

# Phase I Environmental Site Assessment

Vacant Lot  
Lot 6, Block 1, of Schmaltz Addition  
Linton, North Dakota

Project: PHI1313

*Prepared for:*

Delta T Development, LLC  
2425 Lumbley Road  
Rainbow City, Alabama 35906

August 6, 2013

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## 1.0 EXECUTIVE SUMMARY

On July 25, 2013, Blacktrail Environmental, Inc. (Blacktrail) performed a Phase I Environmental Site Assessment (ESA) reconnaissance of a vacant lot located at Lot 6, Block 1, of Schmaltz Addition, Linton, Emmons County, North Dakota (herein after referred to as the "Site"). The Site is located on the west side of U.S. Highway 83 near the north side of Linton, North Dakota. The Site property is located in Section 7, Township 132 North (T132N), Range 76 West (R76W) of the 5<sup>th</sup> Principal Meridian.

This study was performed for Delta T Development, LLC, to assess the Site property and surrounding properties for areas of potential environmental risk and liability, which may have a negative impact on the Site property. This assessment included visual observations of the Site property and limited observations of surrounding properties, review of historical land use, review of regulatory database listings, interviews, and other related sources pertaining to the Site property.

Blacktrail acknowledges that Delta T Development, LLC, may rely upon this report's contents and conclusions. The assessment was conducted in accordance with (a) the *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment (ESA) Process* (E 1527-05) issued by the American Society for Testing and Materials (ASTM). The main objective of this Phase I ESA was to identify the presence or likely presence, use, or release on the Site of hazardous substances or petroleum products as defined in ASTM Practice E 1527-05 as a *recognized environmental condition (REC)* or a *historical recognized environmental condition (HREC)*. No special terms and conditions outside ASTM Practice E 1527-05 have been addressed. A brief summary of the assessment findings is presented below.

- According to historical research and interviews with individuals associated with the Site property, the Site was developed in 1915 with an approximately 5,000 square foot building. The City of Linton does not have records for the Site until 1963. The available City records indicate the Site was occupied by a series of grocery stores (Hi-Way Grocery, T&R Warehouse Foods, Wagner's Super Value, etc.) since 1963 to at least 2010.
- No visual evidence (e.g., pipes, vents, pumps, stains) that would indicate past or present USTs on the Site property was apparent during the investigation of the Site. Furthermore, a review of the regulatory database search report (see Attachment G), interviews with agency officials, as well as historical research, revealed no historical USTs have been located on the Site property or on an adjoining property.
- No visual evidence (e.g., pipes, pumps, stains, concrete saddles, AST foundations, etc.) that would indicate past or present ASTs was identified on the Site property. Furthermore, a review of the regulatory database search report and historic documentation (see Attachment G) and interviews with local officials revealed no historical ASTs have been located on the Site property or on an adjoining property.
- No evidence (pits, ponds, lagoons, stressed vegetation, staining, etc.) of past or present production or commercial use of hazardous substances was identified at the Site property. The records review and personal interviews disclosed no information indicating that activities relating to hazardous substances have occurred historically at the Site property.

- No evidence of past or present storage of solid waste (landfills, etc.) was identified on the Site property. Furthermore, a review of the regulatory database search report and historic documentation (see Attachment G) and interviews with local officials revealed no evidence the Site property was used for the storage of solid waste.
- No water or sewage services from a publicly-owned treatment facility are currently connected to the Site property. No current or historical wells or septic systems are/were located on the Site property.
- No pad- and/or pole-mounted transformers are located on the Site property; therefore, there are no suspect polychlorinated biphenyls (PCBs) contaminated fluids on the Site property.
- No electrical or natural gas services are currently supplied to the Site property.
- The Site property is level with no discernible slope. The general slope of the area of the Site is to the southwest. Storm water runoff at the Site property would flow southwest and to low areas (ditches) along U.S. Highway 83, eventually to Spring Creek located west of the Site.
- A review of the Flood Emergency Management Agency (FEMA) flood map indicates the Site property is located outside of the 100 and 500-year flood plains. No report of recent flooding was disclosed during interviews with local officials and agency representatives.
- The review of environmental agency databases and local environmental records indicate the Site property is *not listed* on a database of environmental concern (NPL, LUST, UST, etc.).
- The review of environmental agency databases and local environmental records indicates the closest facility with an environmental concern is K&M Electric Cooperative (K&M) located approximately one-quarter mile east-southeast of the Site. K&M is a leaking underground storage tank (LUST) facility. According to records for this facility available for review at the North Dakota Department of Health (NDDH), the release from the underground storage tank did not extend off the K&M property, and the K&M facility has been cleaned up to the satisfaction of the NDDH. Based on this information, and its significant distance from the Site, the K&M facility is not an environmental concern to the Site.

## 1.1 Recognized Environmental Conditions

Blacktrail has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527 of the Site property. Any exceptions to, or deletions from, this practice are described in the pertinent sections of this report. This assessment has revealed no evidence of a *recognized environmental condition* (REC) in connection with the Site property.

## 1.2 Historical Recognized Environmental Conditions

This assessment revealed no evidence of a *historical recognized environmental condition* (HREC) in connection with the Site property.

## 2.0 INTRODUCTION

This report documents our findings, opinions and conclusions of a Phase I Environmental Site Assessment (ESA) of a vacant lot located at Lot 6, Block 1, of Schmaltz Addition, Linton, Emmons County, North Dakota. The Site is located on the west side of U.S. Highway 83 near the north side of Linton, North Dakota. The Site property is located in the Section 7, T132N, R76W of the 5<sup>th</sup> Principal Meridian.

### 2.1 Purpose

The purpose of this Phase I ESA was to identify *recognized environmental conditions* (RECs) and *historical recognized environmental conditions* (HRECs) in connection with the Site property at the time of the Site reconnaissance.

### 2.2 Scope-of-Services

This Phase I ESA was conducted utilizing a standard of good commercial and customary practice that was consistent with the ASTM Standard Practice E 1527-05 and §312.10 of 40 CFR 312. There are no significant scope-of-work additions, deletions, or deviations from the recommended exercises set forth in ASTM Practice E 1527-05 in this report. The scope-of-work for this assessment includes an evaluation of the following:

- Physical characteristics of the Site through a review of referenced sources for topographic and geologic data;
- Site history through a review of referenced sources such as land deeds (if provided by the client), fire insurance maps, city directories, aerial photographs, prior reports and interviews;
- Current Site conditions, including observations and interviews regarding the presence or absence of hazardous substances or petroleum products; generation, treatment, storage, or disposal of hazardous, regulated, or medical waste; equipment that utilizes oils which potentially contain PCBs; and storage tanks (aboveground or underground);
- Usage of surrounding properties and the likelihood for releases of hazardous substances and petroleum products (if known and/or suspected) to migrate onto the Site;
- Information in referenced environmental agency databases and local environmental records, within specified minimum search distances; and
- Potential issues of environmental (e.g., regulatory or material) non-compliance as may be noted during the Site inspection.

Blacktrail did not significantly delete or deviate from the recommended exercises set forth in ASTM Practice E 1527-05 when completing this Phase I ESA. The scope-of-work did not include consideration of potential environmental conditions that are outside the scope of ASTM Practice E 1527-05 such as those that pertain to radon, lead-based paints (LBPs), lead in drinking water, wetlands, cultural & historic resources, industrial hygiene, health & safety, ecological resources, endangered species, indoor air quality, and/or high voltage power lines.

## 2.3 Assumptions, Limitations and Exceptions

Blacktrail has prepared this Phase I ESA using reasonable efforts in each phase of our work to identify RECs associated with hazardous substances or petroleum products at the Site. The scope-of-work for this Phase I ESA was consistent with the guidelines set forth in ASTM Standard Practice E 1527-05. The Blacktrail individual that prepared this report meets the definition of an "Environmental Professional" as defined in §312.10 of 40 CFR 312, and has specific qualification based on education, training, and experience to assess a property of the nature, history, and setting of the Site property. The environmental professional has developed and performed the all appropriate inquires in conformance with the standards and practices set forth in 40 CFR Part 312. Findings within this report are based upon information collected from observations made on the date of the reconnaissance of the Site and from reasonably ascertainable information obtained from governing public agencies and referenced sources.

This report is not definitive and should not be assumed to be a complete or specific definition of all conditions above or below grade. Subsurface conditions may differ from the conditions implied by the surface observations and can only be evaluated reliably through intrusive techniques. Information in this report is not intended to be used as a construction document and should not be used for demolition, renovation, or other construction purposes. Blacktrail makes no representation or warranty that the past or current operations at the Site are or have been in compliance with all applicable federal, state and local laws, regulations, and/or codes.

Regardless of the findings stated in this report, Blacktrail is not responsible for consequences or conditions arising from facts that were concealed, withheld, or not fully disclosed at the time the assessment was conducted. This report does not warrant against future operations or conditions, nor does it warrant against operations or conditions present of a type or at a location not investigated.

The regulatory database report provided is based on an evaluation of the data collected and compiled by a contracted data research company. The report focuses on Site and neighboring properties that could impact the Site. Neighboring properties listed in governmental environmental records are identified within specific search distances. The search distance varies depending upon the particular government record being checked. The regulatory research is designed to meet the requirements of ASTM Practice E 1527-05. The information provided in the regulatory database report is assumed to be correct and complete unless obviously contradicted by field observation or other reviewed sources.

Reasonable efforts have been made during this assessment of aboveground storage tanks (ASTs), underground storage tanks (USTs), and ancillary equipment. "Reasonable efforts" are limited to information gained from visual observation of largely unobstructed areas, recorded database information held in public record and available information gathered from interviews. Such methods may not identify subsurface equipment that may have been hidden from view due to snow cover, paving, construction or debris pile storage, or incorrect information from sources.

Blacktrail is not a professional title insurance firm and makes no guarantee, explicit or implied, that any land title records reviewed represent a comprehensive or precise delineation of past Site ownership or occupancy for legal purposes. Blacktrail did not address as part of this Phase I ESA other potential environmental conditions that are outside the scope of ASTM Practice E 1527-05, such as those that pertain to radon, lead-based paints (LBPs), lead in drinking water,

wetlands, cultural & historic resources, industrial hygiene, health & safety, ecological resources, endangered species, indoor air quality, and/or high voltage power lines.

## **2.4 Special Terms and Conditions (User Reliance)**

This report is for the use and benefit of, and may be relied upon by Delta T Development, LLC, or any of their affiliates and/or third parties authorized in writing by Blacktrail in connection with a secured financing or transfer of the Site. Any third party agrees by accepting this report that any use or reliance on this report shall be limited by the exceptions and limitations in this report, with the acknowledgment that actual property conditions may change with time, and that hidden conditions may exist at the Site that were not discovered within the authorized scope of the assessment.

Blacktrail warrants that the services, findings, and/or recommendations provided to Delta T Development, LLC, their affiliates and subsidiaries, and their respective successors and assigns, have been prepared, performed and rendered in accordance with procedures, practices and standards generally accepted and customary in the consultant's profession for use in similar assignments. Blacktrail shall indemnify, save and hold harmless Delta T Development, LLC, from and against any and all losses, costs, expenses, and liabilities, including without limit reasonable attorney fees, which are attributable to the breach of the above warranty, up to an aggregate amount of \$1,000,000 (One Million Dollars), notwithstanding any limitation (expressed or implied) contained in any other agreement or document relating to the services, findings and/or recommendations provided by Blacktrail.

Blacktrail makes no other representation to any other third party, except that it has used the degree of care and skill ordinarily exercised by environmental consultants in the preparation of the report and in the assembly of data and information related thereto. No other warranties are made to any third party, either expressed or implied. Blacktrail's liability to any third party authorized to use or rely on this report (except Delta T Development, LLC) with respect to any acts or omissions shall be limited to a maximum of \$50,000.

## **2.5 Client Provided Information**

The following subsections summarize information provided to Blacktrail to assist with the performance of this Phase I ESA. Blacktrail was unaccompanied during the Site visit by a representative of Delta T Development, LLC; or by the owner, Linton Industrial Development Corporation.

### **2.5.1 Title Records**

A copy of historical title information was not available from the owner (Linton Industrial Development Corporation) of the Site property or the client (Delta T Development, LLC). Obtaining and reviewing a title for the property is outside the scope-of-work for this project and outside the ASTM guidelines for a Phase I ESA (unless the title is provided for the assessment).

### **2.5.2 Environmental Liens or Activity and Use Limitations**

According to federal records of Superfund Liens and Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Liens, the Site does not have any environmental liens recorded against it. No environmental liens, activity, or use limitations were identified in association with the Site.

### **2.5.3 Specialized Knowledge**

A representative of Site property, Ms. Sharon Jangula, was contacted for any possible specialized knowledge regarding valuation reduction for environmental issues associated with the Site property. The representative was not aware of any environmental issue that would result in a value reduction.

### **2.5.4 Valuation Reduction for Environmental Issues**

The Site owner's representative is not aware of a reduction in the Site value on account of environmental issues associated with the Site property.

### **2.5.5 Owner, Property Manager, and Occupant Information**

The Site property is vacant lot. According to the available information obtained during the research activities for this report, the Site property was developed in 1915 and has been occupied by a series of grocery stores from at least 1963 to approximately 2010.

### **2.5.6 Reason for Performing the Phase I ESA**

It is Blacktrail's understanding that the reason for conducting this Phase I ESA is to perform environmental due diligence before a property transfer or loan application, and/or to secure a financing from an investor.

### **3.0 PHYSICAL SITE DESCRIPTION**

The following subsections describe general conditions and features as noted during the Site reconnaissance. Specific environmental issues, such as chemical and waste storage and/or use, polychlorinated biphenyls (PCBs), storage tanks, etc., are discussed in subsequent sections of this report. Photographs of the Site property and the adjoining properties taken during the Site reconnaissance are provided in Appendix A.

#### **3.1 Location and Description**

The Site consists of a vacant lot located at Lot 6, Block 1, of Schmaltz Addition, Linton, Emmons County, North Dakota. The Site property is located in Section 7, T132N, R76W, of the 5<sup>th</sup> Principal Meridian. According to the County of Emmons zoning map, the Site property is zoned "Commercial."

A Site Location Map (Figure 1, excerpted from USGS topographic maps) and a Site Vicinity Map (including illustrations of adjoining properties) are located in Appendix B.

#### **3.2 Surrounding Area General Characteristics**

The area surrounding the Site is characterized by a retail store (Scherr's Meats) to the north, residential properties to the east and west, and a camp ground (with trailer hook ups for utilities) to the south. A Site Location Map (excerpted from a USGS topographic map) and a Site Vicinity Map (including an aerial photograph) for the Site area are presented in Appendix B.

#### **3.3 Physical Setting**

The following paragraphs summarize the Site's physical setting.

##### **3.3.1 Topography**

Review of the U.S. Geological Survey (USGS) topographic map (Linton, North Dakota Quadrangle, dated 1980) indicates the Site property is approximately 1,721 feet above mean sea level (MSL). The Site is generally level, but the overall slope of the area of the Site is to the southwest. Storm water runoff at the Site property would flow southwest and to low areas (ditches) along U.S. Highway 83, eventually to Spring Creek located west of the Site.

A review of FEMA flood maps disclosed the Site property is located outside of the 100- and 500-year flood plains. There was no evidence of flooding, and there were no reports of flooding during interviews with the local officials and/or agency representatives.

##### **3.3.2 Geology**

According to information available from P.G. Schruben, R.E. Arndt and W.J. Bawiec's "Geology of the Conterminous U.S.," and a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS – 11, and dated 1994; the regional geology in the area of the Site property is in the Mesozoic Era, Cretaceous System, Taylor Group Series (Category: Stratified Sequence).

The United States Department of Agriculture (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. According to the USDA-SCS SSURGO data, the soil at the Site is primarily Shambo (loam). Shambo soils are deep and moderately deep; moderately well and well-drained soil with moderately coarse textures; and moderate infiltration rates.

More detailed information regarding the geology at the Site is presented in the database search report located in Appendix G (starting on Page A-5).

### **3.3.3 Hydrology**

Regional groundwater flow direction is generally influenced by major hydrogeologic features such as rivers or lakes. Surface and/or bedrock topography may also influence regional groundwater flow direction. The available topographic information indicates that the regional groundwater flow is generally from northeast to southwest. Therefore, in assessing potential external impacts, properties located directly northeast of the Site are of primary concern. It should be noted that local geologic features may cause local groundwater flow direction to differ from the regional flow direction. A complete hydrogeologic investigation would be necessary to determine actual groundwater flow direction.

No conditions have been identified in which hazardous substances or petroleum products are likely to migrate to the Site property or from or within the Site property into the groundwater or soil; therefore, USGS groundwater maps were not reviewed for this ESA. However, based on previous research by Blacktrail professionals and review of USGS groundwater maps, it is likely the first water-bearing zone is approximately 15 to 20 feet below the ground surface at all the Site.

## **3.4 Current Use of the Site**

The Site property is currently vacant/undeveloped land in a commercial and residential area of Linton, North Dakota (see photographs in Appendix A). The Site is zoned "Commercial".

## **3.5 Description of Site Improvements**

The Site property is currently vacant land. There are no buildings or structures located on the Site property; however, remnants of a concrete foundation were evident during the reconnaissance of the property. According to City records and interviews with agency representatives, the Site was formerly a series of grocery stores.

## **3.6 Current Use of the Adjoining Properties**

Blacktrail personnel performed limited visual observations of the adjoining properties in an attempt to identify areas of potential risk to the Site resulting from activities within the surrounding area. Observations of adjoining properties were limited to accessible public areas and areas that could be readily observed from the Site. The occupants and apparent uses of the land adjoining the Site are listed below, and a Site Map including illustrations of adjoining properties is located in Appendix B.

**North** – Scherr's Meats (202 Highway 83)

**East** – U.S. Highway 83, followed by single-family residential properties

**South** – Camp grounds (with utility hook-ups for trailers and mobile homes)

**West** – Single-family residential dwellings

No area of environmental concern was identified during the assessment of the adjoining properties.

