites are expected to present a recognized environmental condition (REC) to the subject property, based on their distance (generally greater than

500 feet), regulatory status (i.e. regulatory closure, no violations found), media impacted (soil only), and/or topographical position relative to the subject property (i.e. down-gradient or cross-gradient).

The following RECs were identified during this assessment:

- Building #1 contains trench drains that discharge to an oil/water separator. There were also
  buckets of unknown solvents located in the drainage area near the separator. The site contact
  indicated they are water soluble and used for cleaning. Records of maintenance were unavailable
  and the separator appeared contain petroleum products during the site visit. All water from the
  separator is discharged to a septic system and not the public sewage system. The potential for
  solvents to enter the septic system and subsequently groundwater is considered a REC.
- On the western exterior of Building #1 there were multiple containers of what appeared to be a
  petroleum based fluid. The fluid was contained in buckets with no tops and no secondary
  containment, and some buckets labeled gear oil were situated on their side at the top of a full trash
  bin. Based on the contents of the fluids, the storage mode, and the lack of secondary containment,
  the containers located to the west of Building #1 are considered a REC based on the material threat
  of a release.
- Building #2 also contained multiple areas of floor and wall staining. A 1,000-gallon used oil tank
  located inside the building had staining on the floor extending to the walls that was the result of tank
  overfills. AECOM was unable to determine if the staining extended outside of the building as there
  was another single-walled 1,000-gallon used oil tank outside. Extensive oil staining and the
  possibility of a release to the environment are considered a REC.
- Building #3 contains floor trench drains that discharge to an oil/water separator and the water
  portion drains to a septic tank. Petroleum staining was present throughout the shop portion of
  the building near the drains as well as on all walls and floors throughout the shop. Records for
  the maintenance of the oil/water separator were not available but upon inspection the drains
  were full of water and petroleum products. A lack of records regarding the oil/water separator
  and its ultimate discharge to the septic system is considered a REC.
- A sink located in the Building #3 shop showed signs of being used for cleaning of petroleum products with discharge directly to the septic system. The apparent use of the sink for the cleaning of petroleum products is considered a REC.

The following de minimis conditions (DMCs) were identified during this assessment:

Black motor oil-like stains in multiple areas of less than 2 square feet are located north of Building #1 in an area covered with gravel and scoria rock. The staining is attributed to small leaks from trucks plugged in to electrical outlets during the winter. Given the localized nature of this staining, AECOM considers this a DMC.

#### 1. Introduction

## 1.1 Purpose

This Phase I Environmental Site Assessment (ESA) was performed pursuant to AECOM Technical Services, Inc. (AECOM's) written proposal, dated April 3, 2018. This assessment was performed in advance of the potential sale of the subject property. The purpose of this Phase I ESA is to provide the client with information for use in evaluating recognized environmental conditions (RECs) associated with the subject property.

Per the ASTM standard, potential findings can include RECs, including historical RECs (HRECs), controlled RECs (CRECs), and de minimis conditions (DMCs). A REC is defined by the ASTM standard as "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a 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. HRECs are a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls. CRECs are a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls. DMCs are those situations that do not present a material risk of harm to public health or the environment and generally would not be subject to enforcement action if brought to the attention of the regulating authority.

This assessment is based on a review of existing conditions, reported pre-existing conditions, and observed operations at the subject property and adjacent properties.

## 1.2 Scope of Work

The Phase I ESA included a site visit, regulatory research, historical review, and a review and an environmental database analysis of the subject property. In conducting the Phase I ESA, AECOM assessed the subject property for visible signs of possible contamination, researched public records for the subject property and adjacent properties (as applicable), and conducted interviews with persons knowledgeable about the subject property.

This project was performed in general accordance with ASTM Standard Practice Designation E 1527-13 and AECOM's proposal, dated April 3, 2018. Conclusions reached in this report are based upon the assessment performed and are subject to limitations set forth in Sections 1.3, 1.4, and 1.5 below.

## 1.3 Study Limitations

This report describes the results of AECOM's Phase I ESA to identify the presence of conditions materially affecting the subject facility and/or property within the limits of the established scope of work as described in our proposal.

As with any due diligence assessment, there is a certain degree of dependence upon oral information provided by facility or site representatives, which is not readily verifiable through visual observations or supported by any available written documentation. AECOM shall not be held responsible for conditions or consequences arising from relevant facts that were concealed, withheld, or not fully disclosed by facility or site representatives at the time this assessment was performed. In addition, the findings and opinions expressed in this report are subject to certain conditions and assumptions, which are noted in the report. Any party reviewing the findings of the report must carefully review and consider all such conditions and assumptions.

This report and all field data and notes were gathered and/or prepared by AECOM in accordance with the agreed upon scope of work and generally accepted engineering and scientific practice in effect at the time of AECOM's assessment of the subject property. The statements, findings and opinions contained in this report are only intended to give approximations of the environmental conditions at the subject property.

As specified in the ASTM standard (referred to below as "this practice"), it is incumbent that the client and any other parties who review and rely upon this report understand the following inherent conditions surrounding any Phase I ESA:

- Uncertainty Not Eliminated No ESA can wholly eliminate uncertainty regarding the potential
  for REC in connection with a property. Performance of this practice is intended to reduce, but
  not eliminate, uncertainty regarding the potential for REC in connection with a property, and
  this practice recognizes reasonable limits of time and costs. (Section 4.5.1 of the ASTM
  standard)
- Not Exhaustive "All appropriate inquiry" does not mean an exhaustive assessment of a
  clean property. There is a point at which the cost of information obtained outweighs the
  usefulness of the information and, in fact, may be a material detriment to the orderly
  completion of transactions. One of the purposes of this practice is to identify a balance
  between the competing goals of limiting the costs and time demands inherent in performing
  an ESA and the reduction of uncertainty about unknown conditions resulting from additional
  information. (Section 4.5.2 of the ASTM Standard)
- Comparison with Subsequent Inquiry ESAs must be evaluated based on the
  reasonableness of judgments made at the time and under the circumstances in which they
  were made. Subsequent ESAs should not be considered valid standards to judge the
  appropriateness of any prior assessment based on hindsight, new information, use of
  developing technology or analytical techniques, or other factors. (Section 4.5.4 of the ASTM
  Standard)

A similar set of inherent limitations exist in cases where the Phase I ESA included a screening-level assessment of vapor migration or vapor encroachment; such an assessment is a required part of a Phase I ESA when the ASTM E1527-13 standard is employed. According to the ASTM E2600-15 Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions, the following limitations apply:

- Uncertainty Not Eliminated in Screening No vapor encroachment screen (VES) can wholly
  eliminate uncertainty regarding the identifications of vapor encroachment conditions (VECs) in
  connection with the target property. (Section 4.5.1)
- Not Exhaustive The guide is not meant to be an exhaustive screening. There is a point at
  which the cost of information obtained outweighs the usefulness of the information and, in

fact, may be a material detriment to the orderly completion of real estate transactions. One of the purposes of this guide is to identify a balance between the competing goals of limiting the costs and time demands inherent in performing a VES and the reduction of uncertainty about unknown conditions resulting from additional information. (Section 4.5.2)

Comparison with Subsequent Investigations - It should not be concluded or assumed that an
investigation was not adequate because the investigation did not identify any VECs in
connection with a property. The VES must be evaluated based on the reasonableness of
judgments made at the time and under the circumstances in which they were made.
Subsequent VESs should not be considered valid bases to judge the appropriateness of any
prior screening if based on hindsight, new information, use of developing technology or
analytical techniques, or similar factors. (Section 4.5.4)

This report was prepared pursuant to an agreement between American Casing and Equipment (Client) and AECOM and is for the exclusive use of the Client. No other party is entitled to rely on the conclusions, observations, specifications, or data contained herein without first obtaining AECOM's written consent and provided any such party signs an AECOM-generated Reliance Letter. A third party's signing of the AECOM Reliance Letter and AECOM's written consent are conditions precedent to any additional use or reliance on this report.

The passage of time may result in changes in technology, economic conditions, site variations, or regulatory provisions, which would render the report inaccurate. Reliance on this report after the date of issuance as an accurate representation of current site conditions shall be at the user's sole risk.

## 1.4 Site-Related Limiting Conditions

The following site-specific limitations were encountered during the course of this assessment:

During the site visit, AECOM did not access the roof of the subject property buildings.
AECOM's evaluation of the subject property focused on areas where hazardous substances
are handled. The site contact did not report any hazardous materials associated with the
roof. Based on this information, this particular site-related limiting condition is not expected to
have a significant limitation to this assessment.

## 1.5 Data Gaps/Data Failure

The following data failure/data gaps were encountered during the course of this assessment:

- As specified in the agreed upon scope of work, a title search and environmental lien search
  were not conducted as part of this ESA. However, based upon historical data collected from
  other sources, this data gap is not expected to impact the results of this assessment. In
  addition, the user was not aware of environmental liens or activity use limitations (AULs) that
  have been placed on the subject property.
- A limitation was encountered in determining the historical use of the subject property. The
  earliest source of historical information reasonably ascertainable within the time frame of this
  report in which usage could be determined was an aerial photograph from 1949. At the time
  of the photograph, the subject property appeared to be pastoral grazing land. Therefore, the
  ASTM E1527 requirement to determine all obvious uses of the property from the present back
  to the property's first obvious developed use, or back to 1940, whichever is earlier, could not

be achieved. However, based upon the identified pastoral land use, it is unlikely that there had been significant prior development; therefore, this data failure is not expected to impact the results of this assessment.

- It should be noted that not all standard historical sources, as defined per ASTM, were
  reviewed as part of this assessment. In addition to recorded land title records, building
  department records were not reviewed. Based on information provided from the remaining
  standard historical sources, additional historical information obtained from building
  department records would not likely have assisted in meeting the historical use requirement;
  therefore, this data gap is not expected to impact the results of this assessment.
- Per ASTM, past owners, operators, and occupants of the subject property who are likely to
  have material information regarding the potential for contamination at the subject property
  shall be contacted to the extent that they can be identified and that the information likely to be
  obtained is not duplicative of information already obtained from other sources. AECOM was
  unable to interview past owners and/or operators at the subject property. However, based
  upon historical data collected from other sources, this data gap is not expected to impact the
  results of this assessment.

# 2. Site Description

## 2.1 Site Location and Parcel Description

The subject property is located at 2721 W. Front Street, Williston, Williams County, North Dakota. The subject property is situated along West Front Street, approximately 1/4-mile east of the corner of West Front Street and 32<sup>nd</sup> Ave West. The subject property is accessed from West Front Street (southern property boundary), 26<sup>th</sup> Avenue West (eastern property boundary) and 2<sup>nd</sup> Street West (northern property boundary).

According to the Williams County Assessor's Office, the subject property consists of seven parcels of land designated by the county as Parcel Numbers 0147000001010 through 0147000001070. The approximate location of the subject property is illustrated on **Figure 1**.

## 2.2 Site Ownership

According to the Williams County Assessor's Records, the subject property is owned by Steve Larvick.

#### 2.3 Site Visit

Mr. Ryan Klute with AECOM's Bismarck, North Dakota office visited the subject property on June 12, 2018. During the site visit, Mr. Klute was accompanied throughout the site by Mr. Chris Gellner of Ritchie Bros. Auctioneers who has been associated with the property for the last 3 months. Mr. Gellner provided information on American Casing's current operations and history. Site-related limiting conditions encountered during this assessment were previously summarized in Section 1.4.

The site visit methodology consisted of walking over accessible areas of the subject property, including the building interior and exterior, the perimeter, and the portions of the surrounding area. The following sections summarize the results of the site visit.

Mr. Klute also interviewed Jerome Funk, a former employee, who has been associated with the subject property for 10 years.

#### 2.3.1 Site and Facility Description

The 10-acre subject property contains 5 buildings. The subject property is occupied by American Casing and Equipment. On-site operations include shop space for machinery maintenance, equipment storage, and office space. The subject property was covered with gravel and scoria in addition to the concrete-paved apron parking areas surrounding each building.

Building #1 is a 20,000-square-foot steel building utilized for office space and machinery maintenance, and is constructed of a steel frame with steel walls, a steel roof, and a concrete slab foundation. Equipment bay doors are located along the western side and eastern side of the subject property building. Three trench drains are located in the maintenance shop portion of the building; two in the main area, and one in an enclosed booth used as a wash bay. All three drains connect to an oil/water separator located in the wash bay.

Building #2 is a 7,500-square-foot steel building on a concrete slab foundation containing former-office space and a maintenance shop area. Equipment bay doors are located on the eastern side

of the building. Two trench drains in the maintenance portion of the building connect to an oil/water separator.

Building #3 is a 6,000-square-foot steel building on a concrete slab foundation containing former-office space and a maintenance shop area. Equipment bay doors are located on the western and eastern sides of the building. Three trench floor drains are located in the shop portion of the building and connect to an oil/water separator.

Building #4 is a 900-square-foot steel building on a concrete slab foundation utilized for storage of non-commercial equipment (RVs, boats). One bay door is located on the eastern side of the building. One trench floor drain is located centrally in the building, primarily used to catch snow melt from equipment and sediment, with no discharge to sewer or septic systems.

Building #5 is a 6,000-square-foot steel building on a concrete slab foundation utilized for the storage and drying of sand used during the well-drilling process. Three bay doors are located on the eastern side of the building.

During the site visit, underground septic tanks were observed to the southwest of both Building #2 and Building #3.

No visual evidence of discolored soil, water, or unusual vegetative conditions or odors was observed during the site visit. In addition, no visual evidence of significant corrosion was observed on the floors or walls of the subject property buildings or on the exterior of the subject property. The general layout of the subject property is illustrated on **Figure 2**, and Representative Site Photographs are provided in Appendix A.

#### 2.3.2 Surrounding Properties

The subject property is bordered to the north by 2<sup>nd</sup> Street West, beyond which lie US Highway 2 and undeveloped land. The subject property is bordered to the east by 26<sup>th</sup> Avenue West beyond which lies commercial development including Total Safety and an empty commercial building. The subject property is bordered to the south by West Front Street beyond which lie railroad tracks and agricultural fields. The subject property is bordered to the west by a vacant lot.

AECOM did not observe any gasoline service stations or dry cleaners in the immediate vicinity (500 feet) of the subject property. In addition, no sensitive receptors (i.e. day care centers, schools, hospitals, water bodies) are located adjacent to the subject property. Based on AECOM's site reconnaissance of the surrounding neighborhood, no off-site sources of concern were identified.

#### 2.3.3 Petroleum Products and Hazardous Materials

Large quantities (greater than 55 gallons) of diesel, motor oil and petroleum-based lubricants were observed in Buildings #1, #2, and #3.

Building #1 utilizes a used-oil burner to heat the maintenance shop portion of the building. Four 250-gallon double-walled interior tanks are connected to an exterior 1,500 gallon single-walled tank with no secondary containment. No staining was observed on the concrete floor adjacent to the inside tanks. Areas of staining of less than 2 square feet, and corrosion of the bottom of the tank were observed near the outdoor used oil tank. Open 5-gallon buckets were observed in the wash bay area of Building #1. Many were unlabeled and contained what appeared to be petroleum based liquids and sludge. On the west exterior side of Building #1 one dozen containers of oil

soaked rags, and open containers of petroleum based liquids were present. Also on the west exterior side of Building #1 an open manhole was observed that contained water and petroleum based liquids. Site representatives were unable to confirm if it was related to the oil/water separator located in the building. Three 1,000-gallon LP tanks are also located on the west side of Building #1.

Building #2 utilizes a used-oil burner to heat the maintenance shop portion of the building. A 1,000-gallon single-wall steel tank located inside the shop, and an exterior 1,000-gallon single-wall steel tank store used oil used in heating. No staining was observed near the exterior tank, however, oil staining was present on the inside tank as well as approximately 200 square feet on the floor and walls near the tank. Oil staining was observed on other interior walls near the bay doors and walls separating the bays. 55-gallon drums of oil, antifreeze, and other unmarked drums were present throughout the shop maintenance area. On the southern exterior portion of the building, empty and partially full unmarked 55-gallon drums and tires were observed, as well as steel drums only marked "solvent". A 5,000-gallon steel tank marked "solvent" was also present on the southern exterior, but the site contact could not provide information as to the exact contents and their use. The tank is raised approximately 6' above grade on concrete blocks with no secondary containment, with no staining present. Two 1,000-gallon LP tanks were observed on the exterior; one on the northwestern corner and one near the solvent tank south of the building.

Building #3 utilizes a used-oil burner to heat the maintenance shop portion of the building. An interior 1,000-gallon single-wall steel tank and an exterior 1,000-gallon single-walled steel tank store oil used in heating. A 250-gallon plastic tote containing used oil was also observed on the floor near the heater. Neither of the interior containers had secondary containment. Oil staining in excess of 50 square feet was observed on the concrete floor around both containers. No secondary containment was observed for the outside used oil storage tank, and oil staining on the concrete apron was present. Over one dozen 5-gallon buckets of petroleum based grease without lids or secondary containment were present in the building's interior. Unmarked 55-gallon steel drums with unidentified liquids present were observed throughout the building. Some drums had evidence of corrosion along the bottom with associated rust and petroleum product staining. Oil-stained floors were observed throughout the entirety of the shop area as well as extensive wall staining. Trench drains contained water and petroleum with unknown points of discharge. A raised 250-gallon single-walled steel tank containing diesel was observed on the southern exterior of the building. A secondary containment structure made of plastic was present around the diesel tank. A mixture of water and diesel fuel was observed in the secondary containment structure.

Building #4 contained small amounts (less than 5 gallons) of household paints and cleaners. Small LP tanks such as those utilized for outdoor cooking were also observed. No staining was observed in the vicinity of these materials. No other hazardous materials were identified by AECOM in Building #4.

Building #5 contained no hazardous materials identified by AECOM.

A single 55-gallon steel drum marked "wood preserving stain" was located centrally on the property. This drum was in contact with the ground surface with no secondary containment.

Other hazardous materials were not identified by AECOM during the site visit.

#### 2.3.4 Polychlorinated Biphenyls

Based on the age of the subject property (post-1979), PCBs are not expected to be present on site.

During the site visit, pad-mounted transformers were observed on the subject property near each of the subject property buildings. Labels indicating PCB content was not observed on the transformer. Staining was not observed at the base of the transformers.

One hydraulic lift is located in Building #1. No leaks or stains were observed on the concrete floor in the vicinity of the lift.

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

Aboveground storage tanks (ASTs) were observed in association with Building #1, Building #2, and Building #3 during the site visit as indicated in Section 2.3.3.

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

Visual evidence of underground storage tanks (USTs) (e.g., vent pipes, fill ports) was not observed during the site visit. Mr. Gellner indicated that no USTs are located on the subject property or have historically been located on the subject property. In addition, no USTs were listed in the site-specific environmental database report.

#### 2.3.7 **Solid Waste**

One solid waste dumpster was observed to the north of the Building #1. Two solid waste dumpsters were observed to the north of Building #4. According to Mr. Gellner, the dumpsters are used for the disposal of packaging, paper, and general office trash. No evidence of inappropriate disposal activities and no significant staining were observed in the vicinity of the dumpsters.

#### 2.3.8 **Hazardous Waste**

No hazardous waste was observed at the time of the site visit.

#### 2.3.9 Water

The facility receives its potable water supply for Building #1 from the City of Williston water system. Private water wells supply Building #2 and Building #3, but have been classified as non-potable.

#### 2.3.10 Wastewater

Wastewater discharges from Building #1 at the subject property include effluent from human consumptive use and floor drains located in the restrooms, which, according to site contact, discharge directly to the municipal sanitary sewer system. Staining or visual evidence of a hazardous materials release was not observed in the vicinity of the floor drains.

Wastewater discharges from Building #2 and Building #3 at the subject property include effluent from human consumptive use and floor drains located in the restroom, which, according to site contact, discharge to an on-site septic system located to the southwest of each respective subject property building. In Building #3 staining was observed in the vicinity of the trench floor drains. A shop sink in Building #3 appeared to be heavily stained and reportedly discharges directly to the septic system.

#### 2.3.11 **Stormwater**

No stormwater drains were observed on the subject property at the time of AECOM's site reconnaissance. Stormwater which does not infiltrate the unpaved surfaces is expected to flow towards storm drains located in the adjacent roadways.

#### 2.3.12 Heating and Cooling

The office portion of Building #1 on the subject property building is heated and cooled via geothermal units. The shop portion of Building #1 is heated via a used oil burner. The office portion of Building #2 is heated via propane and cooled via an electrical HVAC system. The shop portion of Building #2 is heated via a used oil burner. The office portion of Building #3 is heated via propane and cooled via an electrical HVAC system. The shop portion of Building #3 is heated via a used oil burner. Building #4 is heated via wall mounted electrical radiant heaters. Building #5 contains no heating or cooling equipment. Mountrail-Williams Electric Cooperative provides electricity to the subject property.

#### 3. **Environmental Setting**

#### 3.1 **Topography**

According to the United States Geological Survey (USGS) topographic map of the subject property area (Williston West guadrangle) and a review of the Google Earth application, the elevation of the subject property is approximately 1,853 feet above mean sea level (msl). Based on a review of these technical resources and AECOM's site visit, the subject property appears to be generally flat with a slight downward slope toward the south and east.

#### 3.2 Soil/Geology

Site-specific geologic information was not identified during the course of this assessment. According to the environmental database report, the subject property is underlain with Lohler silty clay. The Lohler soils have slow infiltration rates and are moderately well drained. These soils are described as fine-grained soils down to depth of approximately 59 inches.

According to geologic information provided in the environmental database report, the bedrock geology of the subject property is of the Cenozoic era, Tertiary system, Paleocene Series.

#### 3.3 Groundwater/Hydrology

Site-specific hydrologic information was not identified during the course of this assessment. According to information provided by Federal USGS Well Information and State Database Well Information online databases, depth to groundwater at a USGS groundwater monitoring well (4000939634) located approximately ½ mile southwest of the subject property, was measured at a depth of 20.00 feet below ground surface (bgs) in 2009. Based on the surface topography, the groundwater flow direction at the subject property is expected to be toward the south-southeast. It should be noted that the actual depth and flow direction of groundwater beneath the subject property cannot be determined without site-specific groundwater monitoring well data.