## **4.0 PHYSICAL SITE RECONNAISSANCE**

Mr. John Spilman, CSP, CHMM, a Senior Environmental Engineer, conducted the Site visit on July 25, 2013. A summary of the observations made during the Site reconnaissance is presented below.

### **4.1 Methodology and Limiting Conditions**

The Site reconnaissance consisted of visual and/or physical observations of: the Site and improvements; adjoining properties as viewed from the Site; and, the surrounding area based on visual observations made during the trip to and from the Site. Unimproved portions of the Site were observed along the perimeter and in a general grid pattern in safely accessible areas. Building exteriors, if any, were observed along the perimeter from the ground, unless described otherwise. Building interiors were observed, as they were made safely accessible, unless described otherwise.

### **4.2 Site Observations**

The Site property is currently vacant lot. Remnants of a concrete foundation, and a sign indicating that a natural gas line exists on-Site, were evident during the reconnaissance. No significant staining, stressed vegetation, pits, ponds, or lagoons or usual odors were noted on or in the near vicinity of the Site property.

No environmental concerns were identified during the walk-through of the Site property.

### **4.3 Storage Tanks**

#### **4.3.1 Underground Storage Tanks (USTs)**

No visual evidence (e.g., pipes, vents, pumps, stains) that would indicate past or present USTs on the Site property was apparent during the Site reconnaissance. Furthermore, a review of the regulatory database search report and historic documentation (see Attachment G) and interviews with local officials revealed no historical USTs have been located on the Site property.

#### **4.3.2 Aboveground Storage Tanks (ASTs)**

No visual evidence (e.g., pipes, pumps, stains, concrete saddles, AST foundations, etc.) that would indicate past usage of ASTs was identified on the Site property. Furthermore, a review of the regulatory database search report and historic documentation (see Attachment G) and interviews with local officials revealed no historical ASTs have been located on the Site property.

### **4.4 Hazardous Substances/Petroleum Products Storage & Use**

Hazardous waste is any solid waste or combination of solid wastes that may pose a substantial present or potential hazard to human health or the environment when improperly treated, stored, transported, disposed of, or otherwise managed (condensed from 40 CFR Part 261.3). In 1976, the Resource Conservation and Recovery Act (RCRA) was enacted as a regulatory statute designed to impose management requirements on generators and transporters of hazardous waste and on owners and operators of treatment, storage, and disposal facilities.

No evidence (pits, ponds, lagoons, stressed vegetation, staining, etc.) of past or present production or commercial use of hazardous substances was identified at the Site. The records review and personal interviews disclosed no information indicating that activities relating to hazardous substances have occurred historically at the Site property.

#### **4.5 Waste Generation & Disposal**

Solid waste is defined as any non-exempt solid, liquid, semi-solid, or contained gaseous material that has been discarded, has served its intended purpose, is a by-product of manufacturing or mining, or constitutes garbage, refuse, or sludge (condensed from 40 CFR Part 260, Appendix I).

No solid waste storage containers (garbage cans, dumpsters, etc.) were located at the Site. No evidence of past or present storage of solid waste (landfills, etc.) was identified at the Site property. Furthermore, a review of the regulatory database search report and historic documentation (see Attachment G) and interviews with local officials revealed no evidence the Site property was used for the storage of solid waste.

#### **4.6 Polychlorinated Biphenyls (PCBs)**

No pad- and/or pole-mounted transformers are presently located on the Site property. No other suspect PCB-containing equipment was identified on the Site.

#### **4.7 Utilities, Wells, & Septic Systems**

No water or municipal waste water services from a publicly-owned treatment facility are presently connected to the Site property. No available information regarding a current or historical well or septic system was uncovered during the research activities for this report.

No electrical service or natural gas is currently supplied to the Site property; however, a natural gas line currently extends to the Site (possibly for a future connection).

## 5.0 INTERVIEWS AND RECORDS REVIEW

In addition to the Site reconnaissance, readily available resources reviewed during the activities for the preparation of this report included: information maintained on file at the Linton Fire Department, Linton Assessors Office, Linton Building Inspections, Linton Public Library, North Dakota State Library, North Dakota Department of Health (NDDH), and the U.S. Department Agriculture – Natural Resource Conservation Service (USDA-NRCS) office in Linton, North Dakota.

### 5.1 Interviews

The following persons were interviewed to obtain information regarding environmental concerns associated with the Site:

NAME/INTERVIEW TYPE	TITLE/COMPANY/ROLE	YEARS ASSOCIATED WITH THE SITE
Mr. Carl Ness – Personal Interview	Manager / North Dakota Department of Health (NDDH) – UST Division / Records Review	Associated with Site Area
Mr. Scott Radig – Phone Interview	Environmental Manager / NDDH / Site Records Review	Review of Available Records
Ms. Shawna Paul – Personal Interview	Linton City Representative / City of Linton	Associated with Site Area
Ms. Marcie Ohlhauser – Personal Interview	Auditor / Emmons County Auditor's Office	Associated with Site Area
Ms. Helen Renschler – Personal Interview	Deputy Auditor / Emmons County Auditor's Office	Associated with Site Area
Ms. Jody Scherr – Personal Interview	Deputy Auditor / Emmons County Auditor's Office	Associated with Site Area
Ms. Mary Senger – Phone Interview	Emmons County Emergency Manager / Emmons County Emergency Office	Associated with Site Area
Ms. Ann Bernhardt – Personal Interview	Tax Director / Emmons County	Associated with Site Area
Mr. Rex Honeyman – Personal Interview	Hydrologist / ND State Water Commission / Records Review	Review of Available Records
Mr. David C. Hvinden – Personal Interview	Executive Staff Officer / N.D. Industrial Commission – Oil & Gas Division/Records	Review of Available Records
Ms. Jennifer Vetter – Personal Interview	District Conservationist / USDA – Natural Resource Conservation Service	Associated with Site Area
Ms. Rhonda Vetsch – Personal Interview	SCD Clerk / USDA – Natural Resource Conservation Service	Associated with Site Area
Ms. Sharon Jangula – Phone Interview	Site Representative / Linton Industrial Development Corporation / Site Owner	Associated with the Site
Mr. Milo – Phone Interview	Project Manager / K&H Electric (and Construction) / Demolition Manager	Manager for Demolition of Site Building
Mr. Jeremy Kuntz – Personal Interview	Assistant Manager / Scherr's Meats / Adjoining Property Representative	Associated with Site

Information provided by these individuals is presented in pertinent sections of this report.

## **5.2 Historical Use Information**

Historical land uses were investigated to identify historical practices or conditions that may have impacted the Site. This included interviews with individuals familiar with the Site, a review (as available) of aerial photographs, fire insurance maps, city directories, prior reports, and other historical sources.

According to historical research and interviews with individuals associated with the Site property, the Site was developed in 1915 with an approximately 5,000 square foot building. The City of Linton does not have records for the Site until 1963. The available City records indicate the Site was occupied by a series of grocery stores (Hi-Way Grocery, T&R Warehouse Foods, Wagner's Super Value, etc.) since 1963 to at least 2010.

### **5.2.1 Aerial Photographs**

Aerial photographs of the Site area, provided in the Environmental Data Resources, Inc. (EDR), dated 1974 (scale 1" = 500'), 1979 (scale 1" = 1,000'), 1985 (scale 1" = 1,000'), 1991 (scale 1" = 1,000'), 1995 (scale 1" = 500'), 2005 (scale 1" = 500'), 2006 (scale 1" = 500'), 2009 (scale 1" = 500'), 2010 (scale 1" = 500'), and 2012 (scale 1" = 500') were reviewed. The aerial photographs were evaluated in an attempt to identify changes in land use and areas of potential environmental concern visible at the Site and surrounding properties.

The Site property appears developed (grocery store) in all but the 2012 photograph. The Site is vacant in the 2012 photograph. In all of the photographs the Site is surrounded by residential properties to the west and east, a camp ground to the south, and commercial properties to the north.

No area of environmental concern was disclosed by the review of the available aerial photographs. Copies of the 1974, 1979, 1985, 1991, 1995, 2005, 2006, 2009, 2010 and 2012 aerial photographs and their associated scales are included in Appendix C.

### **5.2.2 Fire Insurance Maps**

EDR purchased the Sanborn Fire Underwriters Company's collection of fire insurance maps in approximately 1999, and currently owns the largest collection of historic fire insurance maps ("Sanborn maps") in the United States. EDR also reviews Sanborn maps available at the Library of Congress and the University Publications of America. Blacktrail requested historic fire insurance maps from EDR. EDR reported that there are no available Sanborn maps for the area of the Site.

### **5.2.3 City Directories**

Blacktrail attempted to review historical city directory information at the North Dakota State Public Library; however, no historical city directories (i.e., Polk City Directories) were available for the city of Linton, North Dakota.

### **5.2.4 Previous Environmental Investigations**

Blacktrail was not provided with any previous environmental report for the Site, nor was a previous environmental report uncovered during the research activities for this Phase I ESA report.

### 5.2.5 Environmental Liens

According to federal records of Superfund Liens and Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Liens, the Site does not have any environmental liens recorded against it. No environmental liens, activity, or use limitations were identified in association with the Site.

### 5.2.6 Historical Topographic Maps

One topographic map that included the area of the Site, dated 2011, was available for review from the U.S. Geological Service. The review of the historical topographic map indicated the Site property was vacant, and did not identify any environmental concern in connection with the Site property. The topographic map was not available for reproduction.

## 5.3 Standard Environmental Records

A federal and state regulatory records review was performed for the Site and surrounding properties located within a specified radii, to identify use, generation, storage, treatment or disposal of hazardous materials and chemicals or release incidents of such materials, which may impact the Site. This information was obtained from EDR. A copy of the EDR database report is presented in Appendix G of this report. The following table summarizes the databases that were reviewed by Blacktrail and their specified search radii based on the Site visit and actual distances (number of actual facilities is listed, not the number of facilities indicated in the EDR "Map Findings Summary").

<b>SUMMARY OF FEDERAL &amp; STATE AGENCY DATABASE FINDINGS</b>			
<b>Regulatory Database</b>	<b>Minimum Search Distance</b>	<b>Site Listed</b>	<b>Facilities Listed</b>
Federal National Priority List (NPL)	1 mile	No	0
Federal CERCLIS List	1/2 mile	No	0
Federal CERCLIS NFRAP	Site and Adjoining Properties	No	0
Federal RCRA CORRACTS	1 mile	No	0
Federal RCRA non-CORRACTS TSD	1/2 mile	No	0
Federal RCRA Generators	Site and Adjoining Properties	No	0
Federal ERNS List	Site	No	0
State Hazardous Waste Site (SHWS)	1 mile	No	0
State Landfill or Solid Waste Disposal Facilities (SWF)	1/2 mile	No	0
State Leaking Underground Storage Tanks (LUST)	1/2 mile	No	4
State Registered Underground Storage Tanks	Site and Adjoining	No	0

The Site does not appear in any of the environmental databases; however, four LUST facilities were located within one-half mile of the Site. The closest of the four LUST facilities is K&M Electric Cooperative (K&M), located approximately one-quarter mile east-southeast of the Site. According to records for this facility available for review at the North Dakota Department of Health (NDDH), the release from the underground storage tank did not extend off the K&M property, and the K&M facility has been cleaned up to the satisfaction of the NDDH. Based on this information, and its significant distance from the Site, the K&M facility and the other three facilities are not an environmental concern to the Site.

The potential for the facilities identified by the database review to environmentally impact the Site was evaluated on the assessment during the Site reconnaissance, and on the distance and presumed topographic orientation (with respect to groundwater flow) of each facility relative to

the Site. Furthermore, each facility was evaluated on the assessment during the Site reconnaissance and the facility's presumed topographic orientation (USGS quadrangle topographic map). Please note that facilities included in the database report that are beyond the ASTM search radii were reviewed for this report to identify if they may impact the Site property. See the EDR report for additional non-ASTM databases that were searched for the surrounding area.

The EDR database reports contains an "orphan list" that includes facilities that cannot be located by EDR. The "orphan list" of facilities was reviewed to determine if a facility on the orphan list may be within the ASTM search radius. Further research was performed by Blacktrail to identify the location of these facilities. The review of the orphan lists did not indicate that any of the orphan sites were located within the specific search radii, or the addresses provided were insufficient to locate the facilities.

### **5.3.1 Local Regulatory Agency Records**

Blacktrail interviewed several representatives of the City of Linton, residents of Linton, and representatives of the NDDH regarding the Site. The information obtained from the interviews is presented in pertinent sections of this report.

### **5.3.2 Fire Department Records**

Blacktrail contacted a representative of the Linton Fire Department regarding the Site property. According to their records, there are no fuel tanks, hazardous materials, incidents, spills, violations, or petroleum releases on the Site property or in the surrounding areas. Additionally, the Fire Department has never responded to a call for hazardous materials or chemicals at the Site property, nor do they know of any environmental concerns in connection with the Site property or surrounding properties.

### **5.3.3 Local Environmental Agency Records**

Blacktrail interviewed several representatives of various City of Linton and County of Emmons offices for information regarding any known environmental problems with the Site property or the surrounding areas, including historic land disposal facilities, fuel tanks, or petroleum releases. According to representatives, there are not any known environmental concerns in connection with the Site property. See section 5.1 of this report for a list of representatives interviewed for this report.

## **6.0 FINDINGS AND OPINIONS**

According to historical research and interviews with individuals associated with the Site property, the Site was developed in 1915 with a building. The City of Linton does not have records for the Site until 1963; therefore, the unavailable records and information for the Site before 1963 constitute a data gap. Interviews with past owners were not reasonably ascertainable, and thus constitute a data gap. Based on information obtained from other historical sources, these data gaps are not expected to alter the findings of this assessment. In the professional opinion of Blacktrail, all appropriate inquiry has been made into the previous ownership and uses of the Site consistent with good commercial and customary practice in an effort to minimize liability.

### **6.1 Recognized Environmental Conditions**

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527 of a vacant lot located at Lot 6, Block 1, of Schmaltz Addition, Linton, Emmons County, North Dakota. Any exceptions to, or deletions from, this practice are described in the pertinent sections of this report. This assessment has revealed no evidence of a *recognized environmental condition* (REC) in connection with the Site property.

### **6.2 Historical Recognized Environmental Conditions**

This assessment revealed no evidence of a *historical recognized environmental condition* (HREC) in connection with the Site property.

## 7.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

Blacktrail has performed a Phase I ESA of a vacant lot located at Lot 6, Block 1, of Schmaltz Addition, Linton, Emmons County, North Dakota. The Blacktrail professional that prepared this report declares that, to the best of his knowledge and belief meets the definition of an "Environmental Professional" as defined in §312.10 of 40 CFR 312, and has specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Site. This environmental professional has developed and performed the "all appropriate inquires" in conformance with the standards and practices set forth in 40 CFR Part 312.

The scope of the ESA was consistent with practices and procedures set forth in ASTM Practice E 1527-05. A resume for the following environmental professional is included in Appendix H.

### **Blacktrail Environmental, Inc.**

A handwritten signature in black ink, appearing to read "John Spilman". The signature is fluid and cursive, with the first name "John" and last name "Spilman" clearly distinguishable.

John Spilman, CSP, CHMM  
Sr. Environmental Engineer

## 8.0 REFERENCES

- ASTM, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Designation E 1527-05, Published November 2005.
- U.S. Geological Survey Topographic Map, Linton, North Dakota Quadrangle, 7.5 Minute Series (Topographic), dated 1980.
- P.G. Schruben, R.E. Arndt and W.J. Bawiec's "Geology of the Conterminous U.S.," and a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS – 11, dated 1994.
- Lee Clayton (with assistance from S.R. Moran, J.P. Bluemle, and C.G. Carlson) "Geologic Map of North Dakota," 1980.
- United States Department of Agriculture – Natural Resource Conservation Service (USDA-NRCS), Soil Survey for Emmons County, North Dakota, September 1980.
- Environmental Data Resources, Inc., 440 Wheelers Farms Road, Milford, Connecticut 06461; The EDR Radius Map with GeoCheck®; Family Dollar, U.S. Highway 83, Linton, ND 58552; Inquiry Number 3675977.2s, July 25, 2013.
- Environmental Data Resources, Inc., 440 Wheelers Farms Road, Milford, Connecticut 06460; The EDR Aerial Photo Decade Package®; Family Dollar, U.S. Highway 83, Linton, ND 58552; Inquiry Number 3675977.5, July 25, 2013.
- Environmental Data Resources, Inc., 440 Wheelers Farms Road, Milford, Connecticut 06460; Certified Sanborn® Map Report, Family Dollar, U.S. Highway 83, Linton, ND 58552; Inquiry Number 3675977.3, July 25, 2013.
- Linton Public Library, 101 1<sup>st</sup> Street NE, Linton, North Dakota 58552; Historic City Directories (non-available).
- Linton Fire Department, Representative, 100 E Pine Avenue, Linton, North Dakota.
- U.S. Department of Agriculture – Natural Resource Conservation Service, Ms. Jennifer Vetter, District Conservationist, 318 Broadway Street South, Linton, North Dakota 58552.
- U.S. Department of Agriculture – Natural Resource Conservation Service, Ms. Rhonda Vetsch, District Conservationist, 318 Broadway Street South, Linton, North Dakota 58552.
- City of Linton Assessor's Office, Mr. Kevin Ternes, City Assessor; 1205 31st Street SE, Linton, North Dakota 58701; Phone 701-857-4160.
- City of Linton, Ms. Shawna Paul, Representative; 101 1<sup>st</sup> Street NE, Linton, North Dakota 58552; Phone: 701-254-4460.
- Emmons County Auditor's Office, Ms. Marlys Ohlhauser, County Auditor, 100 4<sup>th</sup> Street NW, P.O. Box 129, Linton, North Dakota.

Emmons County Auditor's Office, Ms. Helen Renschler, Deputy County Auditor, 100 4<sup>th</sup> Street NW, P.O. Box 129, Linton, North Dakota.

Emmons County Auditor's Office, Ms. Jody Scherr, Deputy County Auditor, 100 4<sup>th</sup> Street NW, P.O. Box 129, Linton, North Dakota.

Emmons County Emergency Management Service, Ms. Mary Senger, Emergency Manager; Phone 701-222-6727.

Aerial Photograph, 1995 (scale: 1" = 500'), [www.landvoyage.com](http://www.landvoyage.com).

Montana Dakota Utilities, Representative, Phone: (800) 638-3278

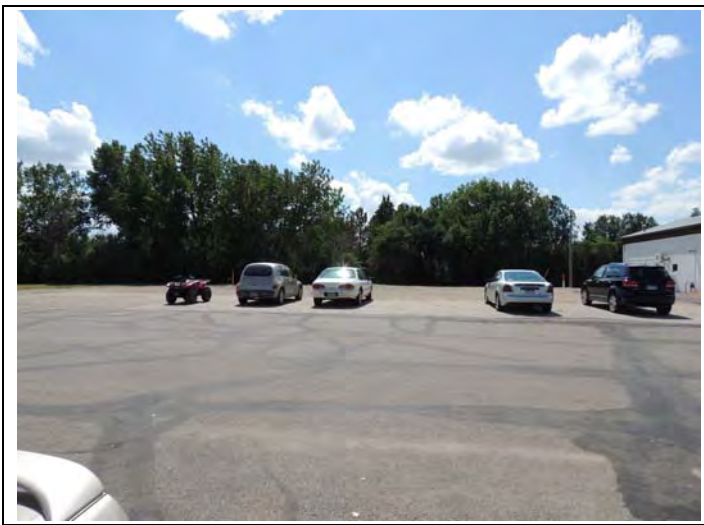
North Dakota Industrial Commission - Department of Mineral Resources (Oil & Gas Division), Mr. David C. Hvinden, Executive Staff Officer, 1016 E. Calgary Avenue, Phone: (701) 328-8020.

North Dakota State Water Commission, Mr. Rex Honeyman, Hydrologist, 900 East Boulevard Avenue, Bismarck, North Dakota; Phone: (701) 328-4957.

Linton Industrial Development Corporation, Ms. Sharon Jangula, Owner's Representative; Phone 701-254-4267.

K&H Electric, Mr. Milo (last name withheld), Project Manager for Demolition of Site Building; Phone 605-216-0416.

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



1. Looking southwest – View of the Site property.



2. Looking northwest – View of the Site property.



3. Looking north – View of the Site property.



4. Looking northeast – View of the Site property.



5. Looking southeast – View of the Site property.



6. Looking southwest – A natural gas pipe extends to the Site property (as marked in photograph).



7. Looking northwest – Scherr’s Meats is located on the north adjoining property.



8. Looking west – Linton Food Center is located north of Scherr’s Meats (a north adjoining property).



9. Looking northeast – Single-family residential properties are located northeast of the Site, across U.S. Highway 83 (in foreground).



10. Looking north - Single-family residential properties are located west of the Site.



11. Looking south – The south adjoining property is a camp ground with trailer hook-ups.



12. Looking south – The south adjoining property is a camp ground with trailer hook-ups.

**APPENDIX B**

**SITE MAPS**



N  
Scale: 1:24,000  
USGS Maps  
Linton, ND  
1980

**Blacktrail Environmental, Inc.**  
1112 Southport Loop, Bismarck, ND 58504  
[www.blacktrail.co](http://www.blacktrail.co) | Phone: 701-527-0274

**Figure 1 - Site Location Map**  
Vacant Lot  
Lot 6, Block 1, Schmaltz Addition  
Linton, North Dakota



No Scale

Basemap:  
Google Maps

**Blacktrail Environmental, Inc.**  
1112 Southport Loop, Bismarck, ND 58504  
[www.blacktrail.co](http://www.blacktrail.co) | Phone: 701-527-0274

**Figure 2 - Site Vicinity Map**  
Vacant Lot  
Lot 6, Block 1, Schmaltz Addition  
Linton, North Dakota

**APPENDIX C**

**HISTORICAL RESEARCH DOCUMENTATION**



**Family Dollar**

U.S. Highway 83

Linton, ND 58552

Inquiry Number: 3675977.5

August 01, 2013

## The EDR Aerial Photo Decade Package

# EDR Aerial Photo Decade Package

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.

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

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

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**Date EDR Searched Historical Sources:**

Aerial Photography August 01, 2013

**Target Property:**

U.S. Highway 83

Linton, ND 58552

<u><i>Year</i></u>	<u><i>Scale</i></u>	<u><i>Details</i></u>	<u><i>Source</i></u>
1974	Aerial Photograph. Scale: 1"=500'	Panel #: 46100-C2, Linton, ND;/Flight Date: October 10, 1974	EDR
1979	Aerial Photograph. Scale: 1"=1000'	Panel #: 46100-C2, Linton, ND;/Flight Date: May 15, 1979	EDR
1985	Aerial Photograph. Scale: 1"=1000'	Panel #: 46100-C2, Linton, ND;/Flight Date: October 01, 1985	EDR
1991	Aerial Photograph. Scale: 1"=1000'	Panel #: 46100-C2, Linton, ND;/Flight Date: July 31, 1991	EDR
1995	Aerial Photograph. Scale: 1"=500'	Panel #: 46100-C2, Linton, ND;/DOQQ - acquisition dates: June 12, 1995	EDR
2005	Aerial Photograph. Scale: 1"=500'	Panel #: 46100-C2, Linton, ND;/Flight Year: 2005	EDR
2006	Aerial Photograph. Scale: 1"=500'	Panel #: 46100-C2, Linton, ND;/Flight Year: 2006	EDR
2009	Aerial Photograph. Scale: 1"=500'	Panel #: 46100-C2, Linton, ND;/Flight Year: 2009	EDR
2010	Aerial Photograph. Scale: 1"=500'	Panel #: 46100-C2, Linton, ND;/Flight Year: 2010	EDR
2012	Aerial Photograph. Scale: 1"=500'	Panel #: 46100-C2, Linton, ND;/Flight Year: 2012	EDR



INQUIRY #: 3675977.5

YEAR: 1974

| = 500'



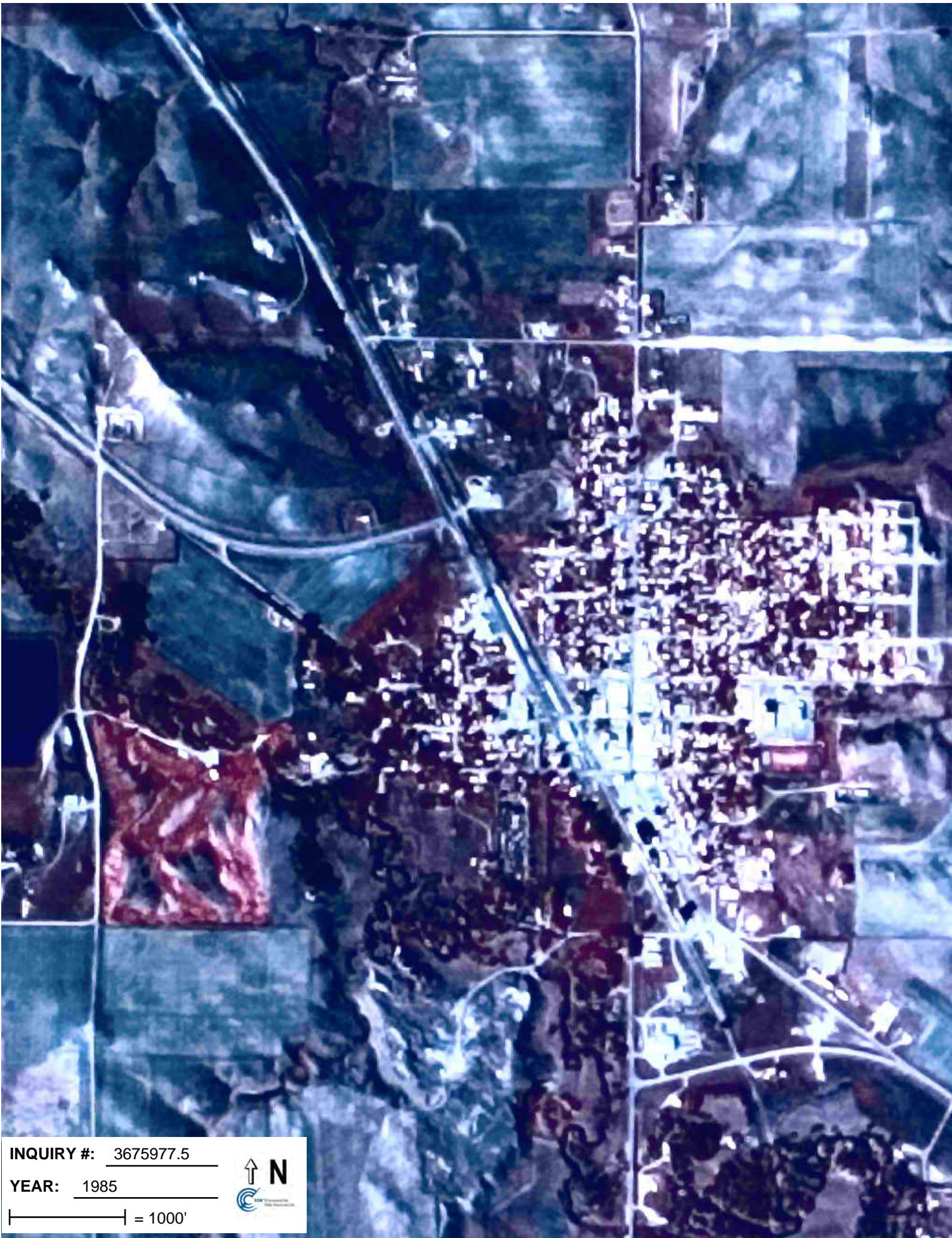


INQUIRY #: 3675977.5

YEAR: 1979

| = 1000'





**INQUIRY #:** 3675977.5  
**YEAR:** 1985  
|—————| = 1000'





**INQUIRY #:** 3675977.5

**YEAR:** 1991

**|** = 1000'





**INQUIRY #:** 3675977.5

**YEAR:** 1995

**|** = 500'





INQUIRY #: 3675977.5

YEAR: 2005

| = 500'



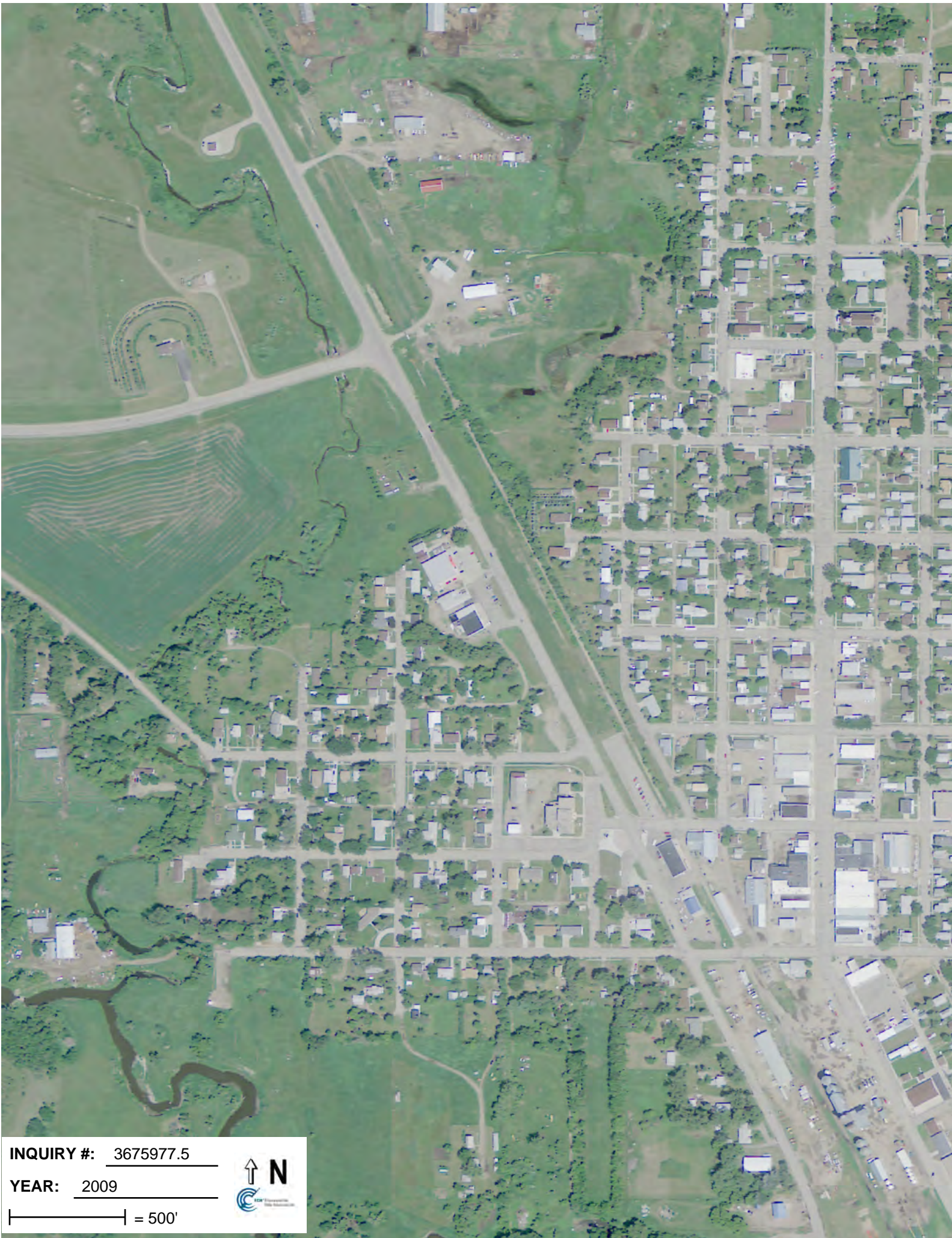


INQUIRY #: 3675977.5

YEAR: 2006

| = 500'





**INQUIRY #:** 3675977.5

**YEAR:** 2009

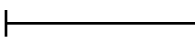
| = 500'





**INQUIRY #:** 3675977.5

**YEAR:** 2010

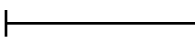
 = 500'





**INQUIRY #:** 3675977.5

**YEAR:** 2012

 = 500'





**Family Dollar**

U.S. Highway 83

Linton, ND 58552

Inquiry Number: 3675977.3

July 25, 2013

## Certified Sanborn® Map Report

# Certified Sanborn® Map Report

7/25/13

**Site Name:**

Family Dollar  
U.S. Highway 83  
Linton, ND 58552

**Client Name:**

Blacktrail Environmental, Inc.  
1112 Southport Loop  
Bismarck, ND 58504



EDR Inquiry # 3675977.3

Contact: John Spilman

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Blacktrail Environmental, Inc. were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting [www.edrnet.com/sanborn](http://www.edrnet.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

## Certified Sanborn Results:

**Site Name:** Family Dollar  
**Address:** U.S. Highway 83  
**City, State, Zip:** Linton, ND 58552  
**Cross Street:**  
**P.O. #** PHI1313  
**Project:** PHI1313 - Family Dollar  
**Certification #** 4CC9-4008-8D7B



Sanborn® Library search results  
Certification # 4CC9-4008-8D7B

## UNMAPPED PROPERTY

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

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, 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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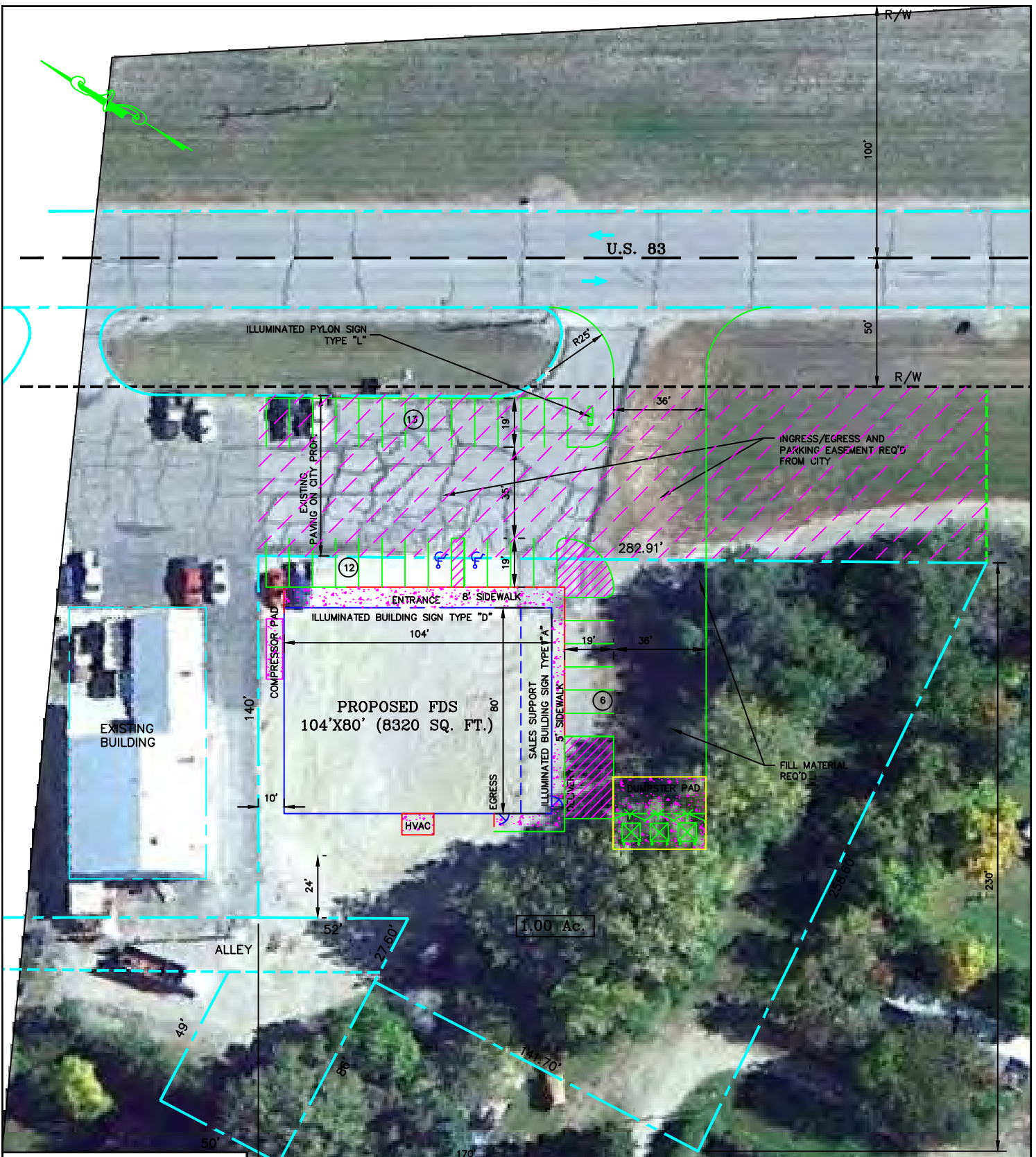
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**APPENDIX D**