# 4. Site and Area History

Historical information for the subject property and surrounding properties is based on AECOM's review and analysis of the following historical sources:

- Aerial photographs dated 1949, 1958, 1977, 1983, 1991, 1995, 2006, 2009, 2012, and 2016;
- Topographic maps dated 1959, 1976, 1979, and 2014;
- City directories for the years 1987, 1992, 1995, 2000, 2005, 2010, and 2014.

In addition, an interview was conducted with Mr. Gellner who has been associated with the subject property for the past few months. A phone interview was also conducted with Jerome Funk who has been associated with the property for over 10 years. The City of Williston Planning and Zoning Department was closed at the time of AECOM's visit. According to Environmental Data Resources (EDR), Sanborn® Fire Insurance Map coverage is not available for the subject property.

## 4.1 Subject Property

Historical research indicates that the subject property was occupied by pasture used for grazing from 1949 through at least 1977. A review of documents provided EDR indicates that the original subject property buildings were constructed in the time period between 1977 and 1983. The subject property address was not listed in any of the city directories obtained. According to the site contact, B and B Tool occupied the northern buildings on the subject property from around 1983 until the mid-1990s. From that time forward the property has been occupied by American Casing and Equipment.

Based on the historical use of the subject property as agricultural from the 1940s through the 1970s, residual concentrations of organo-chlorine pesticides (OCPs) may be present in shallow soil of the subject property, as this is common throughout much of the agricultural regions of North Dakota. Based on the non-residential use of the subject property, the potential presence of residual concentrations of OCPs remaining in the shallow on-site soils (if any) is not a REC, in AECOM's opinion.

# 4.2 Off-site Properties

The 1949 aerial photograph depicts the surrounding properties to consist of pastures to the north, west and south, and a drive-in movie theater to the east. Surrounding properties appear to have been further developed with commercial buildings between 1977 and 1983. The building that now is occupied by Total Safety was located east of the subject property at that time. Other commercial structures appear during 2012. Additional buildings currently present to the east of the subject property were first visible on the 2012 aerial photograph.

# 4.3 Previously Prepared Environmental Reports

AECOM inquired about existing environmental reports associated with the subject property. Previously prepared environmental reports were not identified during this assessment. Mr. Gellner indicated that to his knowledge, there were no previous environmental assessments or reports associated with the subject property.

#### 5. Database and Records Review

#### 5.1 User Provided Information

On July 17, 2018, Mr. Marcus Larvick with American Casing and Equipment provided AECOM with a completed ASTM 1527-13 User Questionnaire which summarized their knowledge of title records, environmental liens, specialized knowledge, and/or real estate value reduction issues associated with the subject property. Mr. Larvick was not aware of any environmental liens or activity use limitations having been placed on the subject property. Mr. Larvick stated that he did not have specialized knowledge or experience that is material to RECs in connection with the subject property. According to Mr. Larvick, American Casing and Equipment is looking to sell the subject property.

## 5.2 Title Records/Environmental Liens

Per the agreed upon scope of work, a chain-of-title and an environmental lien search were not performed as part of this assessment.

#### 5.3 Database Information

In accordance with the scope of work and ASTM Standard E-1527-13, a search of various governmental databases was conducted by EDR. The site-specific environmental database report was reviewed to evaluate if soil and or groundwater from an on-site and/or off-site sources of concern has the potential to impact the subject property. The database abbreviations are provided in the site-specific environmental database report.

The database report includes various reports detailing database information for each of the sites identified/geocoded within the specified radius. Additional sites were identified within the database report; however EDR was not able to map them to specific locations due to insufficient/contradicting address information. These sites were included in the database report as "orphan" sites. Based upon AECOM's review, there does not appear to be any significant concerns associated with any of the orphan sites. A summary of AECOM's review and analysis of the site-specific environmental database report is presented below. A copy of the database report is provided in Appendix B.

Based on AECOM's research, the subject property is not located on or within a 1-mile radius of tribal lands.

#### **5.3.1** Subject Property

The subject property was not identified in the site-specific environmental database report.

#### 5.3.2 Surrounding Sites

According to the environmental database report, two sites were identified within their respective ASTM and/or EDR search distances from the subject property. Based on AECOM's review of these database listings, none of these sites are expected to present a REC to the subject property based on their distance from the subject property, regulatory status (i.e. closed, no violations found), media impacted (i.e. soil only), and/or topographical position from the subject property (i.e. down-gradient

or cross-gradient). Due to its proximity to the subject property, the following site is discussed in additional detail.

Westside Fuel at 3117 W 2<sup>nd</sup> St is located approximately 1,200 feet west of the subject property. This site is listed on the UST and LUST databases. According to the site-specific environmental database report, the LUST case is listed as closed with final regulatory closure issued in 1997. Due to the regulatory status, it is AECOM's opinion that this site is not a REC.

#### 5.4 **Vapor Encroachment Screening**

AECOM conducted a Tier 1 vapor encroachment screening (VES) as part of this assessment. This screening was conducted in general accordance with the ASTM E2600 Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions dated October 2015. The objective of the VES was to determine if a VEC exists or if a VEC does not exist.

#### 5.4.1 **Subject Property**

No on-site sources of vapor encroachment (e.g. UST, contaminated soil, groundwater plume, etc.) were identified during this assessment. Based on this information, a VEC due to an on-site source does not appear to exist, but cannot be ruled out.

#### 5.4.2 Off-site

To conduct the VES of the nearby area, AECOM conducted a detailed review and analysis of the site-specific environmental database report with particular focus on the follow two types of sites:

- Off-site properties that are impacted by chlorinated volatile organic compounds (VOCs) and/or semi-volatile-organic compounds (SVOCs) and are located within approximately 1,750 feet of the subject property, and
- Off-site properties that are impacted by petroleum hydrocarbons and are located within approximately 525 feet of the subject property.

The following paragraph summarizes the results of AECOM's VES of the nearby area.

A review of the site-specific environmental database indicates that no chlorinated VOC/SVOC impacted sites are located within the above-described radii of the subject property.

#### 5.4.3 Local

AECOM submitted Freedom of Information Act (FOIA) requests to the City of Williston to determine if they have files related any releases that may have occurred at the subject property. As of the date of this report, a response to AECOM's FOIA request has not been received. Based on AECOM's research to date, AECOM does not anticipate the response (if any) from the City of Williston to our FOIA request will significantly alter the conclusions or recommendations of this report. However, if information is received from this FOIA request that significantly impacts the conclusions of this report, this information will be forwarded upon receipt.

#### 5.4.4 County

No county database was available at the time of this assessment.

#### 5.4.5 State

Based on the presence of the westerly property on the LUST database, AECOM conducted an online file review. As previously stated, the site was given regulatory closure in 1997. Based on this information, this westerly LUST site is not considered a REC with respect to the subject property, in AECOM's opinion.

#### 5.4.6 Federal

AECOM searched the U.S. EPA's Envirofacts and Superfund Enterprise Management System (SEMS) online databases. The SEMS database replaced the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) which has since been retired. SEMS includes the same data fields and content as CERCLIS. The Envirofacts database retrieves information obtained from 17 national systems, including the CERCLIS, Superfund program (NPL sites), hazardous waste sites, and potential hazardous waste sites. The subject property was not listed on the Envirofacts or SEMS databases.

# 6. Findings and Opinions

AECOM performed a Phase I ESA of the subject property in conformance with the scope and limitations of ASTM Practice E 1527-13, which meets the requirements of Title 40, Code of Federal Regulations Part 312 and is intended to constitute *all appropriate inquiry* for purposes of the landowner liability protections. Any exceptions to, or deletions from, this practice are described in Section 1.3 through 1.5 of this report.

The following sections summarize the findings and opinions of this Phase I ESA of the subject property.

## 6.1 Recognized Environmental Conditions

The following RECs were identified during this assessment:

- Building #1 contains trench drains that discharge to an oil/water separator. There were also buckets of unknown solvents located in the drainage area near the separator. The site contact indicated they are water soluble and used for cleaning. Records of maintenance were unavailable and the separator appeared contain petroleum products during the site visit. All water is discharged to a septic tank after the oil/water separator. The potential for solvents to enter the septic system and subsequently groundwater is considered a REC.
- On the western exterior of Building #1 there were multiple containers of what appeared to be
  a petroleum based fluid. The fluid was contained in buckets with no tops and no secondary
  containment, and some buckets labeled gear oil were situated on their side at the top of a full
  trash bin. Based on the contents of the fluids, the storage mode, and the lack of secondary
  containment, the containers located to the west of Building #1 are considered a REC based
  on the material threat of a release.
- Building #2 also contained multiple areas of floor and wall staining. A 1,000-gallon used oil
  tank located inside the building had staining on the floor extending to the walls that was the
  result of a tank overfill. AECOM was unable to determine if the staining extended outside of
  the building as there was another single-walled 1,000-gallon used oil tank outside. Extensive
  oil staining and the possibility of a release to the environment are considered a REC.
- Building #3 contains floor trench drains that discharge to an oil/water separator and the water portion drains to a septic tank. Petroleum staining was present throughout the shop portion of the building near the drains as well as on all walls and floors throughout the shop. Records for the maintenance of the oil/water separator were not available but upon inspection the drains were full of water and petroleum products. A lack of records regarding the oil/water separator and its ultimate discharge to the septic system is considered a REC.
- A sink located in the Building #3 shop showed signs of being used for cleaning of petroleum products with discharge directly to the septic system. The apparent use of the sink for the cleaning of petroleum products is considered a REC.

# **6.2** Controlled Recognized Environmental Conditions

Based on the above-described activities, no CRECs were identified in connection with the subject property.

# **6.3 Historical Recognized Environmental Conditions**

Based on the above-described activities, no HRECs were identified in connection with the subject property.

#### 6.4 De Minimis Conditions

The following DMCs were identified during this assessment:

Black motor oil-like stains in multiple areas of less than 2 square feet are located north of Building #1 in an area covered with gravel and scoria rock. The staining is attributed to small leaks from trucks plugged in to electrical outlets during the winter. Given the localized nature of this staining, AECOM considers this a DMC.

#### 7 Conclusions

We have performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527-13 of 2721 W. Front Street, Williston, North Dakota, the subject property. Any exception to, or deletions from, this practice are described in Sections 1.3 through 1.5 of this report. Based on the potential petroleum or solvent release, a VEC cannot be ruled out. This assessment has revealed no evidence of RECs or CRECs in connection with the property except the following:

- Building #1 contains trench drains that discharge to an oil/water separator. There were also buckets of unknown solvents located in the drainage area near the separator. The site contact indicated they are water soluble and used for cleaning. Records of maintenance were unavailable and the separator appeared contain petroleum products during the site visit. All water is discharged to a septic tank after the oil/water separator. The potential for solvents to enter the septic system and subsequently groundwater is considered a REC.
- On the western exterior of Building #1 there were multiple containers of what appeared to be a petroleum based fluid. The fluid was contained in buckets with no tops and no secondary containment, and some buckets labeled gear oil were situated on their side at the top of a full trash bin. Based on the contents of the fluids, the storage mode, and the lack of secondary containment, the containers located to the west of Building #1 are considered a REC based on the material threat of a release.
- Building #2 also contained multiple areas of floor and wall staining. A 1,000-gallon used oil tank located inside the building had staining on the floor extending to the walls that was the result of a tank overfill. AECOM was unable to determine if the staining extended outside of the building as there was another single-walled 1,000-gallon used oil tank outside. Extensive oil staining and the possibility of a release to the environment are considered a REC.
- Building #3 contains floor trench drains that discharge to an oil/water separator and the water portion drains to a septic tank. Petroleum staining was present throughout the shop portion of the building near the drains as well as on all walls and floors throughout the shop. Records for the maintenance of the oil/water separator were not available but upon inspection the drains were full of water and petroleum products. A lack of records regarding the oil/water separator and its ultimate discharge to the septic system is considered a REC.
- A sink located in the Building #3 shop showed signs of being used for cleaning of petroleum products with discharge directly to the septic system. The apparent use of the sink for the cleaning of petroleum products is considered a REC.

#### **Environmental Professional Statement** 8.

Mr. Klute was the Environmental Professional (EP) for this project. Mr. Klute's EP statement is below and his resume is provided in Appendix C:

I declare that, to the best of our professional knowledge and belief, I meet the definition of an EP as defined in §312.10 of 40 Code of Federal Regulations (CFR) and that I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed all the appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Signature:	lyan blado	Date: July 30, 2018
- 19		

#### 9. References

#### 9.1 Persons Interviewed

Funk, Jerome. American Casing former employee. 701-770-6076. Provided information on site history and infrastructure on July 24, 2018.

Gellner, Chris, Ritchie Bros. Auctioneers, 5589 141<sup>st</sup> Ave. NW, Williston, ND 58801, cgellner@ritchiebros.com Provided site walk escort and site history on June 12, 2018.

## 9.2 Agencies Contacted

Assessor parcel information, reviewed for Williams County, North Dakota. This information was reviewed online by Mr. Klute with AECOM on May 25, 2018.

Environmental Protection Agency CERCLIS database - <a href="http://www.epa.gov/enviro/facts/cerclis/search.html">http://www.epa.gov/enviro/facts/cerclis/search.html</a>

Environmental Protection Agency Envirofacts database - http://www.epa.gov/enviro/

Environmental Protection Agency Superfund Enterprise Management System (SEMS) database, <a href="https://cumulis.epa.gov/supercpad/cursites/srchsites.cfm">https://cumulis.epa.gov/supercpad/cursites/srchsites.cfm</a>.

TCEQ Central Registry Database, <a href="http://www.tceq.state.tx.us/permitting/central\_registry/index.html">http://www.tceq.state.tx.us/permitting/central\_registry/index.html</a>. This information was reviewed online by Mr. Klute with AECOM on May 25, 2018.

#### 9.3 Documents Reviewed

ASTM E1527-13, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, dated November 2013. www.astm.org

ASTM E2600-15, Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions, dated October 2015. www.astm.org

EDR 7.5 Minute Topographic Maps, prepared for 2721 W. Front Street, Williston, ND 58801, dated May 25, 2018. Inquiry number 5312194.4. Topographic Maps 1959, 1976, 1979, and 2014. Report prepared by Environmental Data Resources Inc., 6 Armstrong Road, Shelton, Connecticut 06484, (800) 352-0050, <a href="https://www.edrnet.com">www.edrnet.com</a>.

EDR Aerial Photos Decade Package prepared for 2721 W. Front Street, Williston, ND 58801, dated May 20, 2018. Inquiry number 5312194.8. Aerial photographs dated 1949, 1958, 1977, 1983, 1991, 1995, 2006, 2009, 2012, and 2016. Report prepared by Environmental Data Resources Inc., 6 Armstrong Road, Shelton, Connecticut 06484, (800) 352-0050, www.edrnet.com.

EDR City Directory Abstract prepared for 2721 W. Front Street, Williston, ND 58801, dated May 30, 2018. Inquiry number 5315194.5. City directories reviewed included 1987, 1992, 1995, 2000, 2005, 2010, and 2014. Report prepared by Environmental Data Resources Inc., 6 Armstrong Road, Shelton, Connecticut 06484, (800) 352-0050, <a href="https://www.edrnet.com">www.edrnet.com</a>.

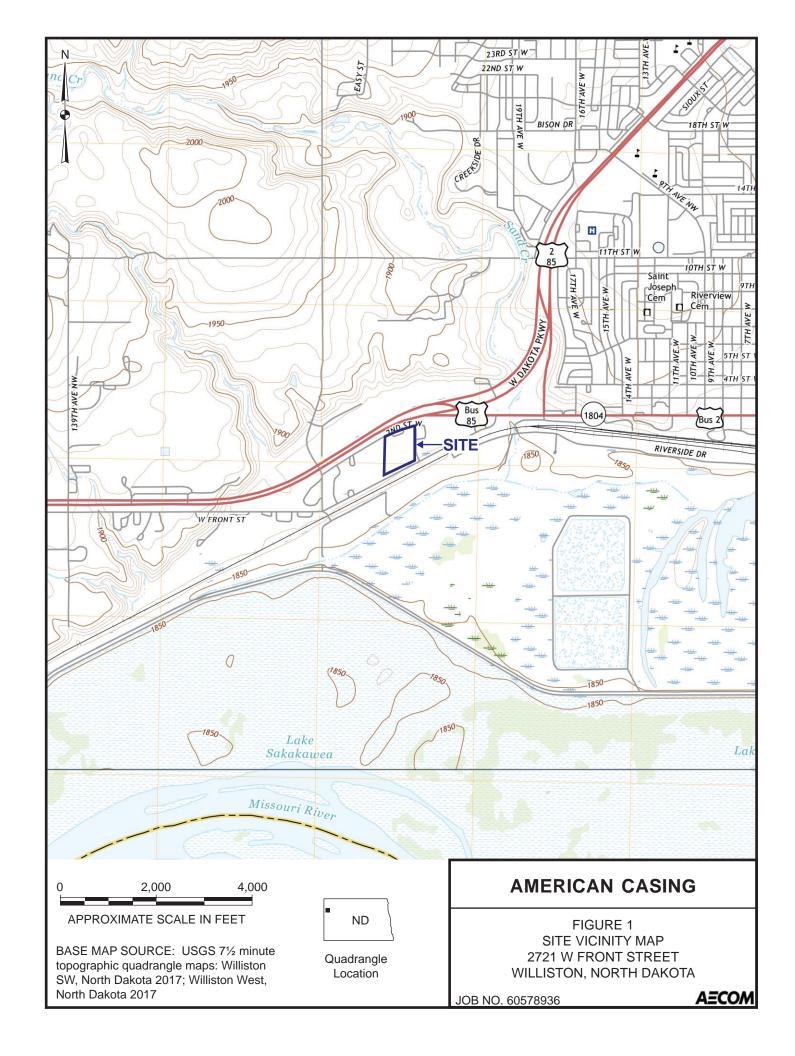
EDR Radius Map with GeoCheck®, prepared for 2721 W. Front Street, Williston, ND 58801, dated May 25, 2018. Inquiry number 5312194.2s. Report prepared by Environmental Data Resources Inc., 6 Armstrong Road, Shelton, Connecticut 06484, (800) 352-0050, www.edrnet.com.

Google Earth website, <u>www.google.earth.com</u>. This information was reviewed online by Mr. Klute with AECOM on May 25, 2018.

U.S. Environmental Protection Agency, Technical Guide For Addressing Petroleum Vapor Intrusion At Leaking Underground Storage Tank Sites dated June 2015, https://www.epa.gov/sites/production/files/2015-06/documents/pvi-guide-final-6-10-15.pdf

Web Soil Survey. U.S. Department of Agriculture, Natural Resources Conservation Service website - http://websoilsurvey.nrcs.usda.gov/app/

# **Figures**





Subject Property  Building #1 - Figure 3 Building #2 - Figure 4 Building #3 - Figure 5 Building #4 - Figure 5 Building #5 - Figure 5

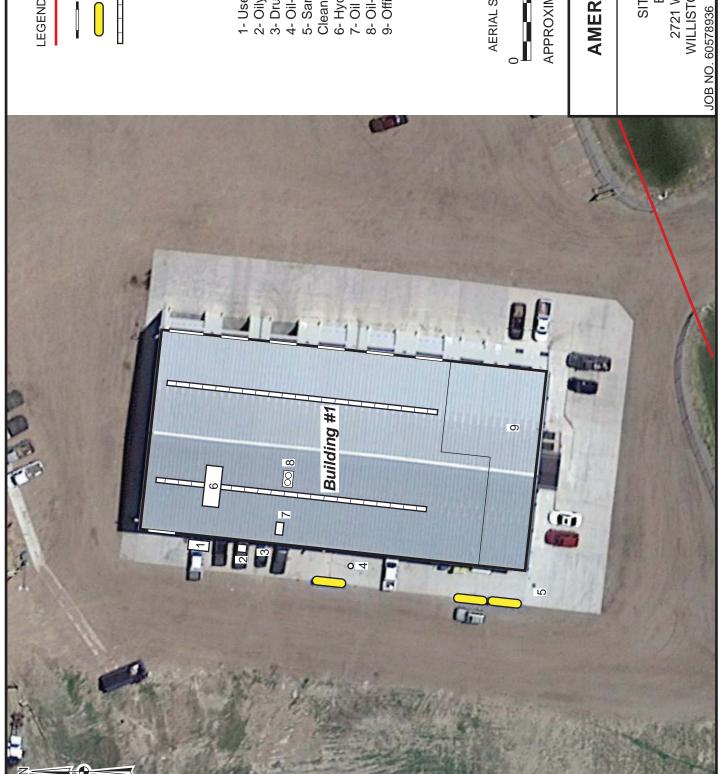
**AERIAL SOURCE: Google Earth** 

APPROXIMATE SCALE IN FEET 150

# **AMERICAN CASING**

SITE LAYOUT MAP 2721 W FRONT STREET WILLISTON, NORTH DAKOTA FIGURE 2

JOB NO. 60578936



Subject Property Overhead Door

Propane Tank

Trench Drain

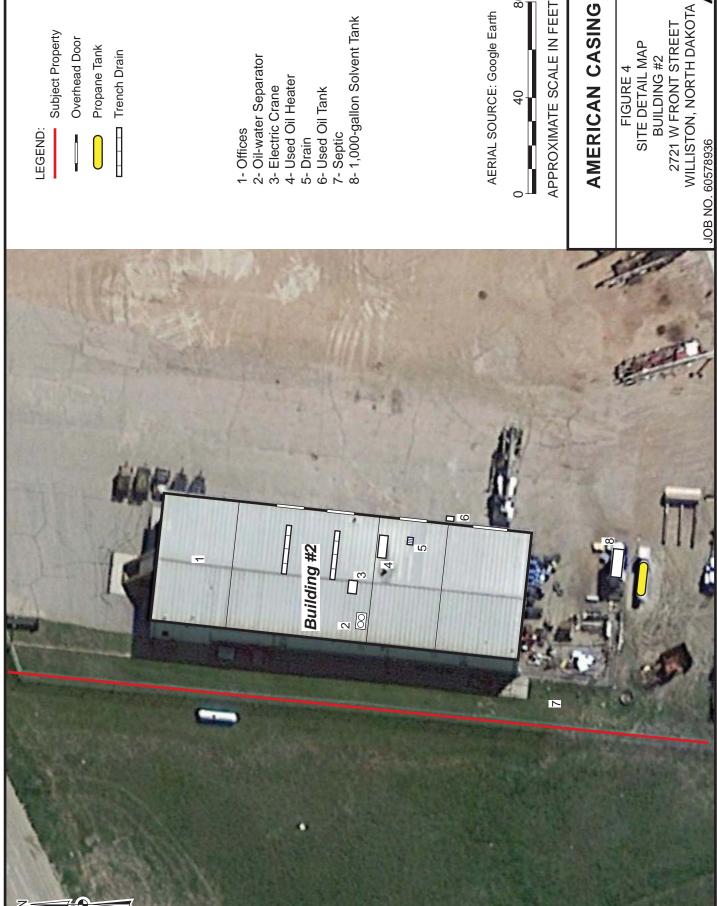
1- Used Oil Tank
2- Oily Rag Tote
3- Drums/Oil Pans
4- Oil-Water Sump
5- Sanitary Sewer
Cleanout
6- Hydraulic Lift
7- Oil Burner
8- Oil-water Separator
9- Offices