**PREVIOUS ENVIRONMENTAL INVESTIGATION REPORTS**

**No previous environmental investigation reports were provided to  
Blacktrail Environmental, Inc. for review.**

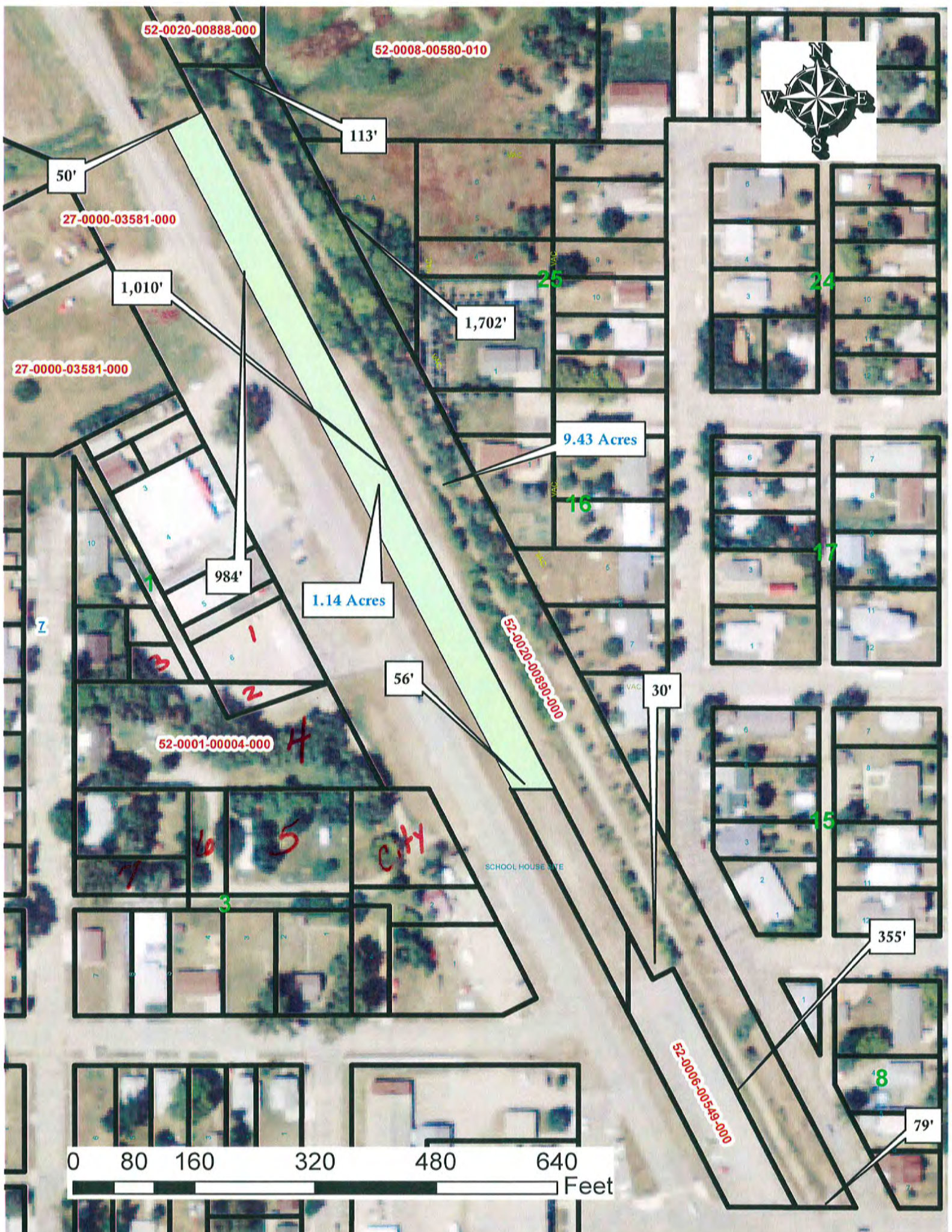
**APPENDIX E**  
**SUPPORTING DOCUMENTATION**



PARKING: 31 PARKS	
ZONING: COMMERCIAL	
SCALE: 1" = 50'	DATE: 02/28/13
Project Name: <b>LINTON</b>	
Drawing No. FD130228	

<p>3 7-15-13 MOVED BLDG. 16' NORTHEAST</p> <p><b>FAMILY DOLLAR STORE</b> 104' X 80' (8320 SQ. FT.)</p> <p>LINTON, ND</p>
--

<p>2 6-5-13 REV. BOUNDARY DIMS.</p> <p>1 6-3-13 REV. BLDG. AND PYLON SIGNS</p> <p><b>DELTA T DEVELOPMENT L.L.C.</b> Engineers-Contractors-Developers 2425 Lumbley Rd. Rainbow City, Al. 35906 TEL. (256) 413-0433 FAX: (256) 442-0161</p>
---



52-0020-00888-000

52-0008-00580-010



50'

113'

27-0000-03581-000

1,010'

1,702'

27-0000-03581-000

25

24

9.43 Acres

16

984'

1.14 Acres

56'

52-0020-00890-000

30'

52-0001-00004-000

H

city

SCHOOL HOUSE SITE

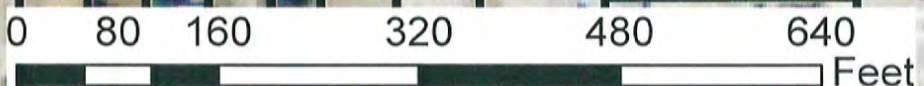
15

355'

52-0006-00549-000

8

79'





**BUILDING COMPUTATION**

Section 1 Gen. Store Section 2 \_\_\_\_\_ Section 3 \_\_\_\_\_  
 Building survey Rel. add of Date Jan. 22, 1981 / 5/2/82  
 Age 1915-62-78 Condition F  
C&D No. of Stories 1 Building Height 10

COST RANGE RATING NUMBERS					
Low	No. 1	Avg. 432	No. Above Avg.	No. 3	High

**FLOOR AREA COSTS**

13 X 8 = 104 X 5090  
 Structure 301 X 5090 = 150  
 Instruction \_\_\_\_\_  
 Heating, Ventilation 50 + 249  
 Total floor area unit costs move to line 22

UNIT COSTS					
No.	Section I	No.	Section II	No.	Section III
2	52	2	8		8
	85		96		96
	150		153		150
	69		69		69
	73		73		73
	166		166		—
	119		119		24
	299		299		299
	260		260		260
	1273		1243		982

**WALL COSTS**

Walls \_\_\_\_\_ Move to line 23  
 Ventilation \_\_\_\_\_ Move to line 24  
 Walls \_\_\_\_\_ Move to line 25

	616		772		772
	615				

**ROOF COSTS**

Structure \_\_\_\_\_  
 Total roof unit costs move to line 26

	286		286		286
	63		76		76
	349		362		362

**FINAL CALCULATIONS**

from line	SECTION I		SECTION II		SECTION III	
	Unit Cost X	Area = TOTAL COST	Unit Cost X	Area = TOTAL COST	Unit Cost X	Area = TOTAL COST
14	1273 X	2100 = 26733	1243 X	2888 = 35897	982 X	3500 = 34370
15	616 X	2000 = 12320	772 X	2000 = 15440	772 X	1700 = 13124
16	X	=	X	=	X	=
17	615 X	1025 = 6303	X	=	X	=
21	349 X	2100 = 7329	362 X	2888 = 10454	362 X	3500 = 12670
TOTAL		57,685		61,791		60,164

ALL COLUMNS (line 27) 114476  
 Fees \_\_\_\_\_  
 Cost Multiplier \_\_\_\_\_  
 Multiplier 99  
 Line 28 \_\_\_\_\_  
 MS (Line 39) (see sketch page) \_\_\_\_\_  
 Unit Cost \_\_\_\_\_  
50 5  
20  
 Cost Approach \_\_\_\_\_

**PHOTO**



**REMARKS**

Q. FT. = 965  
1981 add  
48,141  
39,608  
87,749

BUILDING COMPUTATION

1. Occupancy: Section 1 Garage Section 2 Store Section 3 Section 3  
 Person making survey David Date Jan 22, 1981  
 Quality add Age 1915-62-78 Condition F  
 2. Class C&D No. of Stories 1 Building Height 10

COST RANGE RATING NUMBERS			
Low	No. Avg.	No. Above Avg.	No. High
1	43	3	4

UNIT COSTS			
No.	Section I	Section II	Section III
2	52	2	8
	85	96	96
	150	153	150
	69	69	69
	73	73	73
	166	166	166
	119	119	119
	299	299	299
	260	260	260
	1273	1243	982

3. Excavation 13 X 8 = 104x 500  
 4. Foundation  
 5. Frame  
 6. Floor Structure 301 X 50% = 150  
 7. Floor Cover  
 8. Ceiling  
 9. Interior Construction  
 10. Plumbing  
 11. Sprinklers  
 12. Heat, Cooling, Ventilation 50 + 249  
 13. Electrical  
 14. Total floor area unit costs move to line 22

15. Exterior Walls  
 16. Wall Ornamentation  
 17. Basement Walls  
 Move to line 23  
 Move to line 24  
 Move to line 25

18. Roof Structure  
 19. Roof Cover  
 20. Trusses  
 21. Total roof unit costs move to line 26

WALL COSTS	UNIT COSTS
616	772
615	

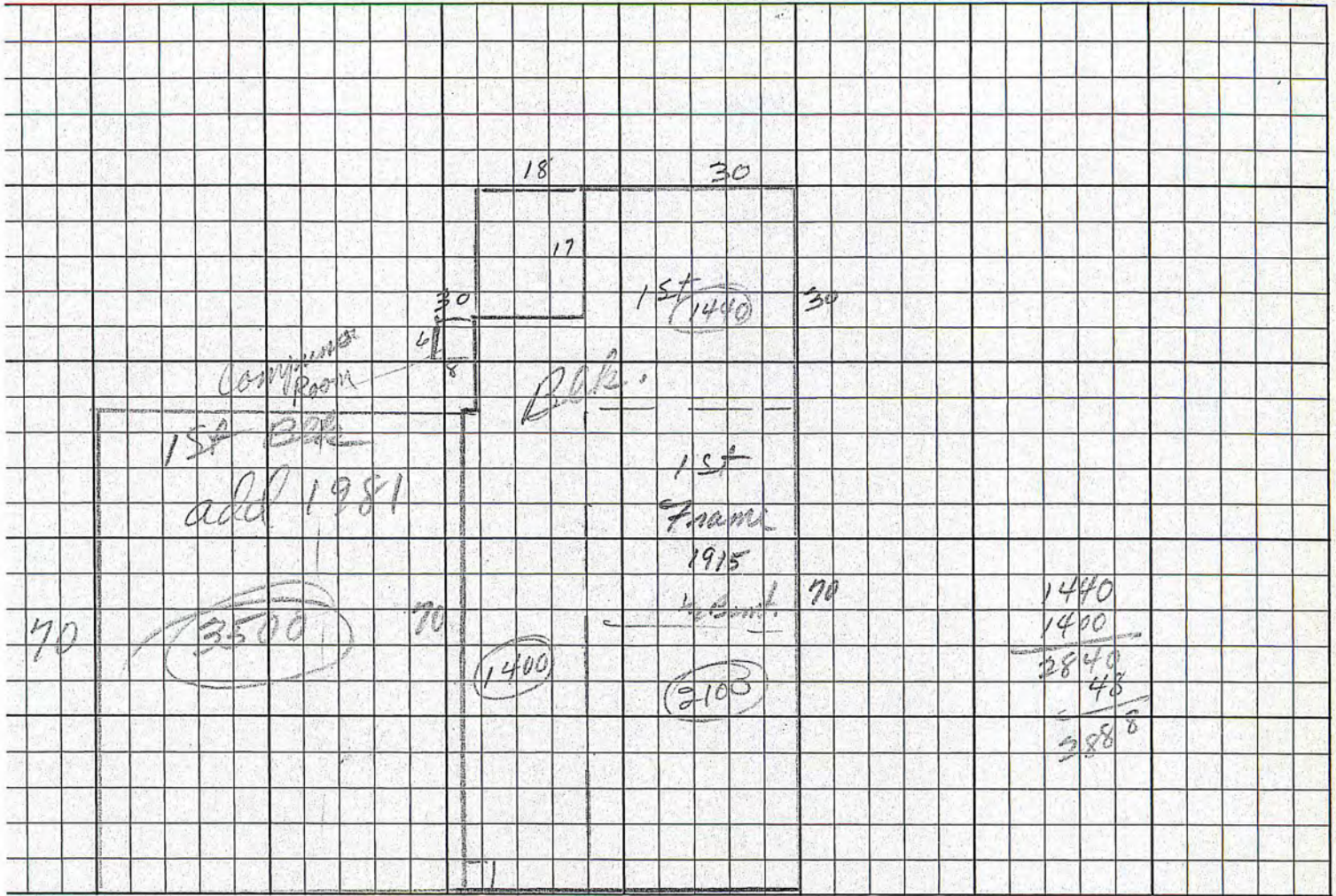
ROOF COSTS	UNIT COSTS
286	286
63	76
349	362

FINAL CALCULATIONS

From line	SECTION I		SECTION II		SECTION III	
	Unit Cost X	Area = TOTAL COST	Unit Cost X	Area = TOTAL COST	Unit Cost X	Area = TOTAL COST
14	1273 X 2100	= 26733	1243 X 2888	= 35897	982 X 3500	= 34370
15	616 X 2000	= 12320	772 X 2000	= 15440	772 X 1700	= 13124
16	X	=	X	=	X	=
17	615 X 1025	= 6303	X	=	X	=
21	349 X 2100	= 7329	362 X 2888	= 10454	362 X 3500	= 12670
		52,685		61,791		60,164
	114476					

22. Floor Area Costs .....  
 23. Exterior Walls .....  
 24. Wall Ornamentation .....  
 25. Basement Walls .....  
 26. Roof .....  
 27. Column Total .....  
 28. TOTAL OF ALL COLUMNS (line 27) .....  
 29. Architect's Fees .....  
 30. Current Cost Multiplier .....  
 31. Local Multiplier .....  
 32. Final Multiplier .....  
 33. Line 32 X Line 28 .....

PHOTO



50

50

1 SQUARE = FEET

IM

Slab 1500<sup>sq</sup> @ 95.

1425.

Coolers 28<sup>sq</sup> @ 2000

5600

1 8x8

5x8

12x8

10x8

Total Lump Sum Costs Move to Line 34

\$ 7024

CORRELATION OF VALUE			
Method	Land	Building	Total
COST APPROACH			
INCOME APPROACH			
MARKET APPROACH			
CORRELATED M.V.			

RE-B-1 (Sept. 1 52-2-90

ADDITION

LOT

ADDRESS

BLOCK

DESC. NO.

LINTON INDUSTRIAL DEVELOPMENT  
PO BOX 433  
LINTON ND 58552-0433

LOT 6 BLOCK 1 SCHMALTZ ADDITION

*2 1/2*  
*Wagner*  
*Suppl Value inc include*  
*Rm Schmalz*  
*Tony East*

HERBERT WALTHER

L 6  
B 1

SCHMALTZ ADD.  
LINTON CITY  
Linton Fire #36

ASSESSMENT SUMMARY

M.V.	Year	Land	Business Bldg.	Total
53,601	1981	546	4814	5360
93,209	1982	546	8774	9320
93,209	1984	5460	87749	93209
	1985	5460	87749	93209
	1986	5460	87750	93210
	1987	5460	87740	93200
	1988	5460	83400	88860
	1990	5460	88854	88814
	1991	5460	105000	110460
	2005	5460	56000	55460

CONSIDERATION

DATE

OWNERSHIP

REMARKS

+

		5460	4814	93209
			4814	53601
				89688
				93209

BUILDING PERMIT RECORD

PURPOSE

\$ AMOUNT

PERMIT NO.

DATE

FRONT

REAR

DATE FIGURED

AVERAGE DEPTH

SQ. FT. OR F.F. PRICE

DEPTH FACTOR OR LOT AREA

ADJ. F.F. PRICE

SUBTOTAL

COR. INF.

ADJUSTMENT

TOTAL

57

68

140

140

60

60

Tri 50%

30

3420

2040

5460

EXPLANATION FOR LAND ADJUSTMENT



**APPENDIX F**  
**LABORATORY REPORTS**

**No laboratory testing was performed for this ESA report.**

**APPENDIX G**

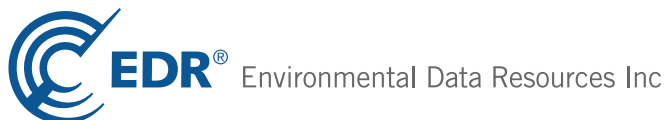
**REGULATORY AGENCY DATABASE REPORT**

**Family Dollar**

U.S. Highway 83  
Linton, ND 58552

Inquiry Number: 3675977.2s  
July 25, 2013

# The EDR Radius Map™ Report with GeoCheck®



440 Wheelers Farms Road  
Milford, CT 06461  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

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

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## EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

### TARGET PROPERTY INFORMATION

#### ADDRESS

U.S. HIGHWAY 83  
LINTON, ND 58552

#### COORDINATES

Latitude (North): 46.2690000 - 46° 16' 8.40"  
Longitude (West): 100.2380000 - 100° 14' 16.80"  
Universal Transverse Mercator: Zone 14  
UTM X (Meters): 404601.8  
UTM Y (Meters): 5124462.5  
Elevation: 1721 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 46100-C2 LINTON, ND  
Most Recent Revision: 1980  
  
West Map: 46100-C3 TEMVIK, ND  
Most Recent Revision: 1971

### AERIAL PHOTOGRAPHY IN THIS REPORT

Photo Year: 2012  
Source: USDA

### TARGET PROPERTY SEARCH RESULTS

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

### DATABASES WITH NO MAPPED SITES

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

### STANDARD ENVIRONMENTAL RECORDS

#### *Federal NPL site list*

NPL..... National Priority List

## EXECUTIVE SUMMARY

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

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

Delisted NPL..... National Priority List Deletions

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

CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System  
FEDERAL FACILITY..... Federal Facility Site Information listing

### ***Federal CERCLIS NFRAP site List***

CERC-NFRAP..... CERCLIS No Further Remedial Action Planned

### ***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

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

US ENG CONTROLS..... Engineering Controls Sites List  
US INST CONTROL..... Sites with Institutional Controls  
LUCIS..... Land Use Control Information System

### ***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***

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

## EXECUTIVE SUMMARY

FEMA UST..... Underground Storage Tank Listing

### **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

### **ADDITIONAL ENVIRONMENTAL RECORDS**

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

ODI..... Open Dump Inventory  
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations  
SWRCY..... Recycling Centers  
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

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

US CDL..... Clandestine Drug Labs  
CDL..... Clandestine Drug Lab Location Listing  
US HIST CDL..... National Clandestine Laboratory Register

#### **Local Land Records**

LIENS 2..... CERCLA Lien Information

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

HMIRS..... Hazardous Materials Information Reporting System  
SPILLS..... State Spills

#### **Other Ascertainable Records**

RCRA NonGen / NLR..... RCRA - Non Generators  
DOT OPS..... Incident and Accident Data  
DOD..... Department of Defense Sites  
FUDS..... Formerly Used Defense Sites  
CONSENT..... Superfund (CERCLA) Consent Decrees  
ROD..... Records Of Decision  
UMTRA..... Uranium Mill Tailings Sites  
US MINES..... Mines Master Index File  
TRIS..... Toxic Chemical Release Inventory System  
TSCA..... Toxic Substances Control Act  
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)  
HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing  
SSTS..... Section 7 Tracking Systems  
ICIS..... Integrated Compliance Information System  
PADS..... PCB Activity Database System  
MLTS..... Material Licensing Tracking System  
RADINFO..... Radiation Information Database

## EXECUTIVE SUMMARY

FINDS.....	Facility Index System/Facility Registry System
RAATS.....	RCRA Administrative Action Tracking System
RMP.....	Risk Management Plans
UIC.....	Underground Injection Wells
DRYCLEANERS.....	Drycleaner Facility Listing
NPDES.....	Wastewater Facility Listing
AIRS.....	Permitted Airs Facility Listing
TIER 2.....	Tier 2 Information Listing
INDIAN RESERV.....	Indian Reservations
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
COAL ASH DOE.....	Steam-Electric Plant Operation Data
PCB TRANSFORMER.....	PCB Transformer Registration Database
US FIN ASSUR.....	Financial Assurance Information
EPA WATCH LIST.....	EPA WATCH LIST
2020 COR ACTION.....	2020 Corrective Action Program List
PRP.....	Potentially Responsible Parties
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem
LEAD SMELTERS.....	Lead Smelter Sites
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List

### EDR HIGH RISK HISTORICAL RECORDS

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

EDR MGP.....	EDR Proprietary Manufactured Gas Plants
EDR US Hist Cleaners.....	EDR Exclusive Historic Dry Cleaners

### 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

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

RCRA-CESQG: 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.

A review of the RCRA-CESQG list, as provided by EDR, and dated 02/12/2013 has revealed that there is

## EXECUTIVE SUMMARY

1 RCRA-CESQG site within approximately 0.375 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>HEDAHL'S INC - LINTON</b>	<b>209 NORTH BROADWAY</b>	<b>ESE 1/8 - 1/4 (0.250 mi.)</b>	<b>A4</b>	<b>8</b>

### **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 06/04/2013 has revealed that there are 4 LUST sites within approximately 0.625 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>LINTON SCHOOL BUS GARAGE</b> Facility Status: Site Cleanup Completed	<b>101 NE 3RD ST.</b>	<b>E 1/4 - 1/2 (0.460 mi.)</b>	<b>18</b>	<b>16</b>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>KEM ELECTRIC COOPERATIVE INC</b> Facility Status: Site Cleanup Completed	<b>107 S BROADWAY</b>	<b>ESE 1/4 - 1/2 (0.258 mi.)</b>	<b>A7</b>	<b>10</b>
<b>BOSCH STANDARD</b> Facility Status: Site Cleanup Completed	<b>124 S BROADWAY</b>	<b>ESE 1/4 - 1/2 (0.263 mi.)</b>	<b>A11</b>	<b>13</b>
<b>MARTIN OIL COMPANY</b> Facility Status: Site Cleanup Completed	<b>214 SOUTH BROADWAY</b>	<b>ESE 1/4 - 1/2 (0.288 mi.)</b>	<b>B12</b>	<b>14</b>

### **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 06/04/2013 has revealed that there are 5 UST sites within approximately 0.375 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>KEM ELECTRIC COOPERATIVE INC</b>	<b>107 S BROADWAY</b>	<b>ESE 1/4 - 1/2 (0.258 mi.)</b>	<b>A7</b>	<b>10</b>
<b>BOSCH STANDARD</b>	<b>124 S BROADWAY</b>	<b>ESE 1/4 - 1/2 (0.263 mi.)</b>	<b>A11</b>	<b>13</b>
<b>MARTIN OIL COMPANY</b>	<b>214 SOUTH BROADWAY</b>	<b>ESE 1/4 - 1/2 (0.288 mi.)</b>	<b>B12</b>	<b>14</b>
BOSCH OIL COMPANY	311 S ST PAUL	SSW 1/4 - 1/2 (0.290 mi.)	14	15
GAS PLUS	250 SAINT PAUL AVE SOUT	SSE 1/4 - 1/2 (0.349 mi.)	C15	15

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

A review of the AST list, as provided by EDR, and dated 04/29/2013 has revealed that there are 2 AST

## EXECUTIVE SUMMARY

sites within approximately 0.375 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MARTIN OIL COMPANY	214 SOUTH BROADWAY	ESE 1/4 - 1/2 (0.288 mi.)	B13	14
GAS PLUS	250 SOUTH ST. PAUL AVE	SSE 1/4 - 1/2 (0.350 mi.)	C16	15

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

BROWNFIELDS: 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.

A review of the BROWNFIELDS list, as provided by EDR, and dated 02/25/2013 has revealed that there is 1 BROWNFIELDS site within approximately 0.625 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
OLD STONE APARTMENT BUILDING	120 HICKORY AVE. W	ESE 1/4 - 1/2 (0.263 mi.)	B10	13

### **ADDITIONAL ENVIRONMENTAL RECORDS**

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

US BROWNFIELDS: The EPA's listing of Brownfields properties from the Cleanups in My Community program, which provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

A review of the US BROWNFIELDS list, as provided by EDR, and dated 12/10/2012 has revealed that there is 1 US BROWNFIELDS site within approximately 0.625 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b><i>OLD STONE APARTMENT BUILDING</i></b>	<b><i>120 HICKORY AVENUE WEST</i></b>	<b><i>ESE 1/4 - 1/2 (0.263 mi.)</i></b>	<b><i>B9</i></b>	<b><i>11</i></b>

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

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

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

A review of the EDR US Hist Auto Stat list, as provided by EDR, has revealed that there are 7 EDR US

## EXECUTIVE SUMMARY

Hist Auto Stat sites within approximately 0.375 miles of the target property.

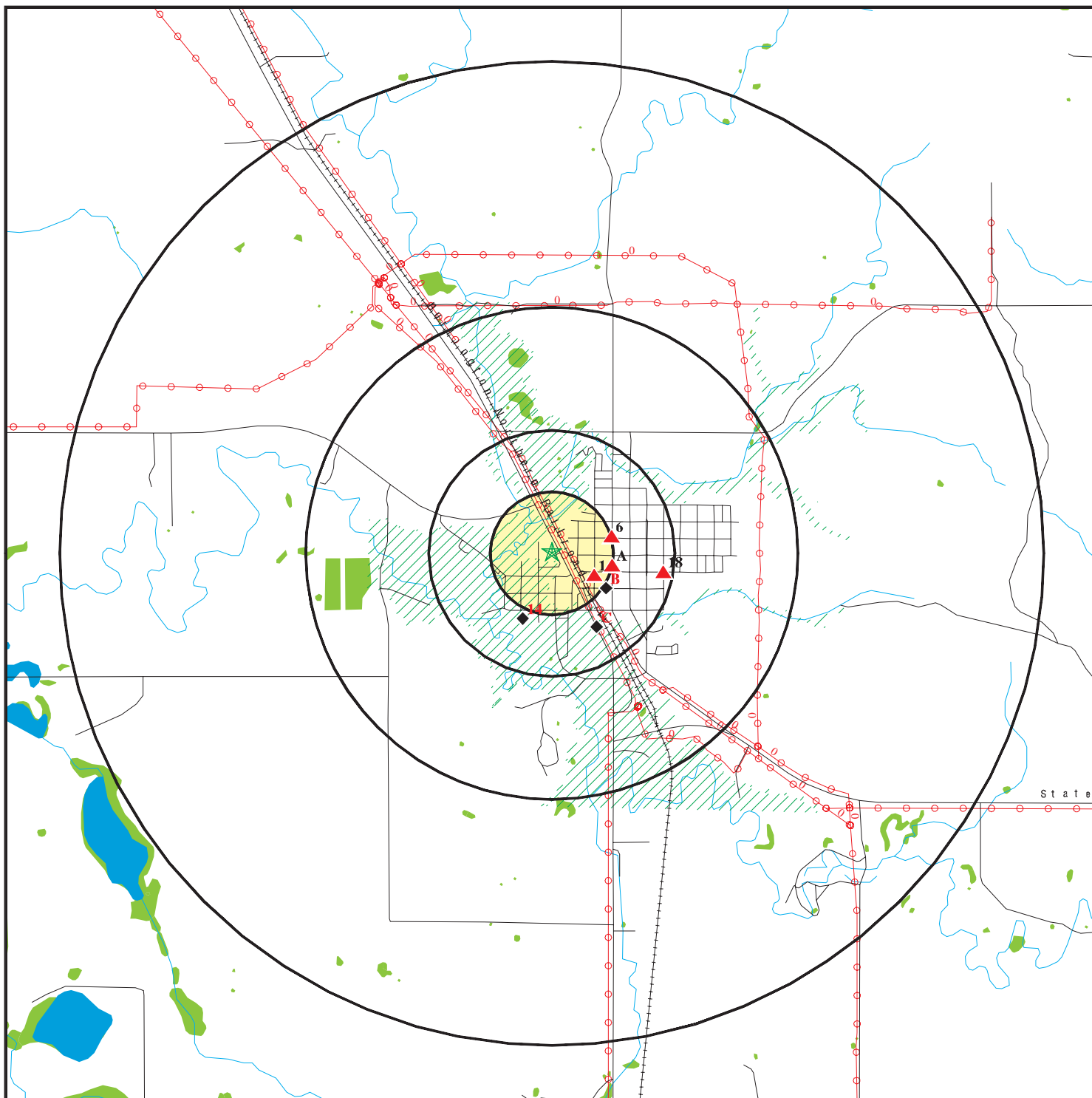
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	233 SE 1ST ST	ESE 1/8 - 1/4 (0.194 mi.)	1	7
Not reported	221 N BROADWAY ST	ESE 1/8 - 1/4 (0.249 mi.)	A2	7
Not reported	215 N BROADWAY ST	ESE 1/8 - 1/4 (0.250 mi.)	A3	7
Not reported	220 N BROADWAY ST	E 1/4 - 1/2 (0.251 mi.)	A5	9
Not reported	621 N BROADWAY ST	ENE 1/4 - 1/2 (0.253 mi.)	6	10
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	118 S BROADWAY ST	ESE 1/4 - 1/2 (0.262 mi.)	A8	11
Not reported	250 S SAINT PAUL AVE	SSE 1/4 - 1/2 (0.350 mi.)	C17	15

## EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 21 records.

<u>Site Name</u>	<u>Database(s)</u>
SOUTH CENTRAL WTP-EMMONS CO LINTON LIVESTOCK	NPDES CERC-NFRAP, RCRA NonGen / NLR, FINDS
EMMONS COUNTY SCHUMACHER INC	UST UST
NORTH DAKOTA STATE DEPT OF TRANSP MARTIN OIL COMPANY	UST AST
BEK COMMUNICATIONS COOP PROJECT SAFE SEND	AST RCRA NonGen / NLR, FINDS CDL
JACK & JILL DOCKTERS NDDOT LINTON	ICIS TIER 2
CITY OF LINTON WELL HOUSE #3 SCHMALTS MEATS	TIER 2 HIST FTTS
SCHMALTS MEATS GAS PLUS LINTON	FTTS TIER 2
MARTIN OIL COMPANY - BULK PLANT KEM ELECTRIC COOPERATIVE INC	TIER 2 FTTS
CITY OF LINTON WELL HOUSE #1 BEK COMMUNICATIONS - LINTON	TIER 2 TIER 2
ALLIANCE AG COOP. LINTON XTO-JORGENSON 41X-06	TIER 2 TIER 2

# OVERVIEW MAP - 3675977.2s



★ Target Property

▲ Sites at elevations higher than or equal to the target property

◆ Sites at elevations lower than the target property

▲ Manufactured Gas Plants

■ National Priority List Sites

■ Dept. Defense Sites

■ Indian Reservations BIA

— Power transmission lines

— Oil & Gas pipelines from USGS

■ 100-year flood zone

■ 500-year flood zone

■ National Wetland Inventory

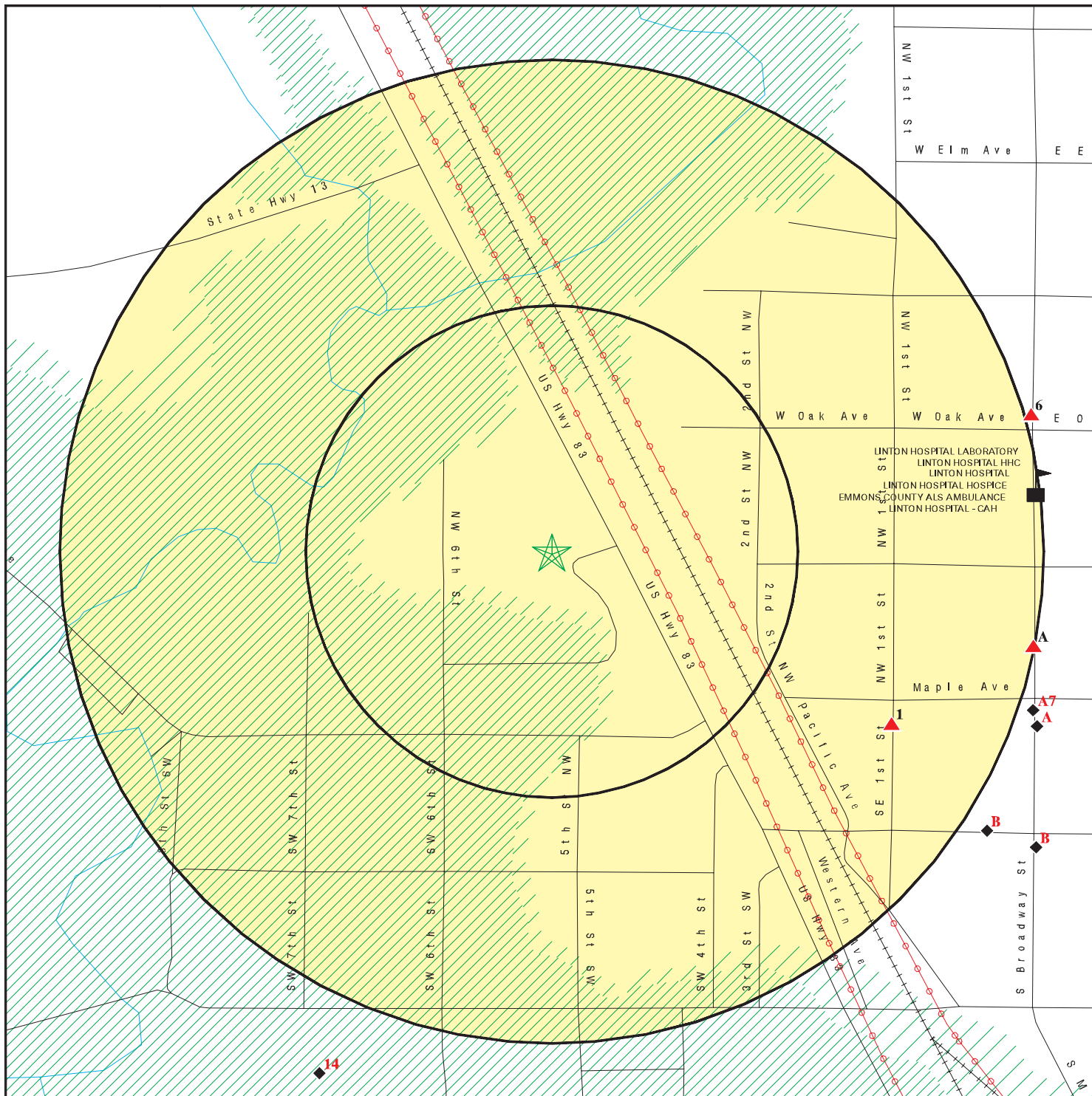
0 1/2 1 2 Miles

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: Family Dollar  
 ADDRESS: U.S. Highway 83  
 Linton ND 58552  
 LAT/LONG: 46.269 / 100.238