**AERIAL SOURCE: Google Earth** 

APPROXIMATE SCALE IN FEET

# **AMERICAN CASING**

FIGURE 3
SITE DETAIL MAP
BUILDING #1
2721 W FRONT STREET
WILLISTON, NORTH DAKOTA



Subject Property

Overhead Door

Propane Tank

Trench Drain

1- Offices

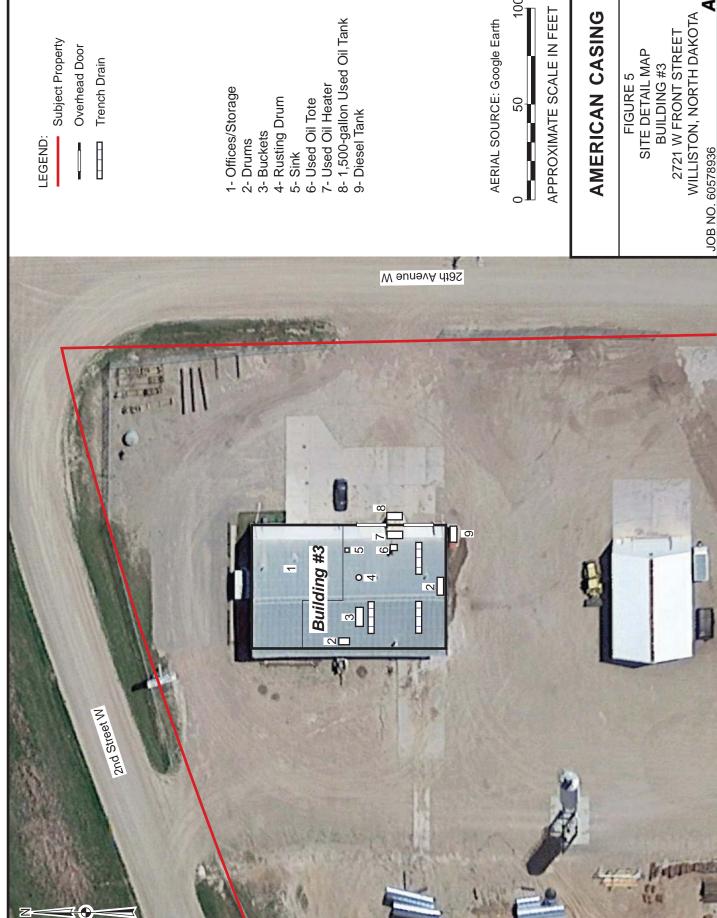
**AERIAL SOURCE: Google Earth** 



APPROXIMATE SCALE IN FEET

# **AMERICAN CASING**

FIGURE 4
SITE DETAIL MAP
BUILDING #2
2721 W FRONT STREET
WILLISTON, NORTH DAKOTA



Subject Property Overhead Door

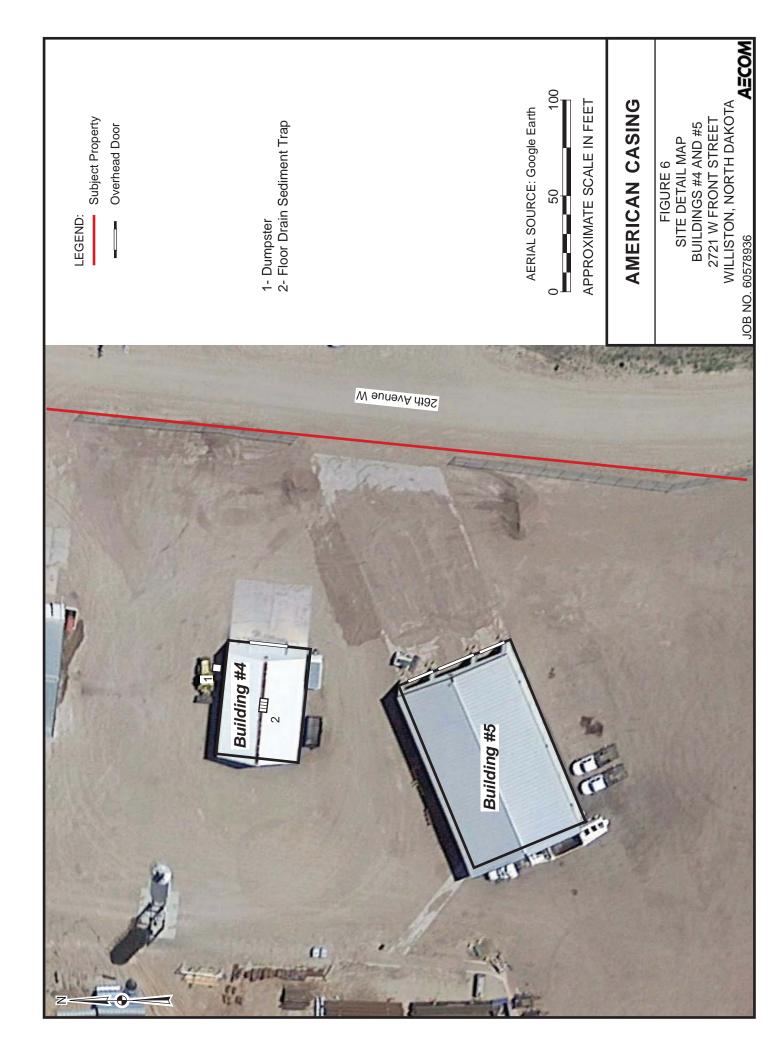
Trench Drain

**AERIAL SOURCE: Google Earth** 



# **AMERICAN CASING**

FIGURE 5
SITE DETAIL MAP
BUILDING #3
2721 W FRONT STREET
WILLISTON, NORTH DAKOTA



**Appendix A Representative Site Photographs** 



## **PHOTOGRAPH LOG**

**Facility Name:** 

American Casing and Equipment

Site Location:

2721 W. Front Street, Williston, ND 58801

**Project No.** 60578936

Photo No.

Date:

6/12/18

Direction Photo Taken:

North

Description:

Building #1 - Front view.



Photo No.

to No. Date: 6/12/18

Direction Photo Taken:

North

## Description:

Building #1 - Interior Shop with trench drains, and wash booth visible on the left side of photo.





## **PHOTOGRAPH LOG**

**Facility Name:** 

American Casing and Equipment

Site Location:

2721 W. Front Street, Williston, ND 58801

**Project No.** 60578936

Photo No.

**Date:** 6/12/18

Direction Photo Taken:

West

## **Description:**

Building #1 - Wash bay with oil/water separator in floor.

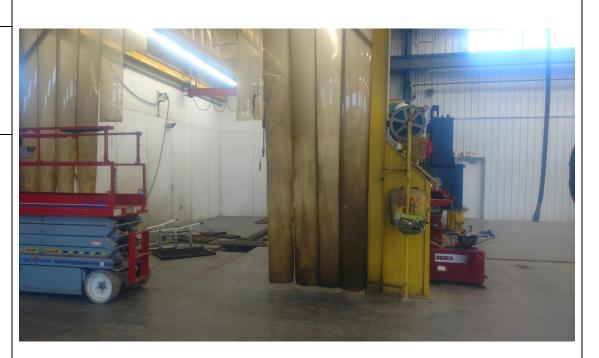


Photo No.

4

**Date:** 6/12/18

Direction Photo Taken:

North

## Description:

Building #1 - solvents and petroleum products located in wash bay.





**Facility Name:** 

American Casing and Equipment

Site Location:

2721 W. Front Street, Williston, ND 58801

**Project No.** 60578936

Photo No.

**Date:** 6/12/18

Direction Photo Taken:

East

**Description:** 

Building #1 – Exterior with open and unlabeled containers.



Photo No.

to No. Date: 6/12/18

Direction Photo Taken:

North

**Description:** 

Building #1 – Possible discharge point for oil/water separator with hoses from an unknown source.





**Facility Name:** 

American Casing and Equipment

Site Location:

2721 W. Front Street, Williston, ND 58801

**Project No.** 60578936

Photo No.

**Date:** 6/12/18

Direction Photo Taken:

Southeast

# **Description:**

Building #2 - Overview of shop area in with view of trench drains.

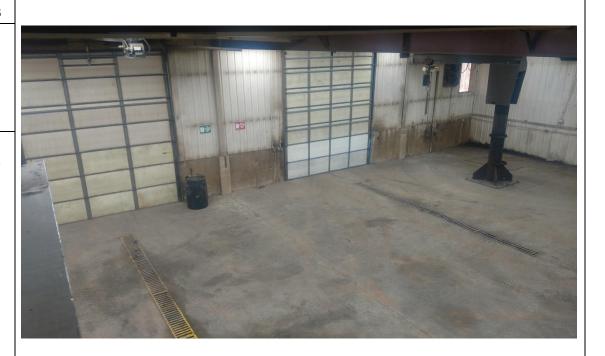


Photo No.

to No. Date: 6/12/18

Direction Photo Taken:

East

# **Description:**

Building #2 - Steel plates covering indicated location of oil/water separator.





**Facility Name:** 

American Casing and Equipment

Site Location:

2721 W. Front Street, Williston, ND 58801

**Project No.** 60578936

Photo No.

Date:

6/12/18

Direction Photo Taken:

i akeii.

North

# **Description:**

Building #2 - used oil heater and associated staining on floor and walls.



Photo No.

**Date:** 6/12/18

Direction Photo Taken:

South

# **Description:**

Building #2 - Open containers of petroleum products including oil and antifreeze.





**Facility Name:** 

American Casing and Equipment

Site Location:

2721 W. Front Street, Williston, ND 58801

**Project No.** 60578936

Photo No.

Date:

6/12/18

**Direction Photo** 

Taken:

North

# Description:

Building #2 – Empty drums with no tops. Some drums labeled "solvent".



Photo No.

**Date:** 6/12/18

Direction Photo Taken:

West

# **Description:**

Building #2 – Exterior tank labeled solvent with no secondary containment.





**Facility Name:** 

American Casing and Equipment

Site Location:

2721 W. Front Street, Williston, ND 58801

**Project No.** 60578936

Photo No.

Date:

6/12/18

Direction Photo Taken:

West

Description:

Building #3 – 250-gallon fuel and 1,000-gallon single-walled tanks.



Photo No.

14

**Date:** 6/12/18

Direction Photo Taken:

South

# **Description:**

Building #3 – Overview of shop area with oil burner on left and extensive floor staining.





Facility Name: American Casing and Equipment Site Location:

2721 W. Front Street, Williston, ND 58801

**Project No.** 60578936

Photo No.

**Date:** 6/12/18

Direction Photo Taken:

South

# Description:

Building #3 – Unlabeled drums. Placed on pallet with no secondary containment. Minor concrete floor staining.



Photo No.

**Date:** 6/12/18

Direction Photo Taken:

West

# **Description:**

Building #3 – Open containers of petroleum products, with staining confined to immediate area on concrete floor, placed on pallet with no secondary containment.





**Facility Name:** 

American Casing and Equipment

Site Location:

2721 W. Front Street, Williston, ND 58801

**Project No.** 60578936

Photo No.

Date:

17 6/12/18 Direction Photo

North

Taken:

Description:

Building #3 – Unlabeled drum with evidence of corrosion and possible leakage of contents onto surrounding concrete floor.



Photo No.

**Date:** 6/12/18

Direction Photo Taken:

North

# **Description:**

Building #3 – The sink was heavily stained and reportedly discharged directly to the onsite septic system.





**Facility Name:** 

American Casing and Equipment

Site Location:

2721 W. Front Street, Williston, ND 58801

**Project No.** 60578936

Photo No.

Date:

6/12/18

**Direction Photo** 

Taken:

South

Description:

Building #3 – Release from used oil tank with possible migration outside on to concrete apron.



Photo No. 20

**Date:** 6/12/18

Direction Photo Taken:

West

Description:

Building #3 – Staining of outside walls with apparent petroleum products.





**Facility Name:** 

American Casing and Equipment

Site Location:

2721 W. Front Street, Williston, ND 58801

**Project No.** 60578936

Photo No.

**Date:** 6/12/18

Direction Photo Taken:

South

# **Description:**

Building #3 – Trench drain surrounded by extensive petroleum product staining.



Photo No. 22

**Date:** 6/12/18

Direction Photo Taken:

South

# **Description:**

Building #3 – Trench drain full of water and petroleum products.





**Facility Name:** 

American Casing and Equipment

Site Location:

2721 W. Front Street, Williston, ND 58801

**Project No.** 60578936

Photo No. 23

Date:

6/12/18

Direction Photo Taken:

South

Description:

Building #4 – Interior with sediment drain present.



Photo No. 24

**Date:** 6/12/18

Direction Photo Taken:

West

**Description:** 

Building #5 – Sand storage



**Appendix B Environmental Database Report** 

July, 2018

**American Casing and Equipment** 

2721 W Front St Williston, ND 58801

Inquiry Number: 5312194.2s

May 25, 2018

# The EDR Radius Map™ Report with GeoCheck®



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with any questions or comments.

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

2721 W FRONT ST WILLISTON, ND 58801

#### **COORDINATES**

Latitude (North): 48.1435390 - 48° 8' 36.74" Longitude (West): 103.6633620 - 103° 39' 48.10"

Universal Tranverse Mercator: Zone 13 UTM X (Meters): 599432.4 UTM Y (Meters): 5332899.0

Elevation: 1853 ft. above sea level

#### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 6045515 WILLISTON WEST, ND

Version Date: 2014

# AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20150925 Source: USDA

# MAPPED SITES SUMMARY

Target Property Address: 2721 W FRONT ST WILLISTON, ND 58801

Click on Map ID to see full detail.

MA	P			RELATIVE	DIST (ft. & mi.)
ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	ELEVATION	DIRECTION
Reg	LAKE SAKAKAWEA		DOD	Same	3212, 0.608, SSW
1	WESTSIDE FUEL (CONOC	3117 W 2ND ST	LUST, UST	Higher	876, 0.166, WSW

#### TARGET PROPERTY SEARCH RESULTS

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

#### **DATABASES WITH NO MAPPED SITES**

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

#### STANDARD ENVIRONMENTAL RECORDS

#### Federal Delisted NPL site list

Delisted NPL...... National Priority List Deletions

#### Federal CERCLIS list

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

#### Federal CERCLIS NFRAP site list

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

#### Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

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

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

#### Federal RCRA generators list

RCRA-LQG\_\_\_\_\_\_RCRA - Large Quantity Generators
RCRA-SQG\_\_\_\_\_\_RCRA - Small Quantity Generators

RCRA-CESQG...... RCRA - Conditionally Exempt Small Quantity Generator

## Federal institutional controls / engineering controls registries

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

US INST CONTROL..... Sites with Institutional Controls Federal ERNS list ERNS..... Emergency Response Notification System State- and tribal - equivalent CERCLIS SHWS\_\_\_\_\_\_This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list. State and tribal landfill and/or solid waste disposal site lists SWF/LF..... Solid Waste Landfills/Special Use Landfills State and tribal leaking storage tank lists INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land State and tribal registered storage tank lists FEMA UST..... Underground Storage Tank Listing AST..... Aboveground Storage Tank Listing INDIAN UST..... Underground Storage Tanks on Indian Land State and tribal institutional control / engineering control registries AUL.....Land Use Controls Listing State and tribal voluntary cleanup sites INDIAN VCP...... Voluntary Cleanup Priority Listing State and tribal Brownfields sites BROWNFIELDS\_\_\_\_\_List of Brownfields Sites ADDITIONAL ENVIRONMENTAL RECORDS Local Brownfield lists US BROWNFIELDS..... A Listing of Brownfields Sites Local Lists of Landfill / Solid Waste Disposal Sites ..... Recycling Centers INDIAN ODI\_\_\_\_\_ Report on the Status of Open Dumps on Indian Lands ..... Open Dump Inventory DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations IHS OPEN DUMPS..... Open Dumps on Indian Land Local Lists of Hazardous waste / Contaminated Sites US HIST CDL..... Delisted National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

SPILLS..... State Spills

Other Ascertainable Records

RCRA NonGen / NLR\_\_\_\_\_\_ RCRA - Non Generators / No Longer Regulated

FUDS..... Formerly Used Defense Sites

SCRD DRYCLEANERS...... State Coalition for Remediation of Drycleaners Listing

US FIN ASSUR..... Financial Assurance Information

EPA WATCH LIST..... EPA WATCH LIST

TSCA...... Toxic Substances Control Act

TRIS...... Toxic Chemical Release Inventory System

RMP..... Risk Management Plans

RAATS...... RCRA Administrative Action Tracking System

ICIS...... Integrated Compliance Information System

FTTS......FIFŘA/ 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 ECHO..... Enforcement & Compliance History Information

FUELS PROGRAM..... EPA Fuels Program Registered Listing

AIRS\_\_\_\_\_\_\_Permitted Airs Facility Listing
DRYCLEANERS\_\_\_\_\_\_Drycleaner Facility Listing
NPDES\_\_\_\_\_\_\_Wastewater Facility Listing
TIER 2\_\_\_\_\_\_Tier 2 Information Listing

UIC...... Underground Injection Wells

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

#### **EDR Exclusive Records**

EDR MGP	<b>EDR Proprietary Manufactured Gas Plants</b>
	EDR Exclusive Historical Auto Stations
EDR Hist Cleaner	EDR Exclusive Historical Cleaners

#### **EDR RECOVERED GOVERNMENT ARCHIVES**

#### Exclusive Recovered Govt. Archives

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

## State and tribal leaking storage tank lists

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

A review of the LUST list, as provided by EDR, and dated 02/26/2018 has revealed that there is 1 LUST site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WESTSIDE FUEL (CONOC	3117 W 2ND ST	WSW 1/8 - 1/4 (0.166 mi.)	1	8

Facility Id: 265
Facility Status: Site Cleanup Completed

#### State and tribal registered storage tank lists

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

A review of the UST list, as provided by EDR, and dated 02/26/2018 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
WESTSIDE FUEL (CONOC Facility Status: Active	3117 W 2ND ST	WSW 1/8 - 1/4 (0.166 mi.)	1	8
Facility Id: 265				

#### ADDITIONAL ENVIRONMENTAL RECORDS

#### Other Ascertainable Records

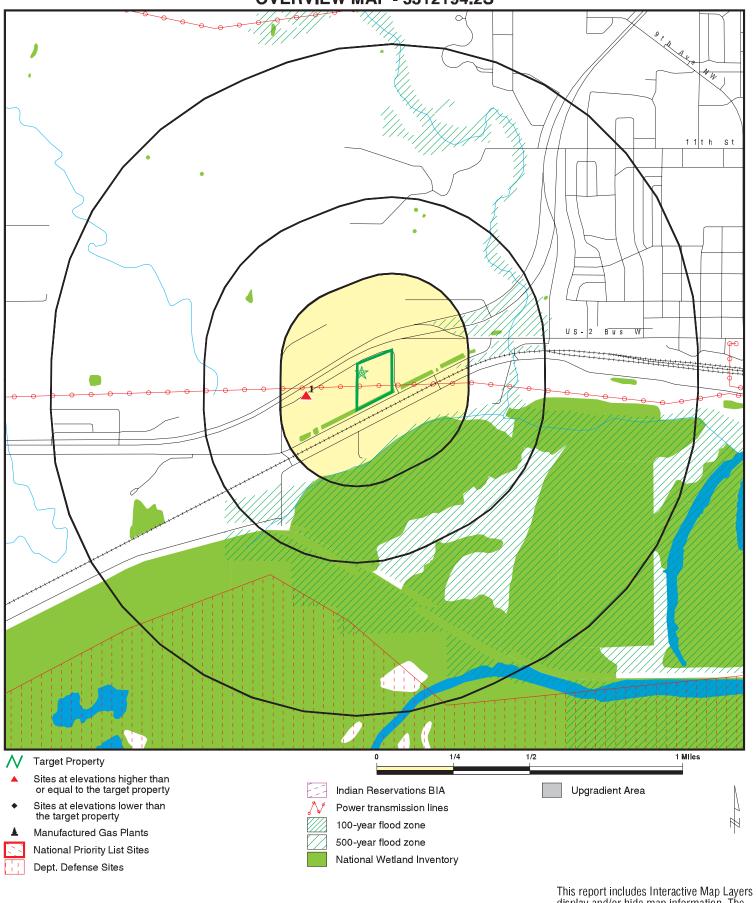
DOD: Consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

A review of the DOD list, as provided by EDR, and dated 12/31/2005 has revealed that there is 1 DOD site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LAKE SAKAKAWEA		SSW 1/2 - 1 (0.608 mi.)	0	8