CLIENT: Blacktrail Environmental, Inc.  
 CONTACT: John Spilman  
 INQUIRY #: 3675977.2s  
 DATE: July 25, 2013 10:49 am

# DETAIL MAP - 3675977.2s



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone

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

<p><b>SITE NAME:</b> Family Dollar  <b>ADDRESS:</b> U.S. Highway 83                  Linton ND 58552  <b>LAT/LONG:</b> 46.269 / 100.238</p>	<p><b>CLIENT:</b> Blacktrail Environmental, Inc.  <b>CONTACT:</b> John Spilman  <b>INQUIRY #:</b> 3675977.2s  <b>DATE:</b> July 25, 2013 10:50 am</p>
---	---

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b>STANDARD ENVIRONMENTAL RECORDS</b>								
<b><i>Federal NPL site list</i></b>								
NPL	1.125		0	0	0	0	0	0
Proposed NPL	1.125		0	0	0	0	0	0
NPL LIENS	0.125		0	NR	NR	NR	NR	0
<b><i>Federal Delisted NPL site list</i></b>								
Delisted NPL	1.125		0	0	0	0	0	0
<b><i>Federal CERCLIS list</i></b>								
CERCLIS	0.625		0	0	0	0	NR	0
FEDERAL FACILITY	0.625		0	0	0	0	NR	0
<b><i>Federal CERCLIS NFRAP site List</i></b>								
CERC-NFRAP	0.625		0	0	0	0	NR	0
<b><i>Federal RCRA CORRACTS facilities list</i></b>								
CORRACTS	1.125		0	0	0	0	0	0
<b><i>Federal RCRA non-CORRACTS TSD facilities list</i></b>								
RCRA-TSDF	0.625		0	0	0	0	NR	0
<b><i>Federal RCRA generators list</i></b>								
RCRA-LQG	0.375		0	0	0	NR	NR	0
RCRA-SQG	0.375		0	0	0	NR	NR	0
RCRA-CESQG	0.375		0	1	0	NR	NR	1
<b><i>Federal institutional controls / engineering controls registries</i></b>								
US ENG CONTROLS	0.625		0	0	0	0	NR	0
US INST CONTROL	0.625		0	0	0	0	NR	0
LUCIS	0.625		0	0	0	0	NR	0
<b><i>Federal ERNS list</i></b>								
ERNS	0.125		0	NR	NR	NR	NR	0
<b><i>State- and tribal - equivalent CERCLIS</i></b>								
SHWS	N/A		N/A	N/A	N/A	N/A	N/A	N/A
<b><i>State and tribal landfill and/or solid waste disposal site lists</i></b>								
SWF/LF	0.625		0	0	0	0	NR	0
<b><i>State and tribal leaking storage tank lists</i></b>								
LUST	0.625		0	0	4	0	NR	4
INDIAN LUST	0.625		0	0	0	0	NR	0
<b><i>State and tribal registered storage tank lists</i></b>								
UST	0.375		0	0	5	NR	NR	5

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
AST	0.375		0	0	2	NR	NR	2
INDIAN UST	0.375		0	0	0	NR	NR	0
FEMA UST	0.375		0	0	0	NR	NR	0
<b>State and tribal institutional control / engineering control registries</b>								
AUL	0.625		0	0	0	0	NR	0
<b>State and tribal voluntary cleanup sites</b>								
INDIAN VCP	0.625		0	0	0	0	NR	0
<b>State and tribal Brownfields sites</b>								
BROWNFIELDS	0.625		0	0	1	0	NR	1
<b>ADDITIONAL ENVIRONMENTAL RECORDS</b>								
<b>Local Brownfield lists</b>								
US BROWNFIELDS	0.625		0	0	1	0	NR	1
<b>Local Lists of Landfill / Solid Waste Disposal Sites</b>								
ODI	0.625		0	0	0	0	NR	0
DEBRIS REGION 9	0.625		0	0	0	0	NR	0
SWRCY	0.625		0	0	0	0	NR	0
INDIAN ODI	0.625		0	0	0	0	NR	0
<b>Local Lists of Hazardous waste / Contaminated Sites</b>								
US CDL	0.125		0	NR	NR	NR	NR	0
CDL	0.125		0	NR	NR	NR	NR	0
US HIST CDL	0.125		0	NR	NR	NR	NR	0
<b>Local Land Records</b>								
LIENS 2	0.125		0	NR	NR	NR	NR	0
<b>Records of Emergency Release Reports</b>								
HMIRS	0.125		0	NR	NR	NR	NR	0
SPILLS	0.125		0	NR	NR	NR	NR	0
<b>Other Ascertainable Records</b>								
RCRA NonGen / NLR	0.375		0	0	0	NR	NR	0
DOT OPS	0.125		0	NR	NR	NR	NR	0
DOD	1.125		0	0	0	0	0	0
FUDS	1.125		0	0	0	0	0	0
CONSENT	1.125		0	0	0	0	0	0
ROD	1.125		0	0	0	0	0	0
UMTRA	0.625		0	0	0	0	NR	0
US MINES	0.375		0	0	0	NR	NR	0
TRIS	0.125		0	NR	NR	NR	NR	0
TSCA	0.125		0	NR	NR	NR	NR	0

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FTTS	0.125		0	NR	NR	NR	NR	0
HIST FTTS	0.125		0	NR	NR	NR	NR	0
SSTS	0.125		0	NR	NR	NR	NR	0
ICIS	0.125		0	NR	NR	NR	NR	0
PADS	0.125		0	NR	NR	NR	NR	0
MLTS	0.125		0	NR	NR	NR	NR	0
RADINFO	0.125		0	NR	NR	NR	NR	0
FINDS	0.125		0	NR	NR	NR	NR	0
RAATS	0.125		0	NR	NR	NR	NR	0
RMP	0.125		0	NR	NR	NR	NR	0
UIC	0.125		0	NR	NR	NR	NR	0
DRYCLEANERS	0.375		0	0	0	NR	NR	0
NPDES	0.125		0	NR	NR	NR	NR	0
AIRS	0.125		0	NR	NR	NR	NR	0
TIER 2	0.125		0	NR	NR	NR	NR	0
INDIAN RESERV	1.125		0	0	0	0	0	0
SCRD DRYCLEANERS	0.625		0	0	0	0	NR	0
COAL ASH DOE	0.125		0	NR	NR	NR	NR	0
PCB TRANSFORMER	0.125		0	NR	NR	NR	NR	0
US FIN ASSUR	0.125		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.125		0	NR	NR	NR	NR	0
2020 COR ACTION	0.375		0	0	0	NR	NR	0
PRP	0.125		0	NR	NR	NR	NR	0
US AIRS	0.125		0	NR	NR	NR	NR	0
LEAD SMELTERS	0.125		0	NR	NR	NR	NR	0
COAL ASH EPA	0.625		0	0	0	0	NR	0

### EDR HIGH RISK HISTORICAL RECORDS

#### *EDR Exclusive Records*

EDR MGP	1.125		0	0	0	0	0	0
EDR US Hist Auto Stat	0.375		0	3	4	NR	NR	7
EDR US Hist Cleaners	0.375		0	0	0	NR	NR	0

#### NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

1  
ESE  
1/8-1/4  
0.194 mi.  
1022 ft.

233 SE 1ST ST  
LINTON, ND 58552

EDR US Hist Auto Stat 1015348216  
N/A

Relative:  
Higher  
Actual:  
1723 ft.

EDR Historical Auto Stations:  
Name: WENDYS AUTO BODY & GLASS  
Year: 1999  
Address: 233 SE 1ST ST  
  
Name: WENDYS AUTO BODY & GLASS  
Year: 2000  
Address: 233 SE 1ST ST

A2  
ESE  
1/8-1/4  
0.249 mi.  
1317 ft.

221 N BROADWAY ST  
LINTON, ND 58552

EDR US Hist Auto Stat 1015335002  
N/A

Site 1 of 7 in cluster A

Relative:  
Higher  
Actual:  
1721 ft.

EDR Historical Auto Stations:  
Name: KEITHS SERVICE & REPAIR  
Year: 2003  
Address: 221 N BROADWAY ST  
  
Name: KEITHS SERVICE & REPAIR  
Year: 2004  
Address: 221 N BROADWAY ST  
  
Name: KEITHS SERVICE & REPAIR  
Year: 2005  
Address: 221 N BROADWAY ST  
  
Name: KEITHS SERVICE & REPAIR  
Year: 2007  
Address: 221 N BROADWAY ST  
  
Name: KEITHS SERVICE & REPAIR  
Year: 2008  
Address: 221 N BROADWAY ST  
  
Name: KEITHS SERVICE & REPAIR  
Year: 2009  
Address: 221 N BROADWAY ST

A3  
ESE  
1/8-1/4  
0.250 mi.  
1318 ft.

215 N BROADWAY ST  
LINTON, ND 58552

EDR US Hist Auto Stat 1015327426  
N/A

Site 2 of 7 in cluster A

Relative:  
Higher  
Actual:  
1721 ft.

EDR Historical Auto Stations:  
Name: JOHNS AUTO BODY & GLASS INC  
Year: 2009  
Address: 215 N BROADWAY ST

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

A4  
ESE  
1/8-1/4  
0.250 mi.  
1319 ft.

HEDAHLS INC - LINTON  
209 NORTH BROADWAY  
LINTON, ND 58552

RCRA-CESQG 1004747577  
FINDS NDD986266492

Site 3 of 7 in cluster A

Relative:  
Higher

RCRA-CESQG:

Date form received by agency: 07/25/1990

Facility name: HEDAHLS INC - LINTON

Facility address: 209 NORTH BROADWAY

LINTON, ND 58552

EPA ID: NDD986266492

Mailing address: PO BOX 97

LINTON, ND 58552

Contact: GENE HUGHES

Contact address: PO BOX 97

LINTON, ND 58552

Contact country: US

Contact telephone: (701) 254-4644

Contact email: Not reported

EPA Region: 08

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: CORPORATION

Owner/operator address: DATA NOT REQUESTED

DATA NOT REQUESTED, ND 99999

Owner/operator country: Not reported

Owner/operator telephone: (999) 999-9999

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: Not reported

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Mixed waste (haz. and radioactive): No

Recycler of hazardous waste: No

Transporter of hazardous waste: No

Treater, storer or disposer of HW: No

Underground injection activity: No

On-site burner exemption: No

Furnace exemption: No

Used oil fuel burner: No

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**HEDAHLS INC - LINTON (Continued)**

**1004747577**

Used oil processor: No  
 User oil refiner: No  
 Used oil fuel marketer to burner: No  
 Used oil Specification marketer: No  
 Used oil transfer facility: No  
 Used oil transporter: No

**Hazardous Waste Summary:**

Waste code: D002  
 Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Violation Status: No violations found

**FINDS:**

Registry ID: 110004067009

**Environmental Interest/Information System**

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

**A5**  
**East**  
**1/4-1/2**  
**0.251 mi.**  
**1326 ft.**

**220 N BROADWAY ST**  
**LINTON, ND 58552**  
**Site 4 of 7 in cluster A**

**EDR US Hist Auto Stat 1015332762**  
**N/A**

**Relative:**  
**Higher**  
  
**Actual:**  
**1722 ft.**

**EDR Historical Auto Stations:**

Name: WAGNER BODY SHOP  
 Year: 1999  
 Address: 220 N BROADWAY ST

Name: WAGNER BODY SHOP  
 Year: 2000  
 Address: 220 N BROADWAY ST

Name: WAGNER BODY SHOP  
 Year: 2003  
 Address: 220 N BROADWAY ST

Name: WAGNER BODY SHOP  
 Year: 2007  
 Address: 220 N BROADWAY ST

Name: WAGNER BODY SHOP  
 Year: 2008  
 Address: 220 N BROADWAY ST

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

1015332762

Name: WAGNER BODY SHOP  
Year: 2011  
Address: 220 N BROADWAY ST

Name: WAGNER BODY SHOP  
Year: 2012  
Address: 220 N BROADWAY ST

6

ENE

1/4-1/2  
0.253 mi.  
1338 ft.

621 N BROADWAY ST  
LINTON, ND 58552

EDR US Hist Auto Stat 1015580260  
N/A

Relative:  
Higher

EDR Historical Auto Stations:

Name: FISHERS SMALL ENGINE REPAIR  
Year: 2010  
Address: 621 N BROADWAY ST

Actual:  
1740 ft.

A7

ESE

1/4-1/2  
0.258 mi.  
1360 ft.

KEM ELECTRIC COOPERATIVE INC  
107 S BROADWAY  
LINTON, ND 58552

LUST U003036105  
UST N/A

Relative:  
Lower

LUST:

Facility ID: 74  
Facility Status: Site Cleanup Completed  
Facility Latitude: 46.266762  
Facility Longitude: -100.23273  
Status Date: 06/22/1989  
Event ID: 74  
Owner Name: KEM ELECTRIC COOPERATIVE INC  
Owner Address: 107 S BROADWAY  
Owner City,St,Zip: LINTON, ND 58552

Actual:  
1720 ft.

UST:

Facility ID: 74  
Facility Status: Inactive  
Facility Phone: Not reported  
Owner Name: KEM ELECTRIC COOPERATIVE INC  
Owner Address: 107 S BROADWAY  
Owner City,St,Zip: LINTON, ND 58552  
Latitude: 46.266762  
Longitude: -100.23273

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**A8** **EDR US Hist Auto Stat** **1015174160**  
**ESE** **118 S BROADWAY ST** **N/A**  
**1/4-1/2** **LINTON, ND 58552**  
**0.262 mi.**  
**1384 ft.** **Site 6 of 7 in cluster A**

**Relative:** EDR Historical Auto Stations:  
**Lower** Name: KUHN MOBIL BULK SERVICE  
Year: 1999  
**Actual:** Address: 118 S BROADWAY ST  
**1720 ft.**

**B9** **US BROWNFIELDS** **1012116447**  
**ESE** **OLD STONE APARTMENT BUILDING** **FINDS** **N/A**  
**1/4-1/2** **120 HICKORY AVENUE WEST**  
**0.263 mi.** **LINTON, ND 58552**  
**1387 ft.** **Site 1 of 4 in cluster B**

**Relative:** US BROWNFIELDS:  
**Lower** Recipient name: North Dakota Department of Health  
Grant type: Section 128(a) State/Tribal  
**Actual:** Property name: OLD STONE APARTMENT BUILDING  
**1719 ft.** Property #: Not reported  
Parcel size: 0.3  
Property Description: First used as a hospital in the early 1900s. Has also been used as an apartment building. Has been vacant for the last approximately five years. The county acquired the property due to back taxes.

Latitude: 46.266885  
Longitude: -100.233176  
HCM label: Address Matching-House Number  
Map scale: Not reported  
Point of reference: Entrance Point of a Facility or Station  
Datum: World Geodetic System of 1984  
ACRES property ID: 30241  
Start date: 18-Jan-07  
Completed date: 18-Jan-07  
Acres cleaned up: 0.3  
Cleanup funding: 3500  
Cleanup funding source: US EPA - State & Tribal Section 128(a) Funding  
Assessment funding: 585  
Assessment funding source: US EPA - State & Tribal Section 128(a) Funding  
Redevelopment funding: Not reported  
Redev. funding source: Not reported  
Redev. funding entity name: Not reported  
Redevelopment start date: Not reported  
Assessment funding entity: Not reported  
Cleanup funding entity: EPA  
Grant type: N/A  
Accomplishment type: Phase II Environmental Assessment  
Accomplishment count: 1  
Cooperative agreement #: 98899901  
Ownership entity: Government  
Current owner: Emmons County, North Dakota  
Did owner change: N  
Cleanup required: Yes  
Video available: No  
Photo available: Yes  
Institutional controls required: N  
IC Category proprietary controls: Not reported  
IC cat. info. devices: Not reported  
IC cat. gov. controls: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**OLD STONE APARTMENT BUILDING (Continued)**

**1012116447**

IC cat. enforcement permit tools: Not reported  
IC in place date: Not reported  
IC in place: Not reported  
State/tribal program date: Not reported  
State/tribal program ID: Not reported  
State/tribal NFA date: Not reported  
Air contaminated: Y  
Air cleaned: Y  
Asbestos found: Y  
Asbestos cleaned: Y  
Controlled substance found: Not reported  
Controlled substance cleaned: Not reported  
Drinking water affected: Not reported  
Drinking water cleaned: Not reported  
Groundwater affected: Not reported  
Groundwater cleaned: Not reported  
Lead contaminant found: Not reported  
Lead cleaned up: Not reported  
No media affected: Not reported  
Unknown media affected: Not reported  
Other cleaned up: Not reported  
Other metals found: Not reported  
Other metals cleaned: Not reported  
Other contaminants found: Not reported  
Other contaminants found description: Not reported  
PAHs found: Not reported  
PAHs cleaned up: Not reported  
PCBs found: Not reported  
PCBs cleaned up: Not reported  
Petro products found: Not reported  
Petro products cleaned: Not reported  
Sediments found: Not reported  
Sediments cleaned: Not reported  
Soil affected: Not reported  
Soil cleaned up: Not reported  
Surface water cleaned: Not reported  
Unknown found: Not reported  
VOCs found: Not reported  
VOCs cleaned: Not reported  
Cleanup other description: Not reported  
Num. of cleanup and re-dev. jobs: Not reported  
Past use greenspace acreage: Not reported  
Past use residential acreage: Not reported  
Past use commercial acreage: Not reported  
Past use industrial acreage: Not reported  
Future use greenspace acreage: Not reported  
Future use residential acreage: Not reported  
Future use commercial acreage: Not reported  
Future use industrial acreage: Not reported  
Greenspace acreage and type: Not reported  
Superfund Fed. landowner flag: Not reported

**FINDS:**

Registry ID: 110038749682

Environmental Interest/Information System

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**OLD STONE APARTMENT BUILDING (Continued)**

**1012116447**

US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

**B10**  
**ESE**  
**1/4-1/2**  
**0.263 mi.**  
**1387 ft.**

**OLD STONE APARTMENT BUILDING**  
**120 HICKORY AVE. W**  
**LINTON, ND 58552**

**BROWNFIELDS**

**S107601932**  
**N/A**

**Site 2 of 4 in cluster B**

**Relative:**  
**Lower**

**BROWNFIELDS:**

Latitude: 46.266885N  
 Longitude: -100.233176W

**Actual:**  
**1719 ft.**

Site Size: 1 City lot  
 Assessment Complete Date: 09/07/06  
 Cleanup Complete Date: 01/18/07  
 Nature Of Contamination: Asbestos  
 Institutional Controls Required: No

**A11**  
**ESE**  
**1/4-1/2**  
**0.263 mi.**  
**1391 ft.**

**BOSCH STANDARD**  
**124 S BROADWAY**  
**LINTON, ND 58552**

**LUST**  
**UST**

**U003036100**  
**N/A**

**Site 7 of 7 in cluster A**

**Relative:**  
**Lower**

**LUST:**

Facility ID: 1776  
 Facility Status: Site Cleanup Completed  
 Facility Latitude: 46.265711  
 Facility Longitude: -100.23334  
 Status Date: 09/27/1999  
 Event ID: 1776  
 Owner Name: BOSCH OIL COMPANY  
 Owner Address: PO BOX 685  
 Owner City,St,Zip: LINTON, ND 58552

**Actual:**  
**1720 ft.**

**UST:**

Facility ID: 1776  
 Facility Status: Inactive  
 Facility Phone: 7012544400  
 Owner Name: BOSCH OIL COMPANY  
 Owner Address: PO BOX 685  
 Owner City,St,Zip: LINTON, ND 58552  
 Latitude: 46.2657110  
 Longitude: -100.23334

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**B12**      **MARTIN OIL COMPANY**  
**ESE**      **214 SOUTH BROADWAY**  
**1/4-1/2**    **LINTON, ND 58552**  
**0.288 mi.**  
**1522 ft.**    **Site 3 of 4 in cluster B**

**LUST**    **U003036108**  
**UST**      **N/A**

**Relative:**      **LUST:**  
**Lower**          Facility ID:            677  
                  Facility Status:        Site Cleanup Completed  
**Actual:**          Facility Latitude:      48.088132  
**1719 ft.**          Facility Longitude:    -101.05581  
                  Status Date:            09/29/1998  
                  Event ID:                677-2  
                  Owner Name:            MARTIN OIL COMPANY  
                  Owner Address:        214 SOUTH BROADWAY  
                  Owner City,St,Zip:    LINTON, ND 58552

Facility ID:            677  
 Facility Status:        Site Cleanup Completed  
 Facility Latitude:      48.088132  
 Facility Longitude:    -101.05581  
 Status Date:            09/26/2012  
 Event ID:                677-1  
 Owner Name:            MARTIN OIL COMPANY  
 Owner Address:        214 SOUTH BROADWAY  
 Owner City,St,Zip:    LINTON, ND 58552

**UST:**  
 Facility ID:            677  
 Facility Status:        Active  
 Facility Phone:        7012544686  
 Owner Name:            MARTIN OIL COMPANY  
 Owner Address:        214 SOUTH BROADWAY  
 Owner City,St,Zip:    LINTON, ND 58552  
 Latitude:                48.0881329  
 Longitude:              -101.05581

**B13**      **MARTIN OIL COMPANY**  
**ESE**      **214 SOUTH BROADWAY**  
**1/4-1/2**    **LINTON, ND 58552**  
**0.288 mi.**  
**1522 ft.**    **Site 4 of 4 in cluster B**

**AST**    **A100212568**  
**N/A**

**Relative:**      **AST:**  
**Lower**          Facility Id:            338  
                  Facility Status:        Active  
**Actual:**          Total Tanks:            2  
**1719 ft.**

MAP FINDINGS

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

---

<b>14</b> <b>SSW</b> <b>1/4-1/2</b> <b>0.290 mi.</b> <b>1533 ft.</b>	<b>BOSCH OIL COMPANY</b> <b>311 S ST PAUL</b> <b>LINTON, ND 58552</b>	<b>UST</b>	<b>U003036099</b> <b>N/A</b>
--	---	------------	---------------------------------

<b>Relative:</b> <b>Lower</b>	<b>UST:</b>	Facility ID: 1775 Facility Status: Inactive Facility Phone: Not reported Owner Name: BOSCH OIL COMPANY Owner Address: PO BOX 685 Owner City,St,Zip: LINTON, ND 58552 Latitude: 46.2635739 Longitude: -100.23318
<b>Actual:</b> <b>1702 ft.</b>		

<b>C15</b> <b>SSE</b> <b>1/4-1/2</b> <b>0.349 mi.</b> <b>1845 ft.</b>	<b>GAS PLUS</b> <b>250 SAINT PAUL AVE SOUTH</b> <b>LINTON, ND 58552</b>  <b>Site 1 of 3 in cluster C</b>	<b>UST</b>	<b>U003036103</b> <b>N/A</b>
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<b>Relative:</b> <b>Lower</b>	<b>UST:</b>	Facility ID: 3476 Facility Status: Active Facility Phone: 7012520890 Owner Name: D & J ENTERPRISES Owner Address: 301 2ND AVE NW Owner City,St,Zip: JAMESTOWN, ND 58401-0510 Latitude: 46.2626309 Longitude: -100.23310
<b>Actual:</b> <b>1714 ft.</b>		

<b>C16</b> <b>SSE</b> <b>1/4-1/2</b> <b>0.350 mi.</b> <b>1850 ft.</b>	<b>GAS PLUS</b> <b>250 SOUTH ST. PAUL AVE</b> <b>LINTON, ND 58552</b>  <b>Site 2 of 3 in cluster C</b>	<b>AST</b>	<b>A100307583</b> <b>N/A</b>
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<b>Relative:</b> <b>Lower</b>	<b>AST:</b>	Facility Id: 1278 Facility Status: Active Total Tanks: 3
<b>Actual:</b> <b>1714 ft.</b>		

<b>C17</b> <b>SSE</b> <b>1/4-1/2</b> <b>0.350 mi.</b> <b>1850 ft.</b>	<b>250 S SAINT PAUL AVE</b> <b>LINTON, ND 58552</b>  <b>Site 3 of 3 in cluster C</b>	<b>EDR US Hist Auto Stat</b>	<b>1015362819</b> <b>N/A</b>
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<b>Relative:</b> <b>Lower</b>	<b>EDR Historical Auto Stations:</b>	Name: GAS PLUS Year: 2000 Address: 250 S SAINT PAUL AVE
<b>Actual:</b> <b>1714 ft.</b>		
		Name: GAS PLUS Year: 2001 Address: 250 S SAINT PAUL AVE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

1015362819

Name: GAS PLUS  
Year: 2005  
Address: 250 S SAINT PAUL AVE

Name: GAS PLUS  
Year: 2006  
Address: 250 S SAINT PAUL AVE

18  
East  
1/4-1/2  
0.460 mi.  
2428 ft.

**LINTON SCHOOL BUS GARAGE**  
**101 NE 3RD ST.**  
**LINTON, ND 58552**

**LUST U003036106**  
**UST N/A**

**Relative:**  
**Higher**

**LUST:**  
Facility ID: 1024  
Facility Status: Site Cleanup Completed  
Facility Latitude: 46.267004  
Facility Longitude: -100.22837  
Status Date: 06/20/1991  
Event ID: 1024  
Owner Name: LINTON PUBLIC SCHOOL  
Owner Address: 101 NE 3RD STREET  
Owner City,St,Zip: LINTON, ND 58552

**Actual:**  
**1757 ft.**

**UST:**  
Facility ID: 1024  
Facility Status: Inactive  
Facility Phone: Not reported  
Owner Name: LINTON PUBLIC SCHOOL  
Owner Address: 101 NE 3RD STREET  
Owner City,St,Zip: LINTON, ND 58552  
Latitude: 46.267004  
Longitude: -100.22837

Facility ID: 1025  
Facility Status: Inactive  
Facility Phone: Not reported  
Owner Name: LINTON PUBLIC SCHOOL  
Owner Address: 101 NE 3RD STREET  
Owner City,St,Zip: LINTON, ND 58552  
Latitude: 46.267004  
Longitude: -100.22837

Count: 21 records.

## ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
LINTON	S111707993	NDDOT LINTON	820 HWY 13 SE	58552	TIER 2
LINTON	S111708150	CITY OF LINTON WELL HOUSE #3	1ST ST	58552	TIER 2
LINTON	U003036101	EMMONS COUNTY	RR 2	58552	UST
LINTON	1008188918	SCHMALTS MEATS	HIGHWAY 83 N	58552	HIST FTTS
LINTON	1010009476	SCHMALTS MEATS	HIGHWAY 83 N	58552	FTTS
LINTON	U003036110	SCHUMACHER INC	HWY 83	58552	UST
LINTON	S111707086	GAS PLUS LINTON	HWY 83 S	58552	TIER 2
LINTON	S111708645	MARTIN OIL COMPANY - BULK PLANT	500 BLOCK OF SOUTH BROADWAY	58552	TIER 2
LINTON	1011559767	JACK & JILL DOCKTERS	116 S BROADWAY ST & MAPLE SW	58552	ICIS
LINTON	1011961896	KEM ELECTRIC COOPERATIVE INC	107 SOUTH BROADWAY/P.O. BOX 90	58552	FTTS
LINTON	U003036109	NORTH DAKOTA STATE DEPT OF TRANSP	DISTRICT SHOP BILIN07	58552	UST
LINTON	1001221143	PROJECT SAFE SEND	1 MI E OF LINTON ON	58552	RCRA NonGen / NLR, FINDS
LINTON	S108051119		EMMONS FAIRGROUNDS CORD		CDL
LINTON	A100366271	MARTIN OIL COMPANY	S END OF MAIN ST	58552	AST
LINTON	S111708149	CITY OF LINTON WELL HOUSE #1	MAIN ST	58552	TIER 2
LINTON	A100169623	BEK COMMUNICATIONS COOP	119 MAPLE AVE NE	58552	AST
LINTON	S111706237	BEK COMMUNICATIONS - LINTON	119 MAPLE AVE NE	58552	TIER 2
LINTON	1000416980	LINTON LIVESTOCK	5 MI S OF LINTON	58552	CERC-NFRAP, RCRA NonGen / NLR, FINDS
LINTON	S111709171	ALLIANCE AG COOP. LINTON	SCHNIEDER DR	58552	TIER 2
LINTON	S110670867	SOUTH CENTRAL WTP-EMMONS CO	132 SE SECT 3	58552	NPDES
LINTON	S111708529	XTO-JORGENSON 41X-06	SECTION 6	58552	TIER 2

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

## STANDARD ENVIRONMENTAL RECORDS

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

#### NPL: National Priority List

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

Date of Government Version: 04/26/2013	Source: EPA
Date Data Arrived at EDR: 05/09/2013	Telephone: N/A
Date Made Active in Reports: 07/10/2013	Last EDR Contact: 05/09/2013
Number of Days to Update: 62	Next Scheduled EDR Contact: 07/22/2013
	Data Release Frequency: Quarterly

#### NPL Site Boundaries

##### Sources:

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

EPA Region 1  
Telephone 617-918-1143

EPA Region 6  
Telephone: 214-655-6659

EPA Region 3  
Telephone 215-814-5418

EPA Region 7  
Telephone: 913-551-7247

EPA Region 4  
Telephone 404-562-8033

EPA Region 8  
Telephone: 303-312-6774

EPA Region 5  
Telephone 312-886-6686

EPA Region 9  
Telephone: 415-947-4246

EPA Region 10  
Telephone 206-553-8665

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

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

Date of Government Version: 04/26/2013	Source: EPA
Date Data Arrived at EDR: 05/09/2013	Telephone: N/A
Date Made Active in Reports: 07/10/2013	Last EDR Contact: 05/09/2013
Number of Days to Update: 62	Next Scheduled EDR Contact: 07/22/2013
	Data Release Frequency: Quarterly

#### NPL LIENS: Federal Superfund Liens

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

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

DELISTED NPL: National Priority List Deletions

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

Date of Government Version: 04/26/2013	Source: EPA
Date Data Arrived at EDR: 05/09/2013	Telephone: N/A
Date Made Active in Reports: 07/10/2013	Last EDR Contact: 05/09/2013
Number of Days to Update: 62	Next Scheduled EDR Contact: 07/22/2013
	Data Release Frequency: Quarterly

## ***Federal CERCLIS list***

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

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

Date of Government Version: 02/04/2013	Source: EPA
Date Data Arrived at EDR: 03/01/2013	Telephone: 703-412-9810
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 05/29/2013
Number of Days to Update: 12	Next Scheduled EDR Contact: 09/09/2013
	Data Release Frequency: Quarterly

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: 07/31/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/09/2012	Telephone: 703-603-8704
Date Made Active in Reports: 12/20/2012	Last EDR Contact: 07/08/2013
Number of Days to Update: 72	Next Scheduled EDR Contact: 10/21/2013
	Data Release Frequency: Varies

## ***Federal CERCLIS NFRAP site List***

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

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

Date of Government Version: 02/05/2013	Source: EPA
Date Data Arrived at EDR: 03/01/2013	Telephone: 703-412-9810
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 05/29/2013
Number of Days to Update: 12	Next Scheduled EDR Contact: 05/09/2013
	Data Release Frequency: Quarterly

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

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/12/2013  
Date Data Arrived at EDR: 02/21/2013  
Date Made Active in Reports: 02/27/2013  
Number of Days to Update: 6

Source: EPA  
Telephone: 800-424-9346  
Last EDR Contact: 07/01/2013  
Next Scheduled EDR Contact: 10/14/2013  
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: 02/12/2013  
Date Data Arrived at EDR: 02/15/2013  
Date Made Active in Reports: 02/27/2013  
Number of Days to Update: 12

Source: Environmental Protection Agency  
Telephone: 303-312-6149  
Last EDR Contact: 07/01/2013  
Next Scheduled EDR Contact: 10/14/2013  
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: 02/12/2013  
Date Data Arrived at EDR: 02/15/2013  
Date Made Active in Reports: 02/27/2013  
Number of Days to Update: 12

Source: Environmental Protection Agency  
Telephone: 303-312-6149  
Last EDR Contact: 07/01/2013  
Next Scheduled EDR Contact: 10/14/2013  
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: 02/12/2013  
Date Data Arrived at EDR: 02/15/2013  
Date Made Active in Reports: 02/27/2013  
Number of Days to Update: 12

Source: Environmental Protection Agency  
Telephone: 303-312-6149  
Last EDR Contact: 07/01/2013  
Next Scheduled EDR Contact: 10/14/2013  
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: 02/12/2013  
Date Data Arrived at EDR: 02/15/2013  
Date Made Active in Reports: 02/27/2013  
Number of Days to Update: 12

Source: Environmental Protection Agency  
Telephone: 303-312-6149  
Last EDR Contact: 07/01/2013  
Next Scheduled EDR Contact: 10/14/2013  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

### 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: 03/14/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/29/2013	Telephone: 703-603-0695
Date Made Active in Reports: 05/10/2013	Last EDR Contact: 06/10/2013
Number of Days to Update: 42	Next Scheduled EDR Contact: 09/23/2013
	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: 03/14/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/29/2013	Telephone: 703-603-0695
Date Made Active in Reports: 05/10/2013	Last EDR Contact: 06/10/2013
Number of Days to Update: 42	Next Scheduled EDR Contact: 09/23/2013
	Data Release Frequency: Varies

### LUCIS: Land Use Control Information System

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

Date of Government Version: 12/09/2005	Source: Department of the Navy
Date Data Arrived at EDR: 12/11/2006	Telephone: 843-820-7326
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 05/20/2013
Number of Days to Update: 31	Next Scheduled EDR Contact: 09/02/2013
	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: 12/31/2012	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/17/2013	Telephone: 202-267-2180
Date Made Active in Reports: 02/15/2013	Last EDR Contact: 07/01/2013
Number of Days to Update: 29	Next Scheduled EDR Contact: 10/14/2013
	Data Release Frequency: Annually

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

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

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

Date of Government Version: N/A	Source: Department of Health
Date Data Arrived at EDR: N/A	Telephone: 701-328-5166
Date Made Active in Reports: N/A	Last EDR Contact: 05/28/2013
Number of Days to Update: N/A	Next Scheduled EDR Contact: 09/09/2013
	Data Release Frequency: N/A

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***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: 01/06/2013	Source: Department of Health
Date Data Arrived at EDR: 01/22/2013	Telephone: 701-328-5166
Date Made Active in Reports: 03/20/2013	Last EDR Contact: 07/16/2013
Number of Days to Update: 57	Next Scheduled EDR Contact: 10/28/2013
	Data Release Frequency: Semi-Annually

## ***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: 06/04/2013	Source: Department of Health
Date Data Arrived at EDR: 06/05/2013	Telephone: 701-328-5166
Date Made Active in Reports: 06/25/2013	Last EDR Contact: 06/05/2013
Number of Days to Update: 20	Next Scheduled EDR Contact: 09/16/2013
	Data Release Frequency: Quarterly

### 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: 09/28/2012	Source: EPA Region 1
Date Data Arrived at EDR: 11/01/2012	Telephone: 617-918-1313
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 05/01/2013
Number of Days to Update: 162	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Varies

### INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 02/06/2013	Source: EPA Region 4
Date Data Arrived at EDR: 02/08/2013	Telephone: 404-562-8677
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 07/24/2013
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/11/2013
	Data Release Frequency: Semi-Annually

### INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 09/12/2011	Source: EPA Region 6
Date Data Arrived at EDR: 09/13/2011	Telephone: 214-665-6597
Date Made Active in Reports: 11/11/2011	Last EDR Contact: 07/24/2013
Number of Days to Update: 59	Next Scheduled EDR Contact: 11/11/2013
	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: 12/31/2012	Source: EPA Region 7
Date Data Arrived at EDR: 02/28/2013	Telephone: 913-551-7003
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 07/24/2013
Number of Days to Update: 43	Next Scheduled EDR Contact: 11/11/2013
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 08/27/2012	Source: EPA Region 8
Date Data Arrived at EDR: 08/28/2012	Telephone: 303-312-6271
Date Made Active in Reports: 10/16/2012	Last EDR Contact: 07/24/2013
Number of Days to Update: 49	Next Scheduled EDR Contact: 11/11/2013
	Data Release Frequency: Quarterly

## INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 03/01/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2013	Telephone: 415-972-3372
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 07/24/2013
Number of Days to Update: 42	Next Scheduled EDR Contact: 11/11/2013
	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: 02/05/2013	Source: EPA Region 10
Date Data Arrived at EDR: 02/06/2013	Telephone: 206-553-2857
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 07/24/2013
Number of Days to Update: 65	Next Scheduled EDR Contact: 11/11/2013
	Data Release Frequency: Quarterly

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

#### 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: 06/04/2013	Source: Department of Health
Date Data Arrived at EDR: 06/05/2013	Telephone: 701-328-5166
Date Made Active in Reports: 06/25/2013	Last EDR Contact: 06/05/2013
Number of Days to Update: 20	Next Scheduled EDR Contact: 09/16/2013
	Data Release Frequency: Quarterly

#### AST: Aboveground Storage Tank Listing

Registered Aboveground Storage Tanks.