Due to poor or inadequate address information, the following sites were not mapp	ed. Count: 1 records.
Site Name	Database(s)
	CDL

# **OVERVIEW MAP - 5312194.2S**



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

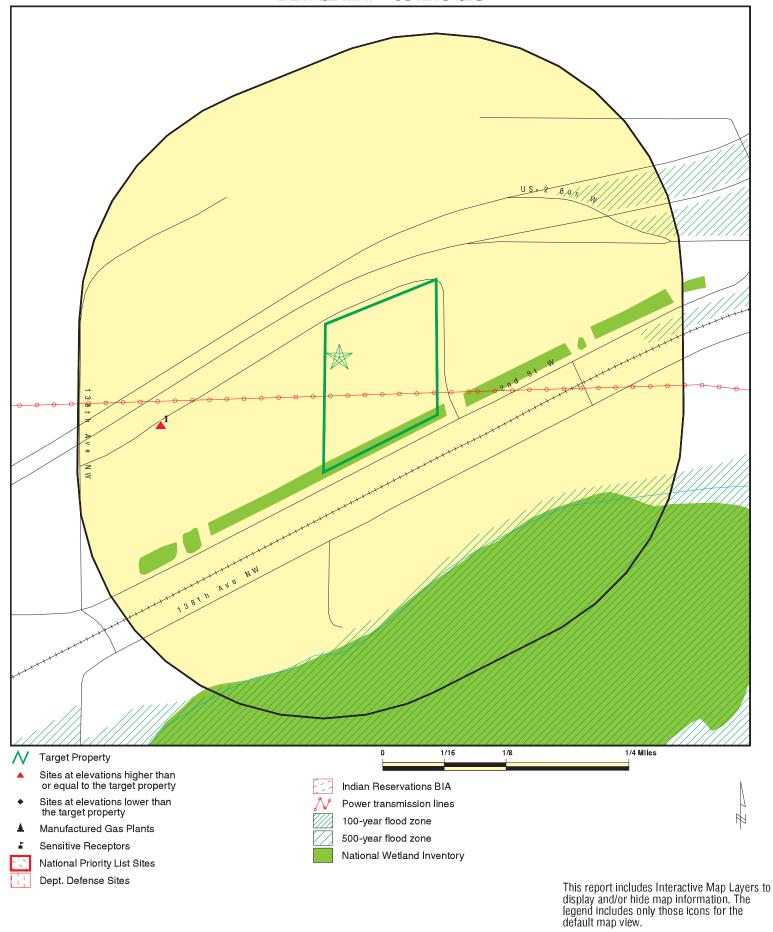
SITE NAME: American Casing and Equipment

ADDRESS: 2721 W Front St

Williston ND 58801 LAT/LONG: 48.143539 / 103.663362 CLIENT: AECOM CONTACT: Ryan Klute INQUIRY #: 5312194.2s

DATE: May 25, 2018 12:44 pm

# **DETAIL MAP - 5312194.2S**



SITE NAME: American Casing and Equipment

ADDRESS: 2721 W Front St

Williston ND 58801

LAT/LONG: 48.143539 / 103.663362

CLIENT: AECOM

CONTACT: Ryan Klute

INQUIRY #: 5312194.2s

DATE: May 25, 2018 12:45 pm

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENT	TAL RECORDS							
Federal NPL site list								
NPL Proposed NPL NPL LIENS	1.000 1.000 TP		0 0 NR	0 0 NR	0 0 NR	0 0 NR	NR NR NR	0 0 0
Federal Delisted NPL sit	e list							
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY SEMS	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
Federal CERCLIS NFRAI	P site list							
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRAC	TS facilities li	st						
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-COR	RACTS TSD f	acilities list						
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generator	s list							
RCRA-LQG RCRA-SQG RCRA-CESQG	0.250 0.250 0.250		0 0 0	0 0 0	NR NR NR	NR NR NR	NR NR NR	0 0 0
Federal institutional con engineering controls reg								
LUCIS US ENG CONTROLS US INST CONTROL	0.500 0.500 0.500		0 0 0	0 0 0	0 0 0	NR NR NR	NR NR NR	0 0 0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equiva	lent CERCLIS	3						
SHWS	N/A		N/A	N/A	N/A	N/A	N/A	N/A
State and tribal landfill a solid waste disposal site								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking s	storage tank l	ists						
LUST INDIAN LUST	0.500 0.500		0 0	1 0	0 0	NR NR	NR NR	1 0
State and tribal registere	ed storage tan	ık lists						
FEMA UST	0.250		0	0	NR	NR	NR	0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
UST AST INDIAN UST	0.250 0.250 0.250		0 0 0	1 0 0	NR NR NR	NR NR NR	NR NR NR	1 0 0
State and tribal institution control / engineering con		;						
AUL	0.500		0	0	0	NR	NR	0
State and tribal voluntary	cleanup site	s						
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfie	lds sites							
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMEN	TAL RECORDS							
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / S Waste Disposal Sites	olid							
SWRCY INDIAN ODI ODI DEBRIS REGION 9 IHS OPEN DUMPS	0.500 0.500 0.500 0.500 0.500		0 0 0 0	0 0 0 0	0 0 0 0	NR NR NR NR NR	NR NR NR NR NR	0 0 0 0
Local Lists of Hazardous Contaminated Sites	waste /							
US HIST CDL CDL US CDL	TP TP TP		NR NR NR	NR NR NR	NR NR NR	NR NR NR	NR NR NR	0 0 0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency R	elease Repor	ts						
HMIRS SPILLS	TP TP		NR NR	NR NR	NR NR	NR NR	NR NR	0 0
Other Ascertainable Reco	ords							
RCRA NonGen / NLR FUDS DOD SCRD DRYCLEANERS US FIN ASSUR EPA WATCH LIST 2020 COR ACTION TSCA TRIS	0.250 1.000 1.000 0.500 TP TP 0.250 TP		0 0 0 NR NR NR 0 NR	0 0 0 0 NR NR 0 NR	NR 0 0 0 NR NR NR NR	NR 0 1 NR NR NR NR NR	NR NR NR NR NR NR NR	0 0 1 0 0 0 0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	Ö
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 UXO	TP		NR	NR	NR	NR 0	NR	0
DOCKET HWC	1.000 TP		0 NR	0 NR	0 NR	NR	NR NR	0 0
ECHO	TP		NR	NR	NR NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
AIRS	0.230 TP		NR	NR	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
TIER 2	TP		NR	NR	NR	NR	NR	ŏ
UIC	TP		NR	NR	NR	NR	NR	Ö
EDR HIGH RISK HISTORICA								· ·
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Go	ovt. Archives							
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals		0	0	2	0	1	0	3

Search

Distance (Miles)

Target Property

< 1/8 1/8 - 1/4

1/4 - 1/2

1/2 - 1 > 1

Total Plotted

#### NOTES:

Database

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

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

Map ID MAP FINDINGS

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

DOD **LAKE SAKAKAWEA** DOD CUSA100520 Region N/A

SSW 1/2-1 3212 ft.

LAKE SAKAKAWEA (County), ND

DOD:

Feature 1: Army Corps of Engineers DOD

Feature 2: Not reported Feature 3: Not reported URL: Not reported Name 1: Lake Sakakawea Not reported Name 2: Name 3: Not reported

State: ND DOD Site: Yes

**NDMOUNTRAIL** Tile name:

**WESTSIDE FUEL (CONOCO)** LUST U003037485

wsw 3117 W 2ND ST 1/8-1/4 0.166 mi. 876 ft.

WILLISTON, ND 58802

LUST: Relative: Higher Facility ID:

265 Facility Status: Site Cleanup Completed Actual:

Facility Latitude: 48.141569 1855 ft.

Facility Longitude: -103.66885 Status Date: 07/29/1997 Event ID: 265

Owner Name: WESTSIDE FUEL INC Owner Address: PO BOX 1987

Owner City, St, Zip: WILLISTON, ND 58802-1987

UST:

Facility ID: 265 Facility Status: Active Facility Phone: 7017741810

Owner Name: WESTSIDE FUEL INC

Owner Address: PO BOX 1987

Owner City,St,Zip: WILLISTON, ND 58802-1987

Latitude: 48.141569 Longitude: -103.66885 UST

N/A

Count: 1 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
WILLISTON	S108050931		2ND AVENUE WEST		CDL

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

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

#### STANDARD ENVIRONMENTAL RECORDS

#### Federal NPL site list

NPL: National Priority List

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

Date of Government Version: 12/11/2017 Source: EPA
Date Data Arrived at EDR: 12/22/2017 Telephone: N/A

Number of Days to Update: 14 Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Quarterly

**NPL Site Boundaries** 

Sources

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1 EPA Region 6

Telephone 617-918-1143 Telephone: 214-655-6659

EPA Region 3 EPA Region 7

Telephone 215-814-5418 Telephone: 913-551-7247

EPA Region 4 EPA Region 8

Telephone 404-562-8033 Telephone: 303-312-6774

EPA Region 5 EPA Region 9

Telephone 312-886-6686 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: 12/11/2017 Source: EPA
Date Data Arrived at EDR: 12/22/2017 Telephone: N/A

Number of Days to Update: 14 Next Scheduled EDR Contact: 07/16/2018
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

#### Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

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

Source: EPA

Date of Government Version: 12/11/2017 Date Data Arrived at EDR: 12/22/2017 Date Made Active in Reports: 01/05/2018

Number of Days to Update: 14

Telephone: N/A

Last EDR Contact: 04/27/2018

Next Scheduled EDR Contact: 07/16/2018 Data Release Frequency: Quarterly

#### Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

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

Date of Government Version: 11/07/2016 Date Data Arrived at EDR: 01/05/2017 Date Made Active in Reports: 04/07/2017

Number of Days to Update: 92

Source: Environmental Protection Agency

Telephone: 703-603-8704 Last EDR Contact: 04/06/2018

Next Scheduled EDR Contact: 07/16/2018 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: 01/09/2018 Date Data Arrived at EDR: 02/06/2018 Date Made Active in Reports: 04/13/2018

Number of Days to Update: 66

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 04/27/2018

Next Scheduled EDR Contact: 07/30/2018 Data Release Frequency: Quarterly

#### Federal CERCLIS NFRAP site list

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: 01/09/2018 Date Data Arrived at EDR: 02/06/2018 Date Made Active in Reports: 04/13/2018

Number of Days to Update: 66

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 04/27/2018

Next Scheduled EDR Contact: 07/30/2018 Data Release Frequency: Quarterly

#### Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/11/2017 Date Data Arrived at EDR: 12/26/2017 Date Made Active in Reports: 02/09/2018

Number of Days to Update: 45

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 03/28/2018

Next Scheduled EDR Contact: 07/09/2018 Data Release Frequency: Quarterly

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

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

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

Date of Government Version: 12/11/2017 Date Data Arrived at EDR: 12/26/2017 Date Made Active in Reports: 02/09/2018

Number of Days to Update: 45

Source: Environmental Protection Agency

Telephone: 303-312-6149 Last EDR Contact: 03/28/2018

Next Scheduled EDR Contact: 07/09/2018 Data Release Frequency: Quarterly

#### Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 12/11/2017 Date Data Arrived at EDR: 12/26/2017 Date Made Active in Reports: 02/09/2018

Number of Days to Update: 45

Source: Environmental Protection Agency Telephone: 303-312-6149

Last EDR Contact: 03/28/2018

Next Scheduled EDR Contact: 07/09/2018 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: 12/11/2017 Date Data Arrived at EDR: 12/26/2017 Date Made Active in Reports: 02/09/2018

Number of Days to Update: 45

Source: Environmental Protection Agency

Telephone: 303-312-6149 Last EDR Contact: 03/28/2018

Next Scheduled EDR Contact: 07/09/2018 Data Release Frequency: Quarterly

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

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

Date of Government Version: 12/11/2017 Date Data Arrived at EDR: 12/26/2017 Date Made Active in Reports: 02/09/2018

Number of Days to Update: 45

Source: Environmental Protection Agency

Telephone: 303-312-6149 Last EDR Contact: 03/28/2018

Next Scheduled EDR Contact: 07/09/2018 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: 02/16/2018 Date Data Arrived at EDR: 02/22/2018 Date Made Active in Reports: 05/11/2018

Number of Days to Update: 78

Source: Department of the Navy Telephone: 843-820-7326 Last EDR Contact: 05/09/2018

Next Scheduled EDR Contact: 08/27/2018
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: 02/13/2018 Date Data Arrived at EDR: 02/27/2018 Date Made Active in Reports: 05/11/2018

Number of Days to Update: 73

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 02/27/2018

Next Scheduled EDR Contact: 06/11/2018 Data Release Frequency: Varies

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

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

Date of Government Version: 02/13/2018 Date Data Arrived at EDR: 02/27/2018 Date Made Active in Reports: 05/11/2018

Number of Days to Update: 73

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 02/27/2018

Next Scheduled EDR Contact: 06/11/2018

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: 01/16/2018 Date Data Arrived at EDR: 01/19/2018 Date Made Active in Reports: 03/23/2018

Number of Days to Update: 63

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180 Last EDR Contact: 03/27/2018

Next Scheduled EDR Contact: 07/09/2018 Data Release Frequency: Quarterly

#### State- and tribal - equivalent CERCLIS

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

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

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

Number of Days to Update: N/A

Source: Department of Health Telephone: 701-328-5166 Last EDR Contact: 05/17/2018

Next Scheduled EDR Contact: 09/03/2018

Data Release Frequency: N/A

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

SWF/LF: Solid Waste Landfills/Special Use Landfills

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

Date of Government Version: 10/24/2017 Date Data Arrived at EDR: 10/25/2017 Date Made Active in Reports: 12/11/2017

Number of Days to Update: 47

Source: Department of Health Telephone: 701-328-5166 Last EDR Contact: 04/25/2018

Next Scheduled EDR Contact: 08/06/2018 Data Release Frequency: Quarterly

#### State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank List

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

Date of Government Version: 02/26/2018 Date Data Arrived at EDR: 02/28/2018 Date Made Active in Reports: 03/23/2018

Number of Days to Update: 23

Source: Department of Health Telephone: 701-328-5166 Last EDR Contact: 02/28/2018

Next Scheduled EDR Contact: 06/11/2018 Data Release Frequency: Quarterly

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

Date of Government Version: 10/24/2017 Date Data Arrived at EDR: 01/23/2018 Date Made Active in Reports: 04/13/2018

Number of Days to Update: 80

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 05/18/2018

Next Scheduled EDR Contact: 08/06/2018 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: 10/12/2017 Date Data Arrived at EDR: 01/23/2018 Date Made Active in Reports: 04/13/2018

Number of Days to Update: 80

Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 05/18/2018

Next Scheduled EDR Contact: 08/06/2018 Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/12/2017 Date Data Arrived at EDR: 01/23/2018 Date Made Active in Reports: 04/13/2018

Number of Days to Update: 80

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 05/18/2018

Next Scheduled EDR Contact: 08/06/2018 Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 01/06/2018 Date Data Arrived at EDR: 01/23/2018 Date Made Active in Reports: 04/13/2018

Number of Days to Update: 80

Source: EPA Region 6 Telephone: 214-665-6597 Last EDR Contact: 05/18/2018

Next Scheduled EDR Contact: 08/06/2018 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: 10/14/2017 Date Data Arrived at EDR: 01/23/2018 Date Made Active in Reports: 04/13/2018

Number of Days to Update: 80

Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 05/16/2018

Next Scheduled EDR Contact: 08/06/2018 Data Release Frequency: Varies

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

Date of Government Version: 10/14/2017 Date Data Arrived at EDR: 01/23/2018 Date Made Active in Reports: 04/13/2018

Number of Days to Update: 80

Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 05/18/2018

Next Scheduled EDR Contact: 08/06/2018 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: 10/16/2017 Date Data Arrived at EDR: 01/23/2018 Date Made Active in Reports: 04/13/2018

Number of Days to Update: 80

Source: EPA, Region 5 Telephone: 312-886-7439 Last EDR Contact: 05/18/2018

Next Scheduled EDR Contact: 08/06/2018 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: 09/30/2017 Date Data Arrived at EDR: 01/23/2018 Date Made Active in Reports: 04/13/2018

Number of Days to Update: 80

Source: Environmental Protection Agency Telephone: 415-972-3372

Last EDR Contact: 05/18/2018

Next Scheduled EDR Contact: 08/06/2018 Data Release Frequency: Varies

#### State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 05/15/2017 Date Data Arrived at EDR: 05/30/2017 Date Made Active in Reports: 10/13/2017

Number of Days to Update: 136

Source: FEMA

Telephone: 202-646-5797 Last EDR Contact: 04/13/2018

Next Scheduled EDR Contact: 07/23/2018 Data Release Frequency: Varies

UST: Underground Storage Tank Data

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

Date of Government Version: 02/26/2018 Date Data Arrived at EDR: 02/28/2018 Date Made Active in Reports: 03/23/2018

Number of Days to Update: 23

Source: Department of Health Telephone: 701-328-5166 Last EDR Contact: 02/28/2018

Next Scheduled EDR Contact: 06/11/2018 Data Release Frequency: Quarterly

AST: Aboveground Storage Tank Listing Registered Aboveground Storage Tanks.

Date of Government Version: 01/23/2018 Date Data Arrived at EDR: 01/26/2018 Date Made Active in Reports: 03/01/2018

Number of Days to Update: 34

Source: Department of Insurance Telephone: 701-328-3246 Last EDR Contact: 04/18/2018

Next Scheduled EDR Contact: 08/06/2018 Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land

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

Date of Government Version: 01/13/2018 Date Data Arrived at EDR: 01/23/2018 Date Made Active in Reports: 04/13/2018

Number of Days to Update: 80

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 05/18/2018

Next Scheduled EDR Contact: 08/06/2018 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: 04/24/2017 Date Data Arrived at EDR: 07/27/2017 Date Made Active in Reports: 12/08/2017

Number of Days to Update: 134

Source: EPA Region 6 Telephone: 214-665-7591 Last EDR Contact: 05/18/2018

Next Scheduled EDR Contact: 08/06/2018 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: 10/12/2017 Date Data Arrived at EDR: 01/23/2018 Date Made Active in Reports: 04/13/2018

Number of Days to Update: 80

Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 05/18/2018

Next Scheduled EDR Contact: 08/06/2018 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: 10/14/2017 Date Data Arrived at EDR: 01/23/2018 Date Made Active in Reports: 04/13/2018

Number of Days to Update: 80

Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 05/18/2018

Next Scheduled EDR Contact: 08/06/2018 Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/14/2017 Date Data Arrived at EDR: 01/23/2018 Date Made Active in Reports: 04/13/2018

Number of Days to Update: 80

Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 05/16/2018

Next Scheduled EDR Contact: 08/06/2018 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: 10/24/2017 Date Data Arrived at EDR: 01/23/2018 Date Made Active in Reports: 04/13/2018

Number of Days to Update: 80

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 05/18/2018

Next Scheduled EDR Contact: 08/06/2018 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: 10/16/2017 Date Data Arrived at EDR: 01/23/2018 Date Made Active in Reports: 04/13/2018

Number of Days to Update: 80

Source: EPA Region 5 Telephone: 312-886-6136 Last EDR Contact: 05/18/2018

Next Scheduled EDR Contact: 08/06/2018 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: 09/30/2017 Date Data Arrived at EDR: 01/23/2018 Date Made Active in Reports: 04/13/2018

Number of Days to Update: 80

Source: EPA Region 9 Telephone: 415-972-3368 Last EDR Contact: 05/18/2018

Next Scheduled EDR Contact: 08/06/2018 Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

AUL: Land Use Controls Listing

Land-Use Controls (LUCs) are defined broadly as legal measures that limit human exposure by restricting activity, use, and access to properties with residual contamination.

Date of Government Version: 12/31/2017 Date Data Arrived at EDR: 02/28/2018 Date Made Active in Reports: 03/23/2018

Number of Days to Update: 23

Source: Department of Health Telephone: 701-328-5158 Last EDR Contact: 02/28/2018

Next Scheduled EDR Contact: 06/11/2018 Data Release Frequency: Semi-Annually

#### State and tribal voluntary cleanup sites

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: 04/20/2009

Next Scheduled EDR Contact: 07/20/2009 Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

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

Date of Government Version: 07/27/2015 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: 03/21/2018

Next Scheduled EDR Contact: 07/09/2018 Data Release Frequency: Varies

#### State and tribal Brownfields sites

BROWNFIELDS: List of Brownfields Sites

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

Date of Government Version: 01/10/2018 Date Data Arrived at EDR: 03/05/2018 Date Made Active in Reports: 03/23/2018

Number of Days to Update: 18

Source: Department of Health Telephone: 701-328-5166 Last EDR Contact: 05/17/2018

Next Scheduled EDR Contact: 09/03/2018 Data Release Frequency: Semi-Annually

## 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: 01/19/2018 Date Data Arrived at EDR: 01/19/2018 Date Made Active in Reports: 02/09/2018

Number of Days to Update: 21

Source: Environmental Protection Agency

Telephone: 202-566-2777 Last EDR Contact: 03/21/2018

Next Scheduled EDR Contact: 07/02/2018 Data Release Frequency: Semi-Annually

## Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: Recycling Centers

A listing of recycling center locations.

Date of Government Version: 04/28/2016 Date Data Arrived at EDR: 06/09/2016 Date Made Active in Reports: 07/18/2016

Number of Days to Update: 39

Source: Department of Health Telephone: 701-328-5266 Last EDR Contact: 03/09/2018

Next Scheduled EDR Contact: 06/18/2018 Data Release Frequency: Varies

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: 01/30/2018

Next Scheduled EDR Contact: 05/14/2018 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: 04/18/2018

Next Scheduled EDR Contact: 08/06/2018

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: 05/04/2018

Next Scheduled EDR Contact: 08/13/2018

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: 02/22/2018 Date Data Arrived at EDR: 03/01/2018 Date Made Active in Reports: 05/11/2018

Number of Days to Update: 71

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 02/27/2018

Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: No Update Planned

CDL: Clandestine Drug Lab Location Listing

A listing of clandestine drug lab locations in North Dakota.

Date of Government Version: 06/07/2016 Date Data Arrived at EDR: 08/29/2016 Date Made Active in Reports: 10/04/2016

Number of Days to Update: 36

Source: Bureau of Criminal Investigation Telephone: 701-328-8171

Last EDR Contact: 05/23/2018

Next Scheduled EDR Contact: 09/10/2018 Data Release Frequency: Varies

## US CDL: Clandestine Drug Labs

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

Date of Government Version: 02/22/2018 Date Data Arrived at EDR: 03/01/2018 Date Made Active in Reports: 05/11/2018

Number of Days to Update: 71

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 02/27/2018

Next Scheduled EDR Contact: 06/11/2018 Data Release Frequency: Quarterly

#### Local Land Records

#### LIENS 2: CERCLA Lien Information

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

Date of Government Version: 01/09/2018 Date Data Arrived at EDR: 02/06/2018 Date Made Active in Reports: 05/11/2018

Number of Days to Update: 94

Source: Environmental Protection Agency

Telephone: 202-564-6023 Last EDR Contact: 04/27/2018

Next Scheduled EDR Contact: 08/06/2018 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: 01/19/2018 Date Data Arrived at EDR: 01/19/2018 Date Made Active in Reports: 03/23/2018

Number of Days to Update: 63

Source: U.S. Department of Transportation

Telephone: 202-366-4555 Last EDR Contact: 03/27/2018

Next Scheduled EDR Contact: 07/09/2018 Data Release Frequency: Quarterly

SPILLS: State Spills

A listing of Department of Health spill records.

Date of Government Version: 02/12/2018 Date Data Arrived at EDR: 02/13/2018 Date Made Active in Reports: 03/29/2018

Number of Days to Update: 44

Source: Dept. of Health Telephone: 701-328-5150 Last EDR Contact: 04/06/2018

Next Scheduled EDR Contact: 07/23/2018 Data Release Frequency: Varies

## Other Ascertainable Records

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

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

Date of Government Version: 12/11/2017 Date Data Arrived at EDR: 12/26/2017 Date Made Active in Reports: 02/09/2018

Number of Days to Update: 45

Source: Environmental Protection Agency

Telephone: 303-312-6149 Last EDR Contact: 03/28/2018

Next Scheduled EDR Contact: 07/09/2018 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: 01/31/2015 Date Data Arrived at EDR: 07/08/2015 Date Made Active in Reports: 10/13/2015

Number of Days to Update: 97

Source: U.S. Army Corps of Engineers

Telephone: 202-528-4285 Last EDR Contact: 02/21/2018

Next Scheduled EDR Contact: 06/04/2018 Data Release Frequency: Varies

#### DOD: Department of Defense Sites

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

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

Number of Days to Update: 62

Source: USGS

Telephone: 888-275-8747 Last EDR Contact: 04/13/2018

Next Scheduled EDR Contact: 07/23/2018 Data Release Frequency: Semi-Annually

## FEDLAND: Federal and Indian Lands

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

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

Number of Days to Update: 339

Source: U.S. Geological Survey Telephone: 888-275-8747 Last EDR Contact: 04/11/2018

Next Scheduled EDR Contact: 07/23/2018

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: 05/15/2018

Next Scheduled EDR Contact: 08/27/2018 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: 01/11/2018 Date Data Arrived at EDR: 01/19/2018 Date Made Active in Reports: 03/02/2018

Number of Days to Update: 42

Source: Environmental Protection Agency

Telephone: 202-566-1917 Last EDR Contact: 03/27/2018

Next Scheduled EDR Contact: 07/09/2018 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: 05/07/2018

Next Scheduled EDR Contact: 08/20/2018 Data Release Frequency: Quarterly

## 2020 COR ACTION: 2020 Corrective Action Program List

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

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

Number of Days to Update: 6

Source: Environmental Protection Agency

Telephone: 703-308-4044 Last EDR Contact: 05/08/2018

Next Scheduled EDR Contact: 08/20/2018 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: 06/21/2017 Date Made Active in Reports: 01/05/2018

Number of Days to Update: 198

Source: EPA

Telephone: 202-260-5521 Last EDR Contact: 03/23/2018

Next Scheduled EDR Contact: 07/02/2018 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: 12/31/2016 Date Data Arrived at EDR: 01/10/2018 Date Made Active in Reports: 01/12/2018

Number of Days to Update: 2

Source: EPA

Telephone: 202-566-0250 Last EDR Contact: 02/23/2018

Next Scheduled EDR Contact: 06/04/2018 Data Release Frequency: Annually

## SSTS: Section 7 Tracking Systems

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

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

Number of Days to Update: 77

Source: EPA

Telephone: 202-564-4203 Last EDR Contact: 04/09/2018

Next Scheduled EDR Contact: 08/06/2018 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: 01/09/2018 Date Data Arrived at EDR: 02/06/2018 Date Made Active in Reports: 05/11/2018

Number of Days to Update: 94

Source: EPA

Telephone: 703-416-0223 Last EDR Contact: 04/27/2018

Next Scheduled EDR Contact: 06/18/2018 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: 11/02/2017 Date Data Arrived at EDR: 11/17/2017 Date Made Active in Reports: 12/08/2017

Number of Days to Update: 21

Source: Environmental Protection Agency

Telephone: 202-564-8600 Last EDR Contact: 04/20/2018

Next Scheduled EDR Contact: 08/06/2018 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: 10/25/2013 Date Data Arrived at EDR: 10/17/2014 Date Made Active in Reports: 10/20/2014

Number of Days to Update: 3

Source: EPA

Telephone: 202-564-6023 Last EDR Contact: 04/27/2018

Next Scheduled EDR Contact: 08/20/2018 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: 06/01/2017 Date Data Arrived at EDR: 06/09/2017 Date Made Active in Reports: 10/13/2017

Number of Days to Update: 126

Source: EPA

Telephone: 202-566-0500 Last EDR Contact: 04/13/2018

Next Scheduled EDR Contact: 07/23/2018 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: 04/09/2018

Next Scheduled EDR Contact: 07/23/2018 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: Quarterly

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

Date of Government Version: 04/09/2009 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: Quarterly

MLTS: Material Licensing Tracking System

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

Date of Government Version: 08/30/2016 Date Data Arrived at EDR: 09/08/2016 Date Made Active in Reports: 10/21/2016

Number of Days to Update: 43

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169 Last EDR Contact: 05/03/2018

Next Scheduled EDR Contact: 08/20/2018 Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

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

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 08/07/2009 Date Made Active in Reports: 10/22/2009

Number of Days to Update: 76

Source: Department of Energy Telephone: 202-586-8719 Last EDR Contact: 03/09/2018

Next Scheduled EDR Contact: 06/18/2018 Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

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

Date of Government Version: 07/01/2014 Date Data Arrived at EDR: 09/10/2014 Date Made Active in Reports: 10/20/2014

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: N/A

Last EDR Contact: 03/06/2018

Next Scheduled EDR Contact: 06/18/2018 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: 05/24/2017 Date Data Arrived at EDR: 11/30/2017 Date Made Active in Reports: 12/15/2017

Number of Days to Update: 15

Source: Environmental Protection Agency

Telephone: 202-566-0517 Last EDR Contact: 04/27/2018

Next Scheduled EDR Contact: 08/06/2018 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: 01/03/2018 Date Data Arrived at EDR: 01/04/2018 Date Made Active in Reports: 04/13/2018

Number of Days to Update: 99

Source: Environmental Protection Agency

Telephone: 202-343-9775 Last EDR Contact: 04/05/2018

Next Scheduled EDR Contact: 07/16/2018 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: 07/31/2012 Date Data Arrived at EDR: 08/07/2012 Date Made Active in Reports: 09/18/2012

Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety

Telephone: 202-366-4595 Last EDR Contact: 05/03/2018

Next Scheduled EDR Contact: 08/13/2018 Data Release Frequency: Varies

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

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

Date of Government Version: 12/31/2017 Date Data Arrived at EDR: 01/24/2018 Date Made Active in Reports: 04/13/2018

Number of Days to Update: 79

Source: Department of Justice, Consent Decree Library

Telephone: Varies

Last EDR Contact: 04/06/2018

Next Scheduled EDR Contact: 07/02/2018 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: 12/31/2015 Date Data Arrived at EDR: 02/22/2017 Date Made Active in Reports: 09/28/2017

Number of Days to Update: 218

Source: EPA/NTIS Telephone: 800-424-9346 Last EDR Contact: 02/23/2018

Next Scheduled EDR Contact: 06/04/2018 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: 04/11/2018

Next Scheduled EDR Contact: 07/23/2018 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: 12/23/2016 Date Data Arrived at EDR: 12/27/2016 Date Made Active in Reports: 02/17/2017

Number of Days to Update: 52

Source: Department of Energy Telephone: 202-586-3559 Last EDR Contact: 05/07/2018

Next Scheduled EDR Contact: 08/20/2018 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: 06/23/2017 Date Data Arrived at EDR: 10/11/2017 Date Made Active in Reports: 11/03/2017

Number of Days to Update: 23

Source: Department of Energy Telephone: 505-845-0011 Last EDR Contact: 05/18/2018

Next Scheduled EDR Contact: 09/03/2018

Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 01/09/2018 Date Data Arrived at EDR: 02/06/2018 Date Made Active in Reports: 03/02/2018

Number of Days to Update: 24

Source: Environmental Protection Agency

Telephone: 703-603-8787 Last EDR Contact: 04/27/2018

Next Scheduled EDR Contact: 07/16/2018

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.

Telephone: 202-564-2496

Last EDR Contact: 09/26/2017

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

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

Source: EPA

Telephone: 202-564-2496 Last EDR Contact: 09/26/2017

Next Scheduled EDR Contact: 01/08/2018 Data Release Frequency: Annually

Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

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

Date of Government Version: 01/25/2018 Date Data Arrived at EDR: 02/28/2018 Date Made Active in Reports: 05/11/2018

Number of Days to Update: 72

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959 Last EDR Contact: 02/28/2018

Next Scheduled EDR Contact: 06/11/2018 Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

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

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

Number of Days to Update: 49

Source: USGS Telephone: 703-648-7709 Last EDR Contact: 03/02/2018

Next Scheduled EDR Contact: 06/11/2018
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: 03/02/2018

Next Scheduled EDR Contact: 06/11/2018 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: 12/20/2017 Date Data Arrived at EDR: 12/21/2017 Date Made Active in Reports: 03/23/2018

Number of Days to Update: 92

Source: Department of Interior Telephone: 202-208-2609 Last EDR Contact: 03/07/2018

Next Scheduled EDR Contact: 06/25/2018 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: 02/21/2018 Date Data Arrived at EDR: 02/23/2018 Date Made Active in Reports: 03/23/2018

Number of Days to Update: 28

Source: EPA

Telephone: (303) 312-6312 Last EDR Contact: 02/23/2018

Next Scheduled EDR Contact: 06/18/2018 Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/30/2016 Date Data Arrived at EDR: 10/31/2017 Date Made Active in Reports: 01/12/2018

Number of Days to Update: 73

Source: Department of Defense Telephone: 703-704-1564 Last EDR Contact: 04/13/2018

Next Scheduled EDR Contact: 07/30/2018 Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

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

Date of Government Version: 01/13/2018 Date Data Arrived at EDR: 01/19/2018 Date Made Active in Reports: 03/02/2018

Number of Days to Update: 42

Source: Environmental Protection Agency

Telephone: 202-564-2280 Last EDR Contact: 03/07/2018

Next Scheduled EDR Contact: 06/18/2018 Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

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

Date of Government Version: 01/04/2018 Date Data Arrived at EDR: 01/19/2018 Date Made Active in Reports: 04/13/2018

Number of Days to Update: 84

Source: Environmental Protection Agency

Telephone: 202-564-0527 Last EDR Contact: 03/02/2018

Next Scheduled EDR Contact: 06/11/2018
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: 02/20/2018 Date Data Arrived at EDR: 02/21/2018 Date Made Active in Reports: 03/23/2018

Number of Days to Update: 30

Source: EPA

Telephone: 800-385-6164 Last EDR Contact: 05/23/2018

Next Scheduled EDR Contact: 09/03/2018 Data Release Frequency: Quarterly

AIRS: Permitted Airs Facility Listing

A listing of permitted airs facility locations.

Date of Government Version: 01/23/2018 Date Data Arrived at EDR: 01/25/2018 Date Made Active in Reports: 01/30/2018

Number of Days to Update: 5

Source: Department of Health Telephone: 701-328-5188 Last EDR Contact: 04/25/2018

Next Scheduled EDR Contact: 08/06/2018 Data Release Frequency: Semi-Annually

DRYCLEANERS: Drycleaner facilities A listing of drycleaner facility locations.

> Date of Government Version: 01/23/2018 Date Data Arrived at EDR: 01/25/2018 Date Made Active in Reports: 01/30/2018

Number of Days to Update: 5

Source: Department of Health Telephone: 701-328-5188 Last EDR Contact: 04/25/2018

Next Scheduled EDR Contact: 08/06/2018 Data Release Frequency: Semi-Annually

NPDES: Wastewater Facility Listing A listing of wastewater facility locations.

> Date of Government Version: 01/12/2018 Date Data Arrived at EDR: 01/16/2018 Date Made Active in Reports: 03/01/2018

Number of Days to Update: 44

Source: Department of Health Telephone: 701-328-5260 Last EDR Contact: 04/06/2018

Next Scheduled EDR Contact: 07/23/2018 Data Release Frequency: Semi-Annually

TIER 2: Tier 2 Information Listing Tier 2 information listing.

> Date of Government Version: 12/31/2016 Date Data Arrived at EDR: 06/27/2017 Date Made Active in Reports: 10/05/2017

Number of Days to Update: 100

Source: Department of Emergency Services

Telephone: 701-328-8263 Last EDR Contact: 03/21/2018

Next Scheduled EDR Contact: 07/09/2018 Data Release Frequency: Annually

UIC: Underground Injection Wells

A listing of underground injection control wells.

Date of Government Version: 09/30/2017 Date Data Arrived at EDR: 01/31/2018 Date Made Active in Reports: 03/01/2018 Number of Days to Update: 29

Source: Department of Health Telephone: 701-328-5217 Last EDR Contact: 05/04/2018

Next Scheduled EDR Contact: 08/13/2018 Data Release Frequency: Quarterly

## **EDR HIGH RISK HISTORICAL RECORDS**

## **EDR Exclusive Records**

EDR MGP: EDR Proprietary Manufactured Gas Plants

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

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

Number of Days to Update: N/A

Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive 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.

Source: EDR, Inc.

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

Telephone: N/A Last EDR Contact: N/A Next Scheduled EDR Contact: N/A

Number of Days to Update: N/A Next Scheduled EDR Contact: N. Data Release Frequency: Varies

## **EDR RECOVERED GOVERNMENT ARCHIVES**

#### Exclusive Recovered Govt. Archives

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 Health in North Dakota.

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

Source: Department of Health 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: 01/03/2018 Date Data Arrived at EDR: 02/14/2018 Date Made Active in Reports: 03/22/2018

Number of Days to Update: 36

Source: Department of Energy & Environmental Protection

Telephone: 860-424-3375 Last EDR Contact: 05/18/2018

Next Scheduled EDR Contact: 08/27/2018 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: 12/31/2017 Date Data Arrived at EDR: 01/31/2018 Date Made Active in Reports: 03/09/2018

Number of Days to Update: 37

Source: Department of Environmental Conservation

Telephone: 518-402-8651 Last EDR Contact: 05/03/2018

Next Scheduled EDR Contact: 08/13/2018 Data Release Frequency: Quarterly

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016 Date Data Arrived at EDR: 04/13/2017 Date Made Active in Reports: 07/14/2017

Number of Days to Update: 92

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 03/08/2018

Next Scheduled EDR Contact: 06/25/2018 Data Release Frequency: Annually

#### Oil/Gas Pipelines

Source: PennWell Corporation

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

#### Electric Power Transmission Line Data

Source: PennWell Corporation

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

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

#### AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

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

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services,

a federal agency within the U.S. Department of Health and Human Services.

#### **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 List

Source: Department of Human Services

Telephone: 701-328-2316

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.

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**

AMERICAN CASING AND EQUIPMENT 2721 W FRONT ST WILLISTON, ND 58801

## **TARGET PROPERTY COORDINATES**

Latitude (North): 48.143539 - 48° 8' 36.74" Longitude (West): 103.663362 - 103° 39' 48.10"

Universal Tranverse Mercator: Zone 13 UTM X (Meters): 599432.4 UTM Y (Meters): 5332899.0

Elevation: 1853 ft. above sea level

## **USGS TOPOGRAPHIC MAP**

Target Property Map: 6045515 WILLISTON WEST, ND

Version Date: 2014

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

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

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

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

# **GROUNDWATER FLOW DIRECTION INFORMATION**

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

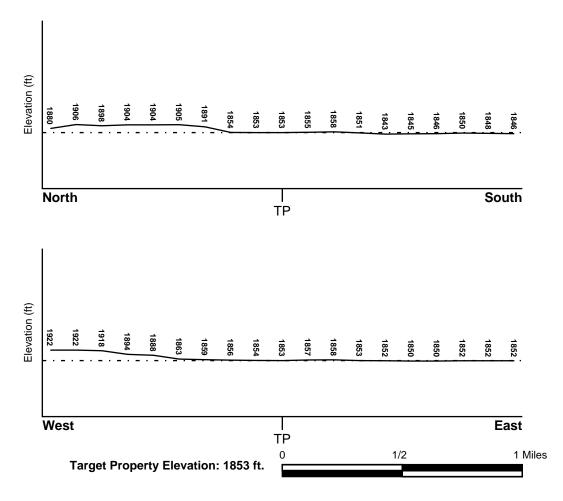
## **TOPOGRAPHIC INFORMATION**

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

## TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General South

## **SURROUNDING TOPOGRAPHY: ELEVATION PROFILES**



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

## **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

3803190018D FEMA FIRM Flood data

Additional Panels in search area: FEMA Source Type

 3803190016D
 FEMA FIRM Flood data

 3803190002C
 FEMA Q3 Flood data

 3803190019D
 FEMA FIRM Flood data

**NATIONAL WETLAND INVENTORY** 

NWI Electronic
NWI Quad at Target Property
Data Coverage

WILLISTON WEST 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.

LOCATION GENERAL DIRECTION

MAP ID FROM TP GROUNDWATER FLOW

Not Reported

# **GROUNDWATER FLOW VELOCITY INFORMATION**

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

# GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

## **ROCK STRATIGRAPHIC UNIT**

# **GEOLOGIC AGE IDENTIFICATION**

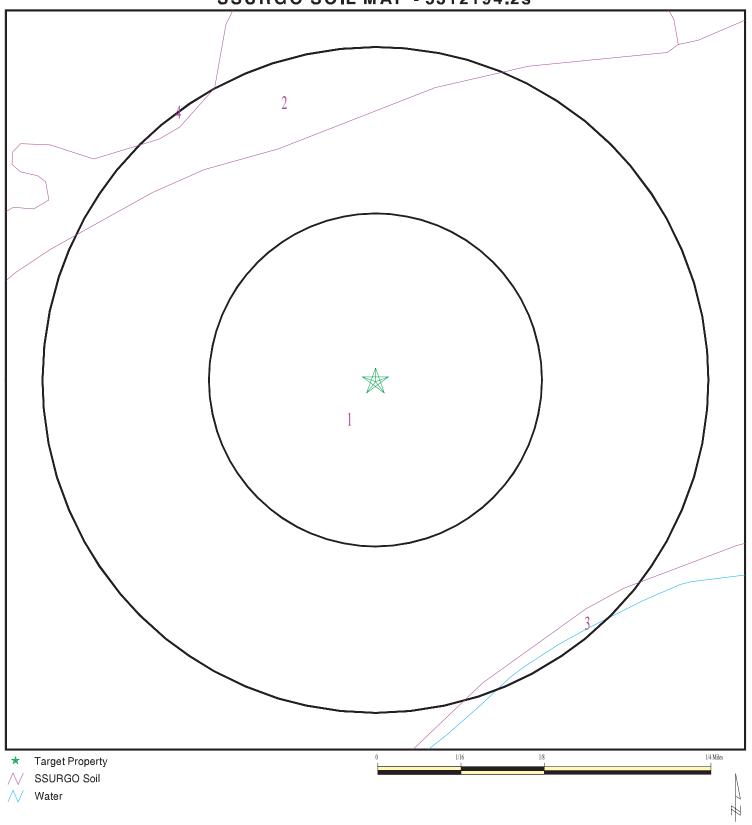
Era: Cenozoic Category: Continental Deposits

System: Tertiary
Series: Paleocene

Code: Txc (decoded above as Era, System & Series)

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 - 5312194.2s**



SITE NAME: American Casing and Equipment ADDRESS: 2721 W Front St

Williston ND 58801 48.143539 / 103.663362 LAT/LONG:

CLIENT: AECOM CONTACT: Ryan Klute INQUIRY #: 5312194.2s

DATE: May 25, 2018 12:46 pm

# 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: LOHLER

Soil Surface Texture: silty clay

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: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 130 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Oon Noadhon
1	0 inches	7 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 4.23 Min: 0.42	Max: 8.4 Min: 6.6
2	7 inches	59 inches	stratified silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.41 Min: 0.42	Max: 9 Min: 7.4

# Soil Map ID: 2

Soil Component Name: WABEK

Soil Surface Texture: sandy loam

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	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
1	0 inches	5 inches	sandy loam	Not reported	Not reported	Max: 42 Min: 14	Max: 8.4 Min: 6.6
2	5 inches	9 inches	gravelly coarse sandy loam	Not reported	Not reported	Max: 141 Min: 14	Max: 8.4 Min: 7.4
3	9 inches	59 inches	very gravelly coarse sand	Not reported	Not reported	Max: 425 Min: 141	Max: 8.4 Min: 7.4

# Soil Map ID: 3

Soil Component Name: MCKEEN

Soil Surface Texture: stratified loamy fine sand to 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: Very poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		Soil Reaction (pH)
1	14 inches	59 inches	stratified loamy fine sand to silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 42.34 Min: 0.42	Max: 8.4 Min: 7.4

	Soil Layer Information							
	Boundary			Classification		Saturated hydraulic		
Layer	Upper Lower		Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec		
2	11 inches	14 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 0.42	Max: 8.4 Min: 6.6	
3	0 inches	1 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 42 Min: 4.23	Max: 7.8 Min: 6.6	
4	1 inches	11 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 42 Min: 4.23	Max: 8.4 Min: 7.4	

# Soil Map ID: 4

Soil Component Name: **SHAMBO** 

Soil Surface Texture: loam

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

textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information								
Bound		Boundary		Classification		Saturated hydraulic		
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)	
1	0 inches	9 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 4.23	Max: 7.8 Min: 6.1	
2	9 inches	12 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 14.11 Min: 4.23	Max: 7.8 Min: 6.6	
3	12 inches	29 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 14.11 Min: 4.23	Max: 8.4 Min: 6.6	
4	29 inches	48 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 14.11 Min: 4.23	Max: 8.4 Min: 7.4	
5	48 inches	59 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 14.11 Min: 4.23	Max: 8.4 Min: 7.4	

# **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

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

# FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A2	USGS40000939634	1/4 - 1/2 Mile WSW
5	USGS40000939800	1/2 - 1 Mile NNW
B6	USGS40000939680	1/2 - 1 Mile East
8	USGS40000939549	1/2 - 1 Mile WSW

# FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

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

# STATE DATABASE WELL INFORMATION

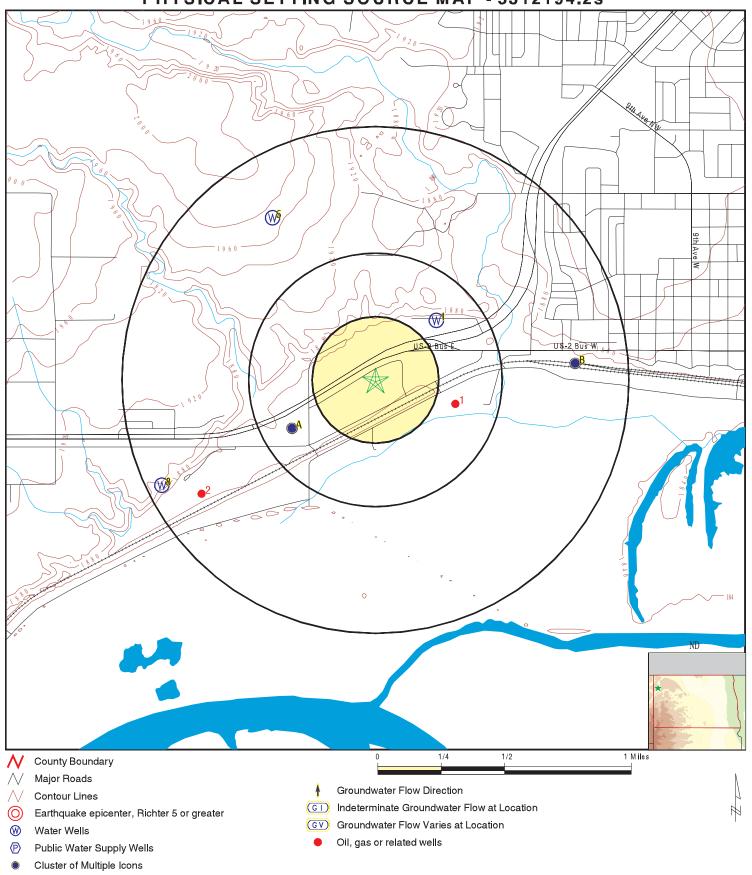
MAP ID	WELL ID	LOCATION FROM TP
1	ND6000000011845	1/4 - 1/2 Mile NE
A3	ND6000000011844	1/4 - 1/2 Mile WSW
A4	ND6000000033647	1/4 - 1/2 Mile WSW
B7	ND6000000011846	1/2 - 1 Mile East

# OTHER STATE DATABASE INFORMATION

# STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP	
1	NDOG60000018872	1/4 - 1/2 Mile ESE	
2	NDOG60000019107	1/2 - 1 Mile WSW	

# PHYSICAL SETTING SOURCE MAP - 5312194.2s



SITE NAME: American Casing and Equipment

ADDRESS: 2721 W Front St

Williston ND 58801 LAT/LONG: 48.143539 / 103.663362 CLIENT: AECOM CONTACT: Ryan Klute INQUIRY #: 5312194.2s

DATE: May 25, 2018 12:46 pm

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Map ID Direction Distance

Elevation Database EDR ID Number

ND WELLS ND600000011845

1/4 - 1/2 Mile Higher

 Fid:
 11844

 Site index:
 11845

 Location:
 15410122

 Swc well n:
 Not Reported

 County:
 Williams

Basin: Little Muddy River
Aquifer: Little Muddy
Purpose: Unknown
Casing: Unknown
Diameter: 0
Measuring: 0
Land surfa: 0

Elev type: Not Reported Date drill: 00/00/0000

Total dept: 0
Bedrock de: 0
Top screen: 0
Bottom scr: 0

Longitude: -103.65816 Latitude: 48.14694

Site id: ND600000011845

A2 WSW FED USGS USGS40000939634 1/4 - 1/2 Mile

Higher

Org. Identifier: USGS-ND

Formal name: USGS North Dakota Water Science Center

Monloc Identifier: USGS-480828103401301

Monloc name: 154-101-21DDD

Monloc type: Well

Monloc desc: Not Reported

10110101 Drainagearea value: Not Reported Huc code: Not Reported Contrib drainagearea: Not Reported Drainagearea Units: Contrib drainagearea units: Not Reported Latitude: 48.1411349 Longitude: -103.670754 Sourcemap scale: Not Reported Horiz Acc measure: Horiz Acc measure units: seconds

Horiz Collection method: Interpolated from map

Horiz coord refsys: NAD83 Vert measure val: Not Reported Vert measure units: Not Reported Vertacc measure val: Not Reported

Vert accmeasure units: Not Reported Vertcollection method: Not Reported

Vert coord refsys: Not Reported Countrycode: US

Aquifername: Sand and gravel aquifers (glaciated regions)
Formation type: Glacial Drift, Undifferentiated - Pleistocene

Wellholedepth:

Not Reported

Aquifer type: Not Reported

Construction date: Not Reported Welldepth: 65

Welldepth units: ft

Wellholedepth units: Not Reported

Ground-water levels, Number of Measurements: 1

Feet below Feet to

Date Surface Sealevel

1965-01-01 20.00

A3
WSW
ND WELLS
ND600000011844
1/4 - 1/2 Mile

Higher

Fid: 11843
Site index: 11844
Location: 15410121DDD
Swc well n: Not Reported
County: Williams

Basin: Little Muddy River
Aquifer: Little Muddy
Purpose: Industrial Well
Casing: Unknown
Diameter: 18

Diameter: 18
Measuring: 0
Land surfa: 0

Elev type: Not Reported Date drill: 00/00/0000

Total dept: 0
Bedrock de: 0
Top screen: 0
Bottom scr: 65

Longitude: -103.67033 Latitude: 48.1406

Site id: ND600000011844

1/4 - 1/2 Mile Higher

Fid: 33646
Site index: 126768
Location: 15410121DDD2
Swc well n: Not Reported
County: Williams
Basin: Lake Sakakawea

Aquifer: Missouri River
Purpose: Industrial Well
Casing: Plastic
Diameter: 5

 Measuring :
 1853.36

 Land surfa:
 1853.36

 Elev type:
 DEM - 30 meter

 Date drill:
 06/03/2010

 Total dept:
 42

 Bedrock de:
 0

 Top screen:
 30

 Bottom scr:
 40

Longitude: -103.67033 Latitude: 48.1406

Site id: ND6000000033647

5 NNW FED USGS USGS40000939800

1/2 - 1 Mile Higher

Org. Identifier: USGS-ND

Formal name: USGS North Dakota Water Science Center

Monloc Identifier: USGS-480910103401801

Monloc name: 154-101-21AA

Monloc type: Well

Monloc desc: Not Reported Huc code: 10110101

Not Reported Drainagearea value: Drainagearea Units: Not Reported Contrib drainagearea: Not Reported Contrib drainagearea units: Not Reported Latitude: 48.1528015 Longitude: -103.6721429 Sourcemap scale: Not Reported Horiz Acc measure: Horiz Acc measure units: seconds

Horiz Collection method: Interpolated from map

Horiz coord refsys: NAD83 Vert measure val: Not Reported Vert measure units: Not Reported Vertacc measure val: Not Reported

Vert accmeasure units: Not Reported Vertcollection method: Not Reported

Vert coord refsys: Not Reported Countrycode: US

Aquifername: Not Reported Formation type: Not Reported Aquifer type: Not Reported

Construction date: 19620101 Welldepth: 160

Welldepth units: ft Wellholedepth: Not Reported

Wellholedepth units: Not Reported

Ground-water levels, Number of Measurements: 1

Feet below Feet to
Date Surface Sealevel

1964-01-01 60.00

1/2 - 1 Mile Higher

Org. Identifier: USGS-ND

Formal name: USGS North Dakota Water Science Center

Monloc Identifier: USGS-480841103384601

Monloc name: 154-101-23CBC

Monloc type: Well
Monloc desc: Not Reported

Huc code:10110101Drainagearea value:Not ReportedDrainagearea Units:Not ReportedContrib drainagearea:Not ReportedContrib drainagearea units:Not ReportedLatitude:48.1447461Longitude:-103.6465865Sourcemap scale:Not Reported

Horiz Acc measure:

Horiz Collection method: Interpolated from map

Horiz Acc measure units: seconds

Horiz coord refsys: Vert measure units: NAD83

Not Reported Not Reported Vert measure val: Vertacc measure val: Not Reported Not Reported

Vert accmeasure units: Vertcollection method: Vert coord refsys:

Not Reported Not Reported

Aquifername:
Formation type:
Aquifer type:

Not Reported
Not Reported
Not Reported

Not Reported Not Reported 19540101

Construction date: 19
Welldepth units: ft

Welldepth: Wellholedepth:

Countrycode:

661 Not Reported

US

Wellholedepth units:

Not Reported

Ground-water levels, Number of Measurements: 1

Feet below

Feet to Sealevel

Date Surface Sealeve

1965-01-01 48.00

ND WELLS

ND600000011846

East 1/2 - 1 Mile Higher

Fid: 11845
Site index: 11846
Location: 15410123CBC
Swc well n: Not Reported
County: Williams
Pagin: Little Muddy Riv

Basin: Little Muddy River
Aquifer: Tongue River-Ludlow
Purpose: Industrial Well

Casing: Steel
Diameter: 10
Measuring: 0
Land surfa: 0

Elev type: Not Reported Date drill: 11/06/1954

 Total dept:
 0

 Bedrock de:
 0

 Top screen:
 609

 Bottom scr:
 665

 Longitude:
 -103.64603

 Latitude:
 48.14423

Site id: ND600000011846

**FED USGS** 

USGS40000939549

WSW 1/2 - 1 Mile Higher

Org. Identifier: USGS-ND

Formal name: USGS North Dakota Water Science Center

Monloc Identifier: USGS-480815103405201

Monloc name: 154-101-28BAD

Monloc type: Well

Monloc desc: Not Reported

Huc code:10110101Drainagearea value:Not ReportedDrainagearea Units:Not ReportedContrib drainagearea:Not ReportedContrib drainagearea units:Not ReportedLatitude:48.1375237Longitude:-103.6815878Sourcemap scale:Not Reported

Horiz Acc measure:

Horiz Collection method: Interpolated from map

NAD83 Horiz coord refsys: Vert measure units: Not Reported Not Reported Vert accmeasure units: Not Reported Vertcollection method: Vert coord refsys: Not Reported Aquifername: Not Reported Not Reported Formation type: Not Reported Aquifer type:

Construction date: 19630101

Welldepth units: ft

Wellholedepth units: Not Reported

Ground-water levels, Number of Measurements: 1

Feet below Feet to Date Surface Sealevel

1965-10-21 10.29

Horiz Acc measure units: seconds

Vert measure val:

Vertacc measure val:

Not Reported

Not Reported

Countrycode: US

Welldepth: 120

Wellholedepth: Not Reported

Map ID Direction Distance

Direction
Distance
Database EDR ID Number

USE OIL\_GAS NDOG60000018872 1/4 - 1/2 Mile

Fid: 18872 File no: 21150

Api no: 33-105-02285-00-00 Operator: OASIS PETROLEUM NORTH AMERICA LLC

Well name: KESTREL FEDERAL 5401 43-22H

21414 03-NOV-11 Td: Spud date: Field name: TODD **SWSE** Qq: Sec: 22 Twp: 154 Rng: 101 Feet ns: 906 Fnsl: S Feet ew: 2236

Fewl: E

Latitude: 48.14214776 Longitude: -103.65606638

Well type: OG Status: A

Symbol:OGApi:33105022850000Datecreate:Not ReportedDatemodifi:Not ReportedScribe:Not ReportedCounty:WILLIAMS

Site id: NDOG60000018872

2 WSW OIL\_GAS NDOG60000019107 1/2 - 1 Mile

Fid: 19107 File no: 21933

Api no: 33-105-02461-00-00 Operator: CONTINENTAL RESOURCES, INC.

Well name: PLANO 1-28H

24-DEC-11 19640 Spud date: Td: Field name: TODD **NWNE** Qq: Sec: 28 Twp: 154 970 Rng: 101 Feet ns: Fnsl: 2250 Ν Feet ew:

Fewl: E

Latitude: 48.1370153 Longitude: -103.67772123

Well type: OG Status: A

Symbol: OG Api: 33105024610000
Datecreate: Not Reported Datemodifi: Not Reported
Scribe: Not Reported County: WILLIAMS

Site id: NDOG60000019107

# AREA RADON INFORMATION

State Database: ND Radon

Radon Test Results

Source	Total Sites	Average	Std. Dev.	Pct > 4 Pci/L	Pct > 20 Pci/L
wic	32	3.08	2.01	21.9	0.0
school	175	1.84	1.89	5.7	0.0
home	19	3.8	2.1	36.8	0.0
daycare	34	1.86	0.97	2.9	0.0

Federal EPA Radon Zone for WILLIAMS 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: 58801

Number of sites tested: 18

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	2.450 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	4.067 pCi/L	56%	44%	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.

## HYDROGEOLOGIC INFORMATION

AQUIFLOW<sup>R</sup> Information System

Source: EDR proprietary database of groundwater flow information

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

## **GEOLOGIC INFORMATION**

Geologic Age and Rock Stratigraphic Unit

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

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

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

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

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

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## LOCAL / REGIONAL WATER AGENCY RECORDS

## FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

## STATE RECORDS

Water Well Locations

Source: State Water Commission Telephone: 701-328-2754

## OTHER STATE DATABASE INFORMATION

Oil and Gas Well Locations Listing

Source: North Dakota Industrial Commission

Telephone: 701-328-8020

A listing of oil and gas well locations in the state.

#### **RADON**

State Database: ND Radon Source: Dept of Health Telephone: 701-328-5188

Radon Surveys in North Dakota. Includes cluster, day care, school, home, and women with infant children

Area Radon Information Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency

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

EPA Radon Zones Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor

radon levels.

## **OTHER**

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared

in 1975 by the United State Geological Survey

### PHYSICAL SETTING SOURCE RECORDS SEARCHED

#### STREET AND ADDRESS INFORMATION

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## **American Casing and Equipment**

2721 W Front St Williston, ND 58801

Inquiry Number: 5312194.8

May 29, 2018

# The EDR Aerial Photo Decade Package



### **EDR Aerial Photo Decade Package**

05/29/18

Site Name: Client Name:

American Casing and Equipme AECOM

2721 W Front St 1000 East Calgary Avenue Williston, ND 58801 Bismarck, ND 58503 EDR Inquiry # 5312194.8 Contact: Ryan Klute



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

#### Search Results:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	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
1995	1"=500'	Acquisition Date: August 10, 1995	USGS/DOQQ
1991	1"=500'	Flight Date: August 10, 1991	USGS
1983	1"=500'	Flight Date: September 23, 1983	USGS
1977	1"=500'	Flight Date: November 04, 1977	USGS
1958	1"=500'	Flight Date: August 02, 1958	USDA
1949	1"=500'	Flight Date: August 01, 1949	USGS

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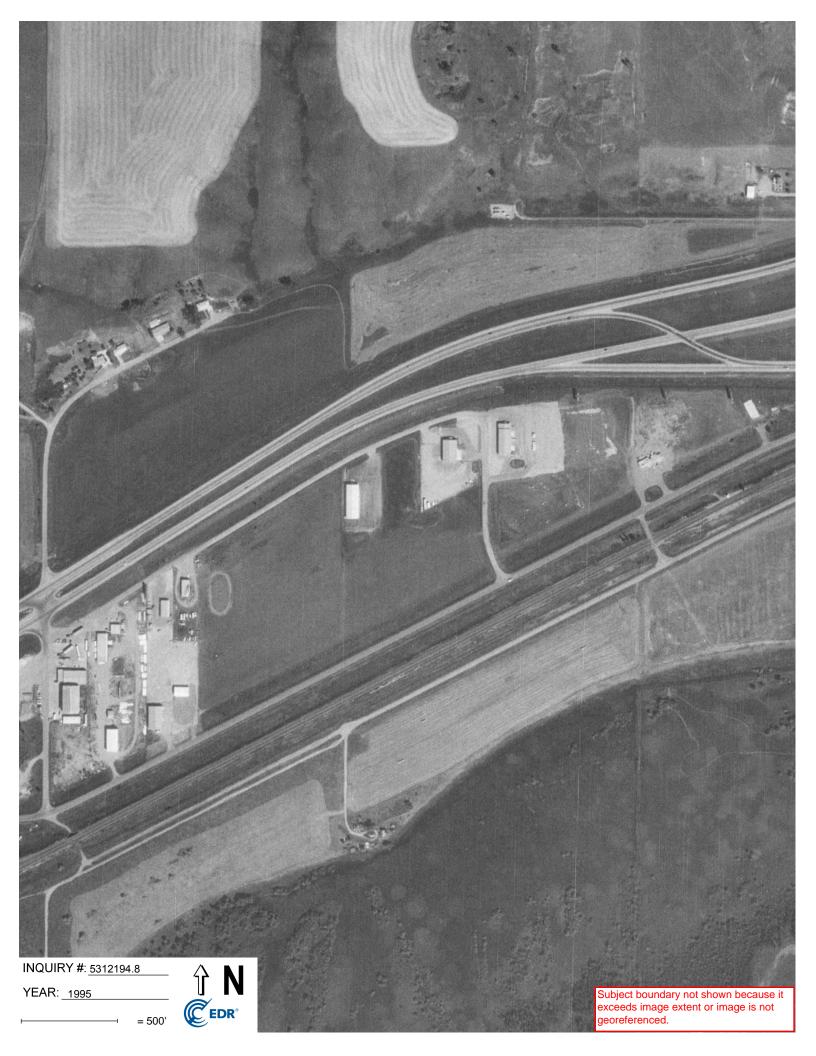
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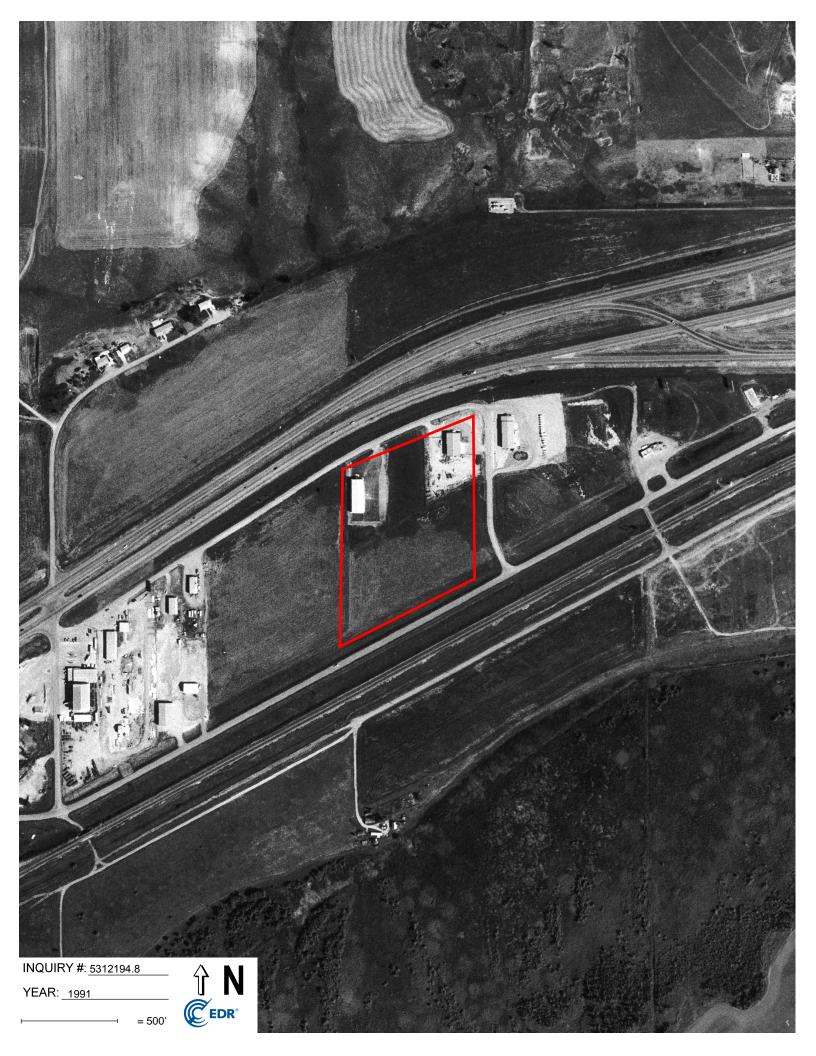


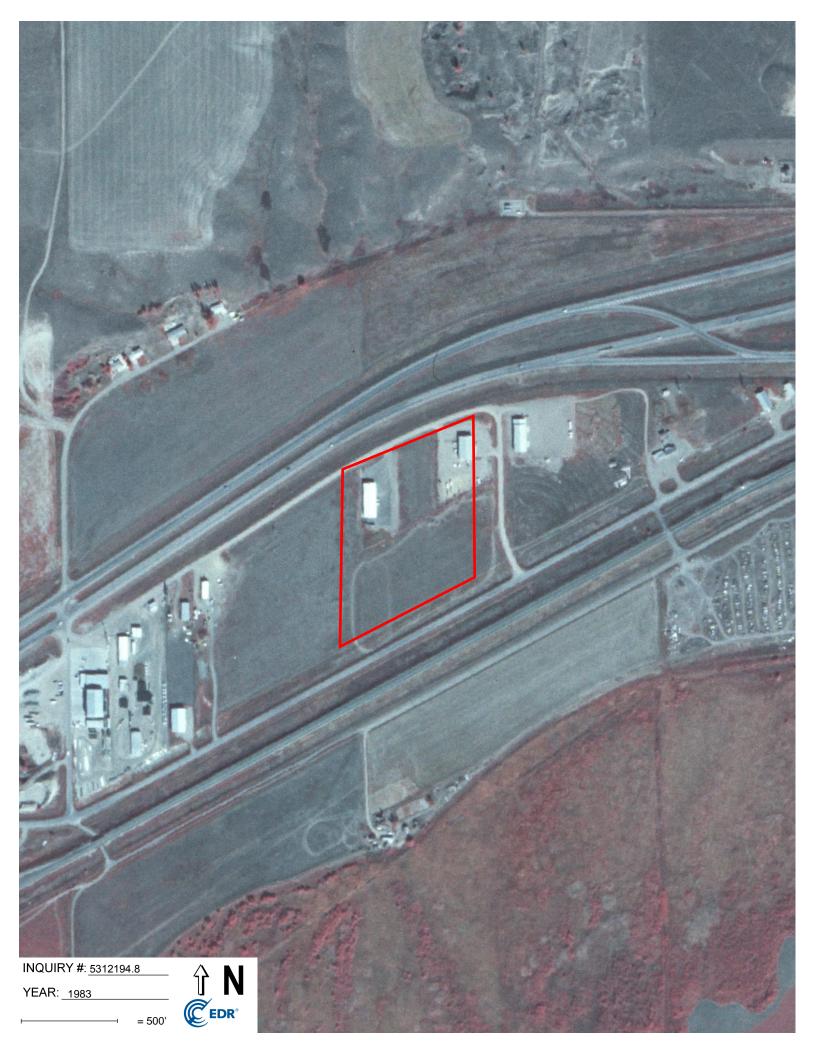


















### **American Casing and Equipment**

2721 W Front St Williston, ND 58801

Inquiry Number: 5312194.5

May 30, 2018

# The EDR-City Directory Image Report



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

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### **EXECUTIVE SUMMARY**

### **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.

<u>Year</u>	Target Street	Cross Street	<u>Source</u>
2014		$\square$	<b>EDR Digital Archive</b>
2010		$\overline{\checkmark}$	EDR Digital Archive
2005		$\overline{\square}$	<b>EDR Digital Archive</b>
2000		$\square$	<b>EDR Digital Archive</b>
1995		$\square$	<b>EDR Digital Archive</b>
1992		$\square$	<b>EDR Digital Archive</b>
1987		$\square$	Polk's City Directory
1982			Polk's City Directory
1977			Polk's City Directory
1972			Polk's City Directory
1968			Polk's City Directory
1964			Polk's City Directory

## **FINDINGS**

### TARGET PROPERTY STREET

2721 W Front St Williston, ND 58801

<u>Year</u>	CD Image	Source	
W FRONT ST			
2014	pg A4	EDR Digital Archive	
2010	pg A7	EDR Digital Archive	
2005	pg A10	EDR Digital Archive	
2000	pg A13	EDR Digital Archive	
1995	-	EDR Digital Archive	Target and Adjoining not listed in Source
1992	-	EDR Digital Archive	Target and Adjoining not listed in Source
1987	-	Polk's City Directory	Street not listed in Source
1982	-	Polk's City Directory	Street not listed in Source
1977	-	Polk's City Directory	Street not listed in Source
1972	-	Polk's City Directory	Street not listed in Source
1968	-	Polk's City Directory	Street not listed in Source
1964	-	Polk's City Directory	Street not listed in Source

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## **FINDINGS**

### **CROSS STREETS**

<u>Year</u>	CD Image	Source	
2ND ST W			
2014	pg. A2	EDR Digital Archive	
2010	pg. A5	EDR Digital Archive	
2005	pg. A8	EDR Digital Archive	
2000	pg. A11	EDR Digital Archive	
1995	pg. A14	EDR Digital Archive	
1992	pg. A16	EDR Digital Archive	
1987	pg. A18	Polk's City Directory	
1982	-	Polk's City Directory	Target and Adjoining not listed in Source
1977	-	Polk's City Directory	Target and Adjoining not listed in Source
1972	-	Polk's City Directory	Target and Adjoining not listed in Source
1968	-	Polk's City Directory	Target and Adjoining not listed in Source
1964	-	Polk's City Directory	Target and Adjoining not listed in Source

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		_
10	BRIDE TO BE & MORE LTD	
14	JRS ENTERPRISES INC	
17	R ROOSTER BBQ COMPANY LLC	
21	WINDSHIELD DOCTOR	
22	WILLIAMS RURAL WATER ASSN	
22 101		
101	LODGE 239 LOYAL ORDER MOOSE	
	LODGE NO 239 LOYAL ORDER MOOSE	
	MOOSE INTERNATIONAL INC	
	WOMEN OF MOOSE CHAPTER 252	
115	JUST TEEZN	
123	FARMERS UNION INSURANCE	
	ZUNICH INSURANCE INC	
212	WESTERN SUNRISE INC	
224	BEE LINE SERVICE	
301	SATHE ANALYTICAL LABORATORY	
310	MC NARY M D	
317	HORIZON RESOURCES	
324	NORTH AMERICAN VAN LINES INC	
	SIRVA INC	
	WHAT NOT SHOP	
401	CLEAR CHECK WORK PLACE	
404	INK SPOT PRINTING	
408	VIGNESS, KARI L	
412	METZLER, ELEANOR	
413	MONDAK MOTOR SPORTS	
	TSC FARM HOME AUTO STORE	
416	CRAWFORD, SARAH	
	MILE HIGH ENERGY SOLUTIONS	
418	IVERSON, SONYA L	
	PAYLESS BEAUTY SALON	
503	ARNIES MOTORCYCLE SALES INC	
510	EMPIRE OIL COMPANY	
511	MANGER INSURANCE INC	
	VILLAGE FAMILY SERVICE CENTER	
516	STORDAHL, GERALD	
520	BERTELSEN, ROBERT J	
521	GAFFANEYS TOTAL OFF SOURCE INC	
616	OLD WEST PRODUCTS	
	STORDAHL, JERRY L	
706	MEYER CALIE JANE INSUR AGCY	
716	NEHRING DONALD CPA	
	OCCUPANT UNKNOWN,	
719	DAKOTA REALTY INC	
	GOLDEN CITY PROPERTY MGT	
720	PANKOWSKI, RANEL	
722	ZERRS TAXIDERMY	
806	OCCUPANT UNKNOWN,	
810	GUSTAFSON, KIM P	
820	CHRISTOPHERSON, HAROLD	
320	CORMICAN, MICHAEL	

2ND ST W 2014 (Cont'd)

820	MAYS, JACLYNN
904	BIRCH, JOHN E
908	MILITONI, AISEA
912	OCCUPANT UNKNOWN,
1012	BEAR PAW ENERGY INC
1014	U-HAUL CO
	VAC TEC
1105	NEXUS SECURITY SOLUTIONS LLC
1106	BASIN LAND SURVEY LLC
	FARM SERVICE AGENCY
	NATURAL RSRCES CNSERVATION SVC
	WILLIAMS CNTY SL CNSRVATN DST
1212	RYAN MOTORS INC
	WILLISTON RV AND MARINE
1225	PENDLETON HVAC PLBG ENTPS LLC
	TRIPLE, B
1404	KUM & GO LC
1804	CHANEYS TOTAL AUTO & EXHAUST
1820	J&K RUTLEDGE EQUIPMENT RENTAL
	MAGRUM MOTORS
3105	AGRI INDUSTRIES INC
	IOWA PROPERTIES INC
	MBA GENERAL CONTRACTING LLC
3117	WESTSIDE FUEL

**Cross Street** 

#### Target Street **Source** EDR Digital Archive

#### W FRONT ST 2014

2204	MARKS AUTO REPAIR
2308	ISEMAN HOMES INC
2322	MIDWAY JUNCTION INC
3018	L&D SHARPENING SERVICE
13818	BRADLEY R BAXTER
	PACIFIC HIDE & FUR DEPOT
13824	HANDY ANDYS DRIVE-IN NURSERY
13848	HAARSTAD, LAVINA
13862	PRO FIELD SERVICES INC
13878	BOBCAT OF GRAND FORKS INC
	IRONHIDE EQUIPMENT
13882	BOLDT FARM SUPPLY INC
13896	BORDER STEEL
13904	PACIFIC HIDE & FUR DEPOT
13922	BORDER PLAINS EQUIPMENT LLC
	FRONTIER EQUIPMENT LLC
13932	GAME AND FISH ND DEPT
	HIGHWAY PATROL NORTH DAKOTA
13934	BORGESON, JAMIE A
13942	A & K RENTAL INC
13954	
13958	
13960	CLAYS COUNTRY AUTO
13962	
	WASTVEDT, ROBERT
13964	
13982	MARQUIS ALLIANCE
	SECURE
13984	
	HOLM TIM
	KIRBY, REED
	KOHLER CMMUNICATIONS WILLISTON
	SEMCRUDE LP
14024	
	HICKMAN, DON
14036	B&G PRODUCTION SERVICE INC
14060	OCCUPANT UNKNOWN,
14078	RATHBUN, DORI
	TRACTOR & EQUIPMENT CO

10	BRIDE TO BE & MORE LTD
14	JRS ENTERPRISES INC
1-7	R ROOSTER BBQ COMPANY LLC
21	WINDSHIELD DOCTOR
22	WILLIAMS RURAL WATER ASSN
101	LODGE 239 LOYAL ORDER MOOSE
101	LODGE NO 239 LOYAL ORDER MOOSE
	MOOSE INTERNATIONAL INC
	WOMEN OF MOOSE CHAPTER 252
123	FARMERS UNION INSURANCE
212	WESTERN SUNRISE INC
224	BEE LINE SERVICE
301	SATHE ANALYTICAL LABORATORY
310	MC NARY M D
324	SIRVA INC
021	WHAT NOT SHOP
401	IOWA GLASS DEPOT INC
404	INK SPOT PRINTING
408	VIGNESS, KARI L
412	METZLER, ELEANOR
413	MONDAK MOTOR SPORTS
416	OCCUPANT UNKNOWN,
418	IVERSON, SONYA L
	PAYLESS BEAUTY SALON
503	ARNIES MOTORCYCLE SALES INC
510	EMPIRE OIL COMPANY
511	MANGER INSURANCE AGENCY INC
	MANGER INSURANCE INC
516	STORDAHL, GERALD
520	BERTELSON, CATHERINE
521	INTERSTATE BRANDS CORPORATION
616	OLD WEST PRODUCTS
	STORDAHL, JERRY L
619	DELANEY RECYCLING CENTER
706	MEYER CALIE JANE INSUR AGCY
716	NEHRING DONALD CPA
	OCCUPANT UNKNOWN,
719	DAKOTA REALTY & APPRAISAL
	DAKOTA REALTY INC
	GOLDEN CITY PROPERTY MGT
720	EIDE, CARL A
722	ZERRS TAXIDERMY
806	BINDE, MATTHEW
810	MARTELL, KEVIN J
820	BOUCHER, JESSICA
	GODINEZ, SUNSHINE
	WARNER, JANELLE
	WATTERUD BRAD
904	BIRCH, JOHN E
908	MILITONI AISEA

2ND ST W 2010 (Cont'd)

908	MILITONI, AISEA
912	OCCUPANT UNKNOWN,
1002	3H INC
1014	G&R CONTRACTING LLP
	RENT N SAVE INC
	U-HAUL CO
	WE GOT IT RENTAL LLP
1106	FARM SERVICE AGENCY
	NATURAL RSRCES CNSERVATION SVC
	RURAL DEVELOPMENT
	WILLIAMS CNTY SL CNSRVATN DST
1204	OLSON, VANCE E
1212	RYAN MOTORS INC
	WILLISTON RV AND MARINE
1223	TRIPLE, B
1404	KUM & GO LC
1804	BASIN CAB CO
	CHANEYS TOTAL AUTO & EXHAUST
1820	MAGRUM MOTORS
3105	AGRI INDUSTRIES INC
	IOWA PROPERTIES INC
3117	OK TIRE STORE OF WILLISTON ND
	WESTSIDE FUEL

# W FRONT ST 2010

•	2204	MARKS AUTO REPAIR
		ISEMAN HOMES INC
		L&D SHARPENING SERVICE
		PETES TRUCK & SALVAGE
	13820	HATZENBILER JACOB
	.0020	HAZENBILER, KIRSTEN K
	13824	HANDY ANDYS DRIVE-IN NURSERY
	13848	
		BICKLER, MICHAEL T
	13896	BORDER STEEL
		OCCUPANT UNKNOWN,
•	13932	GAME AND FISH ND DEPT
		HIGHWAY PATROL NORTH DAKOTA
•	13934	BORGESON, RONALD A
•	13942	A & K RENTAL INC
•	13954	FRONTIER EQUIPMENT LLC
		TITAN MACHINERY
•	13956	FINNAN, LAURA M
		JOHNSON, MICHAEL A
		WEBBER, JEFFREY M
•	13958	HOWARD SUPPLY COMPANY
•	13960	CLAYS COUNTRY AUTO
•	13962	
		STEVENS, WELDING
		WASTVEDT, ROBERT
		WEST ACRES AUTO
		WINDOW WORLD INC
•	13982	CANYON HOLDINGS LLC
		DUBLIN ESTATES HOMEOWNERS ASSN
		HEXOM EARTH CONSTRUCTION INC
	10001	INDIAN HILLS DISPOSAL INC
		HOLM TIM
	13986	B & G ROUST-A-BOUT SERVICE INC
	12000	FALCO ENERGY TRANSPORTATION
	13988 13990	AQUA-ENVIROTECH MANUFACTURING EARLS ELECTRIC INC
	14012	KOHLER CMMUNICATIONS WILLISTON
	14012	SEMCRUDE LP
	14010	
	14024	HICKMAN SALES AND SERVICE INC
	14024	HICKMAN, DON
	14036	B&G PRODUCTION SERVICE INC
		GORDER RODNEY
	14060	KOCH, WILBERT F
	14078	TRACTOR & EQUIPMENT CO
	- · <del>-</del>	

# EDR Digital Archive

10	BRIDE TO BE & MORE LTD
14	JRS ENTERPRISES INC
21	WINDSHIELD DOCTOR
22	CALL SOLUTIONSCOM INC
	MANGER INSURANCE AGENCY INC
101	MOOSE INTERNATIONAL INC
115	PRICE, S
123	FARMERS UNION INSURANCE
	PRAIRIE STATES COOP TRML
215	
224	BEE LINE SERVICE
301	SATHE ANALYTICAL LABORATORY
310	MC NARY M D
324	SIRVA INC
	WHAT NOT SHOP
401	IOWA GLASS DEPOT INC
	MIDWEST AUTO GLASS INC
404	INK SPOT PRINTING
408	OCCUPANT UNKNOWN,
412	METZLER, ELEANOR
	OCCUPANT UNKNOWN,
413	TRACTOR SUPPLY COMPANY
416	JACOBSON, ALVIN J
418	IVERSON, SONYA L
	PAYLESS BEAUTY SALON
503	ARNIES MOTORCYCLES SALES
511	MANGER INSURANCE INC
520	BERTELSEN, ROBERT J
521	INTERSTATE BRANDS CORPORATION
616	OLD WEST PRODUCTS
	STORDAHL, JERRY
619	DELANEY RECYCLING CENTER
706	MEYER CALIE
716	NEHRING DONALD CPA
	NEHRING, DONALD L
719	DAKOTA REALTY INC
713	GOLDEN CITY PROPERTY MGT
720	PANKOWSKI, RANEL
722	OCCUPANT UNKNOWN,
122	ZERRS TAXIDERMY
806	LUND, TIMOTHY R
820	WALLACE, WALTERUD
824	OCCUPANT UNKNOWN,
904	OCCUPANT UNKNOWN,
908	MILITONI, AISEA
912	PIERCE, GLORIA J
1002	3H INC
1014	RENT N SAVE INC
	U-HAUL CO
1106	FARM SERVICE AGENCY
	NATURAL RSRCES CNSERVATION SVC

2ND ST W 2005 (Cont'd)

	2ND ST W	2005	(Cont'd)	
1106	NORTH DAKOTA NAT RESRC CONVN RURAL DEVELOPMENT			
1204	OLSON, VANCE E			
1212	D C P INC			
1404	KRAUSE GENTLE CORPORATION			
1804	BASIN CAB CO			
	CHANEYS TOTAL AUTO & EXHAUST			
1820	MAGRUM MOTORS			

# W FRONT ST 2005

2204	MARKS AUTO REPAIR
2204 2322	
3018	L&D SHARPENING SERVICE
	CACTUS CONCRETE PRODUCTS CO
	PETES TRUCK & SALVAGE
13824	
10024	HANDY ANDYS DRIVE-IN NURSERY
13848	
13898	•
13932	
	HIGHWAY PATROL NORTH DAKOTA
13934	
	BORGESON, RON
	SEMENKO, GARVIN D
13942	A & K RENTAL INC
13954	FRONTIER EQUIPMENT LLC
13956	AUGUSTINE, SCOTT L
	BENSEN, BOB
	CEYNAR, ROBERT K
	HAMLING, ANTHONY A
	HANSON, SONNY
	JOHNSON, MICHAEL A
	WEBBER, MYRON J
	WHITE, TOM H
	HOWARD SUPPLY COMPANY
	CLAYS COUNTRY AUTO
13962	CRANE ELECTRONIC
	WASTVEDT, ROBERT
40004	WEST ACRES AUTO
	WINDOW WORLD INC
13982	HEXOM EARTH CONSTRUCTION INC INDIAN HILLS DISPOSAL INC
12004	HOLM TIM
13986	R&T PROPERTIES LLP
13988	AQUA-ENVIROTECH MANUFACTURING
13990	EARLS ELECTRIC INC
14012	
14016	SEMCRUDE LP
14022	OIL FIELD SERVICE
14024	HICKMAN SALES AND SERVICE
14036	GORDER RODNEY
14060	
14078	•
14082	FIRST ENERGY SERVICES COMPANY

10	BRIDE TO BE & MORE LTD
14	JRS ENTERPRISES INC
21	OSOM
	WINDSHIELD DOCTOR
22	LIGHT OF WORLD FELLOWSHIP
	WILLISTON INSURANCE AGENCY
117	PRICE ASSOCIATES & CO INC
	PRICE, J D
123	FARMERS UNION INSURANCE
215	PRAIRIE STATES COOP TRML
218	FLORY, JOHN
224	BEE LINE SERVICE
301	SATHE ANALYTICAL LABORATORY
310	MC NARY M D
322	OCCUPANT UNKNOWN,
324	DUBES TRANSFER & STORAGE
	WHAT NOT SHOP
401	MIDWEST AUTO GLASS INC
408	PALMER, B J
413	OCCUPANT UNKNOWN,
	TRACTOR SUPPLY COMPANY
416	JACOBSON, ALVIN J
418	IVERSON, PHYLLIS E
	PAYLESS BEAUTY SALON
503	ARNIES MOTORCYCLE SALES
511	MANGER INSURANCE INC
520	OCCUPANT UNKNOWN,
521	INTERSTATE BRANDS CORPORATION
616	SCHMIDT, KENDAL L
619	DELANEY RECYCLING CENTER
	HAGENS AUTO REPAIR
706	MEYER CALIE
716	NEHRING DONALD CPA
	NEHRING, D
719	DAKOTA REALTY INC
	FREDRICKSEN REAL ESTATE INC
	GOLDEN CITY PROPERTY MGT
720	DOKKEN, CRYSTAL
	EIDE, CARL A
	ROUTLEDGE, JAMES
722	ZERRS TAXIDERMY
806	HAAKENSON, AARON
810	NESS, BETTY
904	SKURDAL, EMIL
912	FOUST, EDWARD
1002	3H INC
	RIVERS EDGE
1014	RENT N SAVE INC
	U-HAUL CO
1106	FARM SERVICE AGENCY

	Target Street	Cross Street		<u>Source</u>	
	-	<b>✓</b>	E	EDR Digital Archive	
		2ND ST W	2000	(Cont'd)	
1106	NATURAL RSRCES C	NSERVATION SVC			
1100	NORTH DAKOTA NAT	RESRC CONVN			
	RURAL DEVELOPMEI SOVIG, OTTO	NT			
1212	D C P INC				
4004	VALLELY CHRYSLER				
1804 1820	CHANEYS TOTAL AU MAGRUM MOTORS	TO & EXHAUST			

# W FRONT ST 2000

1482	HB&RINC
2204	MARKS AUTO REPAIR
2218	ADVANTAGE LINE INC
3018	L&D SHARPENING SERVICE
13811	CACTUS CONCRETE PRODUCTS CO
13812	ORNAMENTAL IRON WORKS
13818	PETE S TRUCK & SALVAGE
13824	ACE SPRINKLER SYSTEMS INC
13898	DAKOTA INDUSTRIES INC
	OCCUPANT UNKNOWN,
13932	HIGHWAY PATROL ND DEPART
13946	GREATER DAKOTA HOMES
13956	HAMLING, ANTHONY A
	JOHNSON, ARLEN M
	WEBBER, JOHN
	WHITE, MARY D
13958	E & H INDUSTRIAL SUPPLIES INC
13960	CLAYS COUNTRY AUTO
13962	CRANE ELECTRONIC
	NELSON E J
	WINDOW WORLD INC
13982	HEXOM EARTH CONSTRUCTION INC
	INDIAN HILLS DISPOSAL INC
13988	AQUA-ENVIROTECH MFG INC
13990	EARLS ELECTRIC INC
14012	KOHLER CMMUNICATIONS WILLISTON
	KEY ENERGY GROUP
-	HICKMAN SALES AND SERVICE
14060	KOCH, WILBERT

12	BRIDE TO BE & MORE LTD
14	JRS ENTERPRISES INC
21	ARLENS UPTOWN SERVICE
21	CHANEYS STANDARD SERVICE
22	TRICOM COMPUTERS
24	CHRISTIANSON, WALTER
115	STOVES N SPAS
123	FARMERS UNION INSURANCE
211	SUMNERS, DEANN
215	NORTHWEST GRAIN CO-OP TRML
218	FLORY, JOHN
219	SKORICK, HARRY
223	OCCUPANT UNKNOWNN
224	BEE LINE SERVICE
301	SATHE ANALYTICAL LABORATORY
304	OCCUPANT UNKNOWNN
310	GENES ELECTRIC
	OCCUPANT UNKNOWNN
312	PETERSEN, DON
316	OCCUPANT UNKNOWNN
322	OLSON, GERALD
324	BROWN, PAT
	DUBES TRANSFER
	WHAT NOT SHOP
401	CAR CLINIC
	MIDWEST AUTO GLASS INC
404	OCCUPANT UNKNOWNN
408	OCCUPANT UNKNOWNN
413	TRACTOR SUPPLY COMPANY
416	OCCUPANT UNKNOWNN
	PRIOR ELECTRIC SERVICE
418	IVERSON, PHYLLIS E
	PAYLESS BEAUTY SALON
422	OCCUPANT UNKNOWNN
503	ARNIES MOTORCYCLE SALES INC
510	ADVANTAGE LINE INC
511	MANGER INSURANCE INC
520	SADORF, GREG
524	MATTERN, JUSTIN
606	A & A MARKET INC
616	SCHMIDT, KENDAL L
619	DELANEY RECYCLING CENTER
700	HAGENS AUTO REPAIR
706	AMERICAN FAMILY INSURANCE
	ANDERSON, LANA R
740	MEYER, CALIE J
716	NEHRING DONALD D
717	NEHRING, DONALD D FREDRICKSEN REAL ESTATE
717 719	DAKOTA REALTY INC
119	DANOTA NEALT INC

2ND ST W 1995 (Cont'd)

720	THORING, MARTHA
722	ZERRS TAXIDERMY
806	OCCUPANT UNKNOWNN
820	DAWSON, DELMAR
	JOHNSON, MARILYN
824	GRUB, DOLORES
908	OCCUPANT UNKNOWNN
912	PIERCE, JACK
918	BRADLEY, THOMAS
1002	JERRYS FRSIDE DNING LOUNGE INC
1014	RENT N SAVE
1106	NORTH DAKOTA NAT RESRC CONVN
	RURAL ECONOMIC & COMMUNITY DEV
1212	VALLELY CHRYSLER & MARINE INC
1224	ALME BODY WORKS
1320	OCCUPANT UNKNOWNN
1322	THORSON, WADE
1404	KRAUSE GENTLE CORPORATION
	MON-DAK FOOD STORES NO 2
1820	MAGRUM MOTORS INC

10	CEDAR CHEST
12	BRIDE TO BE & MORE LTD
14	ERICKSON S DRIVE INN LIQUOR
15	UNITED STATES GOVERNMENT
21	CHANEYS STANDARD SERVICE
115	STOVES N SPAS
123	FARMERS UNION INSURANCE
211	HILLSTEAD DALE OFFICE
212	RUDOLPH STORAGE SYSTEMS
215	NORTHWEST GRAIN CO-OP TRML
218	FLORY, JAMES S
224	BEE LINE SERVICE
301	SATHE ANALYTICAL LABORATORY
310	GENES ELECTRIC
316	THORSON DUANE A
324	DUBE, ROBERT
	DUBES TRANSFER
	WHAT NOT SHOP
401	CAR CLINIC
404	LUTHERAN BROTHERHOOD
	MOEN, KEN
408	OLSON, CARL G
412	ATOL, EDWARD
413	TSC INDUSTRIES INC
416	JACOBSON, ALVIN J
	PRIOR ELECTRIC SERVICE
418	IVERSON, PHYLLIS E
	PAYLESS BEAUTY SALON
503	J & D AQUATICS
	NEW PRODUCTS MARKETING CORP
510	EMERYS LOCKSMITHING
	EMRYS LOCKSMITHING
511	MANGER INSURANCE INC
520	BERTELSEN, K
521	INTERSTATE BRANDS CORPORATION
524	TORGERSON, STEWART
606	A & A MARKET INC
616	SCHMIDT, KENDAL L
619	CAR FIND
	DELANEY RECYCLING CENTER
	HAGENS AUTO REPAIR
706	AMERICAN FAMILY INSURANCE
	MEYER, CALIE J
716	NEHRING DONALD CPA
717	FREDRICKSEN REAL ESTATE
719	BAKER CESCO
	DAKOTA REALTY INC
722	DODGE, FOSTER
	ZERRS TAXIDERMY
806	HOKANSON, ADOLPH
000	HOW WOOM, ADOLI II

2ND ST W 1992 (Cont'd)

904	SKURDAL, EMIL
912	BAKER, LAURA
1014	RENT N SAVE
1212	VALLELY TRUCK CENTER INC
1220	MC NARY M D
1224	ALME BODY WORKS
1320	MISCHKE, WILLIS
1322	SESSIONS, SONIA
1404	MON-DAK FOOD STORES NO 2
1808	4S FLOORING
5242	WILDER, SHANNON

1100 Tucuito
12TH AV W INTERSECTS
1201a Cenex Seed Co seeds ret
572-5180
1212 Vallely Truck & Marine
truck dlrs 572-2123
1220 Duane's Radiator Shop auto
repr 572-3075
1223 Interstate Cenex gas whol
572-9612
1223½ Porter Bros-Dakota Hide
& Fur Co 572-5493
1224 Alme Body Works auto body
repr 572-2271
13TH AV W INTERSECTS
1320 Mischke Willis M @
572-3108
1322 Vacant
1404 Mon-Dak Food Store
572-9902
14TH AV W INTERSECTS

American Casing and Equipment 2721 W Front St Williston, ND 58801

Inquiry Number: 5312194.3

May 25, 2018

# **Certified Sanborn® Map Report**



# **Certified Sanborn® Map Report**

05/25/18

Site Name: Client Name:

American Casing and Equipme AECOM

2721 W Front St 1000 East Calgary Avenue Williston, ND 58801 Bismarck, ND 58503

EDR Inquiry # 5312194.3 Contact: Ryan Klute



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by AECOM 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 # 94F6-4013-862A

PO# NA

Project American Casing and Equipment

#### **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 #: 94F6-4013-862A

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™

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American Casing and Equipment 2721 W Front St Williston, ND 58801

Inquiry Number: 5312194.4

May 25, 2018

# **EDR Historical Topo Map Report**

with QuadMatch™



# **EDR Historical Topo Map Report**

05/25/18

Site Name: **Client Name:** 

American Casing and Equipme **AECOM** 

2721 W Front St Williston, ND 58801 EDR Inquiry # 5312194.4 Contact: Ryan Klute

1000 East Calgary Avenue Bismarck, ND 58503

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by AECOM 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:		Coordinates:	
P.O.#	NA	Latitude:	48.143539 48° 8' 37" North
Project:	American Casing and Equipme	Longitude:	-103.663362 -103° 39' 48" West
		UTM Zone:	Zone 13 North
		UTM X Meters:	599429.31
		UTM Y Meters:	5333118.09
		Elevation:	1853.00' above sea level

#### **Maps Provided:**

2014 1976, 1979 1959

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### Topo Sheet Key

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

#### 2014 Source Sheets



Williston SW 2014 7.5-minute, 24000



Williston West 2014 7.5-minute, 24000

### 1976, 1979 Source Sheets



Williston West 1976 7.5-minute, 24000 Aerial Photo Revised 1976



Williston SW 1979 7.5-minute, 24000 Aerial Photo Revised 1977

#### 1959 Source Sheets

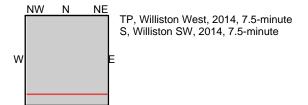


Williston West 1959 7.5-minute, 24000 Aerial Photo Revised 1958

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

S

SE



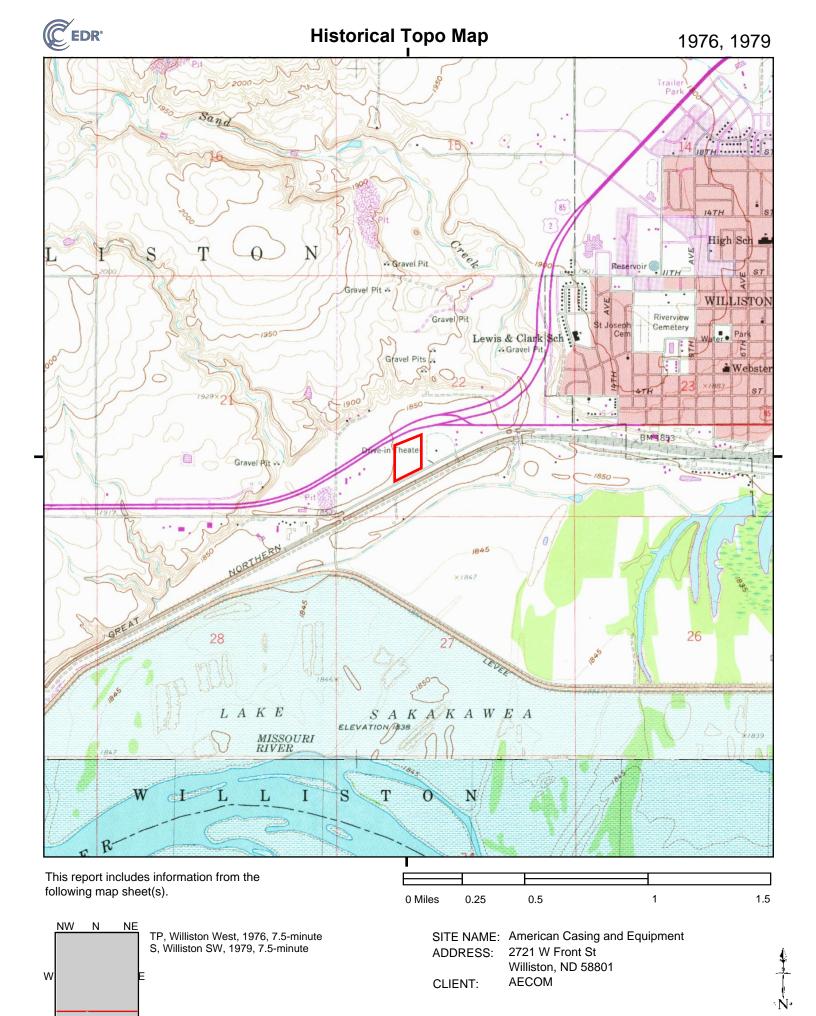
0 Miles 0.25 0.5 1 1.5

SITE NAME: American Casing and Equipment

ADDRESS: 2721 W Front St

Williston, ND 58801

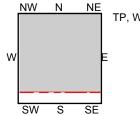
CLIENT: AECOM



S

SE

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



TP, Williston West, 1959, 7.5-minute



SITE NAME: American Casing and Equipment

ADDRESS: 2721 W Front St

Williston, ND 58801

CLIENT: AECOM



**Appendix C Qualifications of Environmental Professional** 

July, 2018 AECOM

## Ryan Klute Geologist

#### **Professional History**

05/2016 - Present, AECOM Geologist 2011- 2016, Earth Systems Geologist 2010-2011, Florida Ag Research Lead EPA Good Laboratory Practices Scientist 2008-2009, The Mosaic Company Exploration Geologist

#### Education

BS, Geology, University of South Florida, 2008

#### Years of Experience

With AECOM: 1
With Other Firms: 7

#### Certifications

OSHA 40-Hour HAZWOPER
OSHA H2S
OSHA 8-Hour HAZWOPER Supervisor
OSHA 10-hour Construction Safety and
Health

#### **Professional Affiliations**

Geological Society of America

Mr. Klute is a geologist that specializes in environmental assessments and remediation services for oil and gas operations. Services include emergency response for oil/gas incidents, soil and water sampling, contractor oversight and development of remediation plans. He has extensive experience with the implementation of North Dakota Department of Health guidelines and regulations, North Dakota Industrial Commission regulations, and the impacts on the final remediation of spill sites. Other qualifications include Phase I and Phase II assessments, invoicing, and reporting.

#### Experience

Basin Electric Power Cooperative, AVS/LOS Landfill CCR Wells, Bismarck, North Dakota. Performed activities which satisfy the federal requirements for the monitoring of groundwater at a coal combustion residuals site. Scope of work included installation and assessment of groundwater wells, delineation of soils, groundwater sampling, development of budget, and site assessment reports.

Phase I Site Investigation, Pro-Frac Heating, Williston, North Dakota. Led a Phase I Environmental Site Assessment at an oil field service company as part of a pre-purchase agreement. The site visit included a tour of the interior and exterior of the facility with an emphasis on waste water discharge, hazardous waste management, and solid waste management.

# Confidential Client, Natural Gas Condensate Site Investigation, Watford City, North Dakota.

Performed site investigation activities for a release of natural gas condensate on an active natural gas processing plant. Conducted assessment and delineation of soil and groundwater impacts through direct push technology soil borings to delineate shallow sub-surface impacts to soil and groundwater and installation of monitoring wells and recovery wells. Installed soil gas vapor points to assess vapor concentrations in soils to delineate possible migration of LNAPL vapors. Performed low flow groundwater sampling at monitoring wells. Performed on-site contractor oversight, client communication and reporting.

# Hess Corporation, Emergency Response and Site Remediation, Multiple Sites, Florida/North Dakota

Conducted projects from the initial emergency response to complete site remediation on multiple petroleum and produced water spills. Activities included coordination and on-site supervision of emergency response contractors, collection of soils for assessment and delineation, monitoring well installation, collection of groundwater samples, removal of impacted soils/water, and final closure of remediated site. Scope of work also included the management of subcontractors, invoicing, and closure reports.

Emerald Oil Corp., Multiple Well Sites, McKenzie County, North Dakota Site investigation study including a Phase I assessment of 50 oil-producing well sites prior to purchase. Development and completion of a Phase II investigation based on well file research and on-site observations. Report with recommendations for purchase and further recommended remediation.



## Aaron M. Clotts Project Manager

#### **Professional History**

02/2001 - Present, AECOM Air Quality Scientist 07/1999 - 12/2000, Air Compliance Testing 11/1988 - 11/1994, United States Navy

#### **Education**

BS, Environmental Science, Cleveland State University, 1999 US Navy – Naval Nuclear Power Training Program, 1990

#### Years of Experience

With AECOM: 17
With Other Firms: 1

#### **Training**

OSHA HAZWOPER 40-Hour Training
OSHA 30-Hour General Industry Training
E-Railsafe Training
Roadway Worker Protection Training

#### Certifications

First Aid and CPR Certified

Mr. Clotts is a project manager and environmental scientist providing permitting and compliance services in AECOM's Minneapolis office. Mr. Clotts has over 17 years of experience in environmental due diligence, environmental compliance auditing, air permitting (construction, Title V, PSD), and permit compliance support. He has completed air quality permit applications, reports and compliance evaluations; Tier II and Toxic Release Inventory (TRI) reports for various industries across the US. The industrial sectors he has worked with have included electric power generation, oil refining, automobile assembly, Class I railroads, aerospace (manufacturing and commercial airlines), agribusiness (vegetable oil extraction, corn wet milling, fuel ethanol production, and grain elevators), paint and coatings manufacture, and general manufacturing.

Mr. Clotts has conducted or managed approximately 125 environmental due diligence assessments in support of liability assessment, mergers and acquisitions, and refinancings involving industrial and commercial facilities located across the United States. Mr. Clotts also has extensive experience conducting regulatory compliance assessments for industrial facilities. Mr. Clotts meets the definition of an environmental professional (EP) as defined in §312.10 of 40 Code of Federal Regulations (CFR).

#### **Experience**

Confidential Client, Environmental Due Diligence, Minnesota and Wisconsin. Project manager and assessor for a multi-site environmental due diligence portfolio assessing dairy processing facilities for the purposes of acquisition. Managed AECOM team to perform on-site assignments and deliver technical reports within a compressed timescale.

Confidential Client, Environmental Due Diligence, Minnesota, Missouri, South Dakota, and Wisconsin. Project manager and assessor for a multisite environmental due diligence portfolio assessing dairy processing facilities for the purposes of acquisition. Managed AECOM team to perform on-site assignments and deliver technical reports within a compressed timescale.

Class I Railroad, Environmental Due Diligence, Iowa and South Dakota. Project manager for a multi-site environmental due diligence portfolio assessing railroad right-of-way and rail yard properties. Managed AECOM team to perform on-site assignments and deliver technical reports within a compressed timescale.

#### Confidential Client, Environmental Due Diligence, United States.

Project manager for an environmental site assessment of three metal parts fabrication facilities located in the United States. The evaluation included a review of potential liabilities related to site contaminations and



environmental compliance assessment.

Merrill Corporation, Environmental Due Diligence, St. Paul, Minnesota. Completed an environmental site assessment of a flexographic printing facility located in St Paul, Minnesota. The evaluation included a review of potential liabilities related to site contaminations and environmental compliance assessment.

Confidential Client, Environmental Due Diligence Investigation, United States. Completed an environmental site assessment of a large taconite mining and processing complex located in Northern Minnesota. The evaluation included a review of potential liabilities related to site contamination and environmental compliance. Site has a 50-yr operating history and had a complex air and water discharge permitting history.

Confidential Client, Environmental Due Diligence, Michigan. Completed environmental site assessments of two biomass (wood) fired electric generation facilities located in Michigan. The evaluation included a review of potential liabilities related to site contamination and environmental compliance assessment.

Woodharbor Doors and Cabinets, Environmental Due Diligence Investigation of Wood Door and Kitchen Cabinet Manufacturing Facility, Iowa. Completed an environmental site assessment of a wood door and kitchen cabinet manufacturing facility located in Iowa. The evaluation included a review of potential liabilities related to site contamination and environmental compliance.

Confidential Client, Environmental Compliance Audits, Illinois and Texas. Auditing team member for a multi-media environmental compliance audit of three simple cycle natural gas fired power plants. The audit addressed all environmental areas and federal, state, and local legal requirements.

Confidential Client, Environmental Compliance Audit, Wisconsin.

Audit team member for a multi-media environmental compliance audit of a 50 MW biomass fired power station. The audit addressed all environmental areas and federal, state, and local legal requirements.

Confidential Client, Environmental Compliance Audit, Ohio and Texas. Audit team member for a multi-media environmental compliance audits of two oil refineries located in Ohio and Texas. The audits addressed all federal and state legal requirements.

Confidential Client, Environmental Compliance Audit, Minnesota. Audit team member for a water focused environmental compliance audit of an oil refinery. The audit addressed all federal and state legal requirements.

Confidential Client, Environmental Compliance Audit, Utah. Audit team member for an air focused environmental compliance audit an oil refinery located in Salt Lake City, Utah. The audit addressed federal NESHAP and NSPS; and state air approval (permit) requirements.



Confidential Client, Environmental Compliance Audit, Illinois. Audit team member for a multi-media environmental compliance audit of expandable polystyrene production facility located in Illinois. The audit addressed all federal and state legal requirements.

Confidential Client, Environmental Compliance Audit, Kansas. Audit team member for a multi-media environmental compliance audit of aircraft airframe component manufacturing facility located in Kansas. The audit addressed all federal and state legal requirements.

Confidential Client, Environmental Compliance Audits, Illinois, Florida, Minnesota, Texas and Washington. Audit team member for a multi-media environmental compliance audits of five commercial airline stations including aircraft maintenance operations located in Illinois, Florida, Minnesota, Texas and Washington. The audits addressed all federal and state legal requirements

Class I Railroad, Environmental Audits, Kansas, Minnesota, Nebraska, North Dakota. Conducted environmental compliance audits for nine rail yards. The scope of the audits included the review of the facilities' compliance with all applicable environmental local, state, and federal regulations. The audit reports consisted of a description of each finding, the applicable regulatory citation, and a brief description of the requirement. Standardized audit protocols were used along with auditor's knowledge and independent research.

**Cargill, Inc., PSD Air Permitting, Ohio.** Prepared a PSD air permit amendment application for an oil seeds extraction facility. Was responsible for inventorying emissions sources, preparing emissions calculations, determining regulatory applicability, preparing permit application forms, reviewing the draft Title V air permit, and completing negotiations with the regulatory agency.

The Valspar Corporation, Air Permitting, Illinois, Indiana, and Ohio. Prepared and managed numerous minor and major air permit amendment applications for batch chemical manufacturing facilities located in IL, IN, and OH. The air permit applications required preparing and/or updating emissions calculations prepared using the US EPA Emission Inventory Improvement Program (EIIP) Volume II: Chapter 8 (Methods for Estimating Air Emissions from Paint, Ink, and Other Coating Manufacturing Facilities.

**POET Biorefining, Various Sites, Indiana and Ohio.** Prepared major air permit amendment applications for six corn drymill ethanol facilities located in Indiana and Ohio. Was responsible for inventorying emissions sources, reviewing emissions calculations, determining regulatory applicability, and preparing permit application forms.

**FermiLab, Batavia, IL.** Prepared a FESOP air permit application for a large research facility. Was responsible for inventorying emissions sources, reviewing emissions calculations, determining regulatory applicability, and preparing permit application forms.

AECOM Technical Services Inc. 1000 E. Calgary Ave Suite 1 Bismarck, ND 58503 aecom com