Date of Government Version: 04/29/2013	Source: Department of Insurance
Date Data Arrived at EDR: 05/01/2013	Telephone: 701-328-3246
Date Made Active in Reports: 05/15/2013	Last EDR Contact: 04/29/2013
Number of Days to Update: 14	Next Scheduled EDR Contact: 08/12/2013
	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: 12/31/2012	Source: EPA Region 7
Date Data Arrived at EDR: 02/28/2013	Telephone: 913-551-7003
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 07/24/2013
Number of Days to Update: 43	Next Scheduled EDR Contact: 11/11/2013
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

Date of Government Version: 05/10/2011	Source: EPA Region 6
Date Data Arrived at EDR: 05/11/2011	Telephone: 214-665-7591
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 07/24/2013
Number of Days to Update: 34	Next Scheduled EDR Contact: 11/11/2013
	Data Release Frequency: Semi-Annually

## 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: 08/02/2012	Source: EPA Region 5
Date Data Arrived at EDR: 08/03/2012	Telephone: 312-886-6136
Date Made Active in Reports: 11/05/2012	Last EDR Contact: 07/24/2013
Number of Days to Update: 94	Next Scheduled EDR Contact: 11/11/2013
	Data Release Frequency: Varies

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

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

Date of Government Version: 02/06/2013	Source: EPA Region 4
Date Data Arrived at EDR: 02/08/2013	Telephone: 404-562-9424
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 07/24/2013
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/11/2013
	Data Release Frequency: Semi-Annually

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

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

Date of Government Version: 09/28/2012	Source: EPA, Region 1
Date Data Arrived at EDR: 11/07/2012	Telephone: 617-918-1313
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 04/29/2013
Number of Days to Update: 156	Next Scheduled EDR Contact: 08/12/2013
	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: 08/27/2012	Source: EPA Region 8
Date Data Arrived at EDR: 08/28/2012	Telephone: 303-312-6137
Date Made Active in Reports: 10/16/2012	Last EDR Contact: 07/24/2013
Number of Days to Update: 49	Next Scheduled EDR Contact: 11/11/2013
	Data Release Frequency: Quarterly

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

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

Date of Government Version: 02/05/2013	Source: EPA Region 10
Date Data Arrived at EDR: 02/06/2013	Telephone: 206-553-2857
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 07/24/2013
Number of Days to Update: 65	Next Scheduled EDR Contact: 11/11/2013
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

Date of Government Version: 02/21/2013	Source: EPA Region 9
Date Data Arrived at EDR: 02/26/2013	Telephone: 415-972-3368
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 07/24/2013
Number of Days to Update: 45	Next Scheduled EDR Contact: 11/11/2013
	Data Release Frequency: Quarterly

## FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010	Source: FEMA
Date Data Arrived at EDR: 02/16/2010	Telephone: 202-646-5797
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 07/19/2013
Number of Days to Update: 55	Next Scheduled EDR Contact: 10/28/2013
	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: 09/09/2011	Source: Department of Health
Date Data Arrived at EDR: 09/09/2011	Telephone: 701-328-5158
Date Made Active in Reports: 10/13/2011	Last EDR Contact: 06/03/2013
Number of Days to Update: 34	Next Scheduled EDR Contact: 09/16/2013
	Data Release Frequency: Varies

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

#### INDIAN VCP R1: Voluntary Cleanup Priority Listing

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

Date of Government Version: 09/28/2012	Source: EPA, Region 1
Date Data Arrived at EDR: 10/02/2012	Telephone: 617-918-1102
Date Made Active in Reports: 10/16/2012	Last EDR Contact: 07/02/2013
Number of Days to Update: 14	Next Scheduled EDR Contact: 10/14/2013
	Data Release Frequency: Varies

#### INDIAN VCP R7: Voluntary Cleanup Priority Listing

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

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

### ***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: 02/25/2013	Source: Department of Health
Date Data Arrived at EDR: 02/27/2013	Telephone: 701-328-5166
Date Made Active in Reports: 03/20/2013	Last EDR Contact: 05/28/2013
Number of Days to Update: 21	Next Scheduled EDR Contact: 09/09/2013
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 12/10/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/11/2012	Telephone: 202-566-2777
Date Made Active in Reports: 12/20/2012	Last EDR Contact: 06/25/2013
Number of Days to Update: 9	Next Scheduled EDR Contact: 10/07/2013
	Data Release Frequency: Semi-Annually

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

#### 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	Source: EPA, Region 9
Date Data Arrived at EDR: 05/07/2009	Telephone: 415-947-4219
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 04/29/2013
Number of Days to Update: 137	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: No Update Planned

#### ODI: Open Dump Inventory

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

Date of Government Version: 06/30/1985	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

#### SWRCY: Recycling Centers

A listing of recycling center locations.

Date of Government Version: 03/14/2011	Source: Department of Health
Date Data Arrived at EDR: 03/15/2011	Telephone: 701-328-5266
Date Made Active in Reports: 03/31/2011	Last EDR Contact: 06/14/2013
Number of Days to Update: 16	Next Scheduled EDR Contact: 09/23/2013
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 05/03/2013
Number of Days to Update: 52	Next Scheduled EDR Contact: 08/19/2013
	Data Release Frequency: Varies

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 03/04/2013	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 03/12/2013	Telephone: 202-307-1000
Date Made Active in Reports: 05/10/2013	Last EDR Contact: 06/03/2013
Number of Days to Update: 59	Next Scheduled EDR Contact: 09/16/2013
	Data Release Frequency: Quarterly

## CDL: Clandestine Drug Lab Location Listing

A listing of clandestine drug lab locations in North Dakota.

Date of Government Version: 02/22/2013	Source: Bureau of Criminal Investigation
Date Data Arrived at EDR: 06/05/2013	Telephone: 701-328-8171
Date Made Active in Reports: 06/25/2013	Last EDR Contact: 06/03/2013
Number of Days to Update: 20	Next Scheduled EDR Contact: 09/16/2013
	Data Release Frequency: Varies

## US HIST CDL: National Clandestine Laboratory Register

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: 09/01/2007	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 11/19/2008	Telephone: 202-307-1000
Date Made Active in Reports: 03/30/2009	Last EDR Contact: 03/23/2009
Number of Days to Update: 131	Next Scheduled EDR Contact: 06/22/2009
	Data Release Frequency: No Update Planned

## **Local Land Records**

### LIENS 2: CERCLA Lien Information

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

Date of Government Version: 02/06/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/25/2013	Telephone: 202-564-6023
Date Made Active in Reports: 05/10/2013	Last EDR Contact: 07/24/2013
Number of Days to Update: 15	Next Scheduled EDR Contact: 11/11/2013
	Data Release Frequency: Varies

## **Records of Emergency Release Reports**

### HMIRS: Hazardous Materials Information Reporting System

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

Date of Government Version: 12/31/2012	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 01/03/2013	Telephone: 202-366-4555
Date Made Active in Reports: 02/27/2013	Last EDR Contact: 07/01/2013
Number of Days to Update: 55	Next Scheduled EDR Contact: 10/14/2013
	Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## SPILLS: State Spills

A listing of Department of Health spill records.

Date of Government Version: 04/18/2013	Source: Dept. of Health
Date Data Arrived at EDR: 04/19/2013	Telephone: 701-328-5150
Date Made Active in Reports: 05/15/2013	Last EDR Contact: 07/15/2013
Number of Days to Update: 26	Next Scheduled EDR Contact: 10/28/2013
	Data Release Frequency: Varies

## Other Ascertainable Records

### RCRA NonGen / NLR: RCRA - Non 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). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 02/12/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/15/2013	Telephone: 303-312-6149
Date Made Active in Reports: 02/27/2013	Last EDR Contact: 07/01/2013
Number of Days to Update: 12	Next Scheduled EDR Contact: 10/14/2013
	Data Release Frequency: Varies

### DOT OPS: Incident and Accident Data

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

Date of Government Version: 07/31/2012	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 08/07/2012	Telephone: 202-366-4595
Date Made Active in Reports: 09/18/2012	Last EDR Contact: 05/07/2013
Number of Days to Update: 42	Next Scheduled EDR Contact: 08/19/2013
	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	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 07/19/2013
Number of Days to Update: 62	Next Scheduled EDR Contact: 10/28/2013
	Data Release Frequency: Semi-Annually

### FUDS: Formerly Used Defense Sites

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

Date of Government Version: 12/31/2011	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 02/26/2013	Telephone: 202-528-4285
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 06/10/2013
Number of Days to Update: 15	Next Scheduled EDR Contact: 09/23/2013
	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: 12/31/2011	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 01/15/2013	Telephone: Varies
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 06/25/2013
Number of Days to Update: 57	Next Scheduled EDR Contact: 10/14/2013
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 12/18/2012	Source: EPA
Date Data Arrived at EDR: 03/13/2013	Telephone: 703-416-0223
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 06/11/2013
Number of Days to Update: 30	Next Scheduled EDR Contact: 09/23/2013
	Data Release Frequency: Annually

## UMTRA: Uranium Mill Tailings Sites

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

Date of Government Version: 09/14/2010	Source: Department of Energy
Date Data Arrived at EDR: 10/07/2011	Telephone: 505-845-0011
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 05/28/2013
Number of Days to Update: 146	Next Scheduled EDR Contact: 09/09/2013
	Data Release Frequency: Varies

## US MINES: Mines Master Index File

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

Date of Government Version: 02/05/2013	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 04/18/2013	Telephone: 303-231-5959
Date Made Active in Reports: 05/10/2013	Last EDR Contact: 06/04/2013
Number of Days to Update: 22	Next Scheduled EDR Contact: 09/16/2013
	Data Release Frequency: Semi-Annually

## 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: 12/31/2009	Source: EPA
Date Data Arrived at EDR: 09/01/2011	Telephone: 202-566-0250
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 05/29/2013
Number of Days to Update: 131	Next Scheduled EDR Contact: 09/09/2013
	Data Release Frequency: Annually

## TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2006	Source: EPA
Date Data Arrived at EDR: 09/29/2010	Telephone: 202-260-5521
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 06/25/2013
Number of Days to Update: 64	Next Scheduled EDR Contact: 10/07/2013
	Data Release Frequency: Every 4 Years

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

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 05/28/2013
Number of Days to Update: 25	Next Scheduled EDR Contact: 09/09/2013
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 05/28/2013
Number of Days to Update: 25	Next Scheduled EDR Contact: 09/09/2013
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

**SSTS: Section 7 Tracking Systems**

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

Date of Government Version: 12/31/2009	Source: EPA
Date Data Arrived at EDR: 12/10/2010	Telephone: 202-564-4203
Date Made Active in Reports: 02/25/2011	Last EDR Contact: 07/24/2013
Number of Days to Update: 77	Next Scheduled EDR Contact: 11/11/2013
	Data Release Frequency: Annually

**ICIS: Integrated Compliance Information System**

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

Date of Government Version: 07/20/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/10/2011	Telephone: 202-564-5088
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 07/01/2013
Number of Days to Update: 61	Next Scheduled EDR Contact: 10/28/2013
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 11/01/2012	Source: EPA
Date Data Arrived at EDR: 01/16/2013	Telephone: 202-566-0500
Date Made Active in Reports: 05/10/2013	Last EDR Contact: 07/17/2013
Number of Days to Update: 114	Next Scheduled EDR Contact: 10/28/2013
	Data Release Frequency: Annually

## MLTS: Material Licensing Tracking System

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

Date of Government Version: 03/14/2013	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 03/20/2013	Telephone: 301-415-7169
Date Made Active in Reports: 07/10/2013	Last EDR Contact: 07/10/2013
Number of Days to Update: 112	Next Scheduled EDR Contact: 09/23/2013
	Data Release Frequency: Quarterly

## RADINFO: Radiation Information Database

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

Date of Government Version: 04/09/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/11/2013	Telephone: 202-343-9775
Date Made Active in Reports: 05/10/2013	Last EDR Contact: 07/12/2013
Number of Days to Update: 29	Next Scheduled EDR Contact: 10/21/2013
	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: 03/08/2013	Source: EPA
Date Data Arrived at EDR: 03/21/2013	Telephone: (303) 312-6312
Date Made Active in Reports: 07/10/2013	Last EDR Contact: 06/13/2013
Number of Days to Update: 111	Next Scheduled EDR Contact: 09/23/2013
	Data Release Frequency: Quarterly

## RAATS: RCRA Administrative Action Tracking System

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

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

## RMP: Risk Management Plans

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 05/08/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/25/2012	Telephone: 202-564-8600
Date Made Active in Reports: 07/10/2012	Last EDR Contact: 07/24/2013
Number of Days to Update: 46	Next Scheduled EDR Contact: 11/11/2013
	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: 12/31/2011	Source: EPA/NTIS
Date Data Arrived at EDR: 02/26/2013	Telephone: 800-424-9346
Date Made Active in Reports: 04/19/2013	Last EDR Contact: 05/30/2013
Number of Days to Update: 52	Next Scheduled EDR Contact: 09/09/2013
	Data Release Frequency: Biennially

### UIC: Underground Injection Wells

A listing of underground injection control wells.

Date of Government Version: 05/10/2013	Source: Department of Health
Date Data Arrived at EDR: 05/10/2013	Telephone: 701-328-5217
Date Made Active in Reports: 06/24/2013	Last EDR Contact: 05/06/2013
Number of Days to Update: 45	Next Scheduled EDR Contact: 08/19/2013
	Data Release Frequency: Varies

### DRYCLEANERS: Drycleaner facilities

A listing of drycleaner facility locations.

Date of Government Version: 07/01/2012	Source: Department of Health
Date Data Arrived at EDR: 04/03/2013	Telephone: 701-328-5188
Date Made Active in Reports: 05/15/2013	Last EDR Contact: 06/26/2013
Number of Days to Update: 42	Next Scheduled EDR Contact: 10/14/2013
	Data Release Frequency: Varies

### NPDES: Wastewater Facility Listing

A listing of wastewater facility locations.

Date of Government Version: 05/22/2013	Source: Department of Health
Date Data Arrived at EDR: 05/23/2013	Telephone: 701-328-5260
Date Made Active in Reports: 06/24/2013	Last EDR Contact: 07/15/2013
Number of Days to Update: 32	Next Scheduled EDR Contact: 10/28/2013
	Data Release Frequency: Varies

### AIRS: Permitted Airs Facility Listing

A listing of permitted air facility locations.

Date of Government Version: 05/14/2013	Source: Department of Health
Date Data Arrived at EDR: 05/16/2013	Telephone: 701-328-5188
Date Made Active in Reports: 06/27/2013	Last EDR Contact: 05/13/2013
Number of Days to Update: 42	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## TIER 2: Tier 2 Information Listing

Tier 2 information listing.

Date of Government Version: 12/31/2011  
Date Data Arrived at EDR: 07/12/2012  
Date Made Active in Reports: 08/28/2012  
Number of Days to Update: 47

Source: Department of Emergency Services  
Telephone: 701-328-8263  
Last EDR Contact: 06/26/2013  
Next Scheduled EDR Contact: 10/14/2013  
Data Release Frequency: Annually

## INDIAN RESERV: Indian Reservations

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

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 12/08/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 34

Source: USGS  
Telephone: 202-208-3710  
Last EDR Contact: 07/19/2013  
Next Scheduled EDR Contact: 10/28/2013  
Data Release Frequency: Semi-Annually

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

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

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

Source: Environmental Protection Agency  
Telephone: 615-532-8599  
Last EDR Contact: 07/18/2013  
Next Scheduled EDR Contact: 11/04/2013  
Data Release Frequency: Varies

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

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

Date of Government Version: 01/23/2013  
Date Data Arrived at EDR: 01/30/2013  
Date Made Active in Reports: 05/10/2013  
Number of Days to Update: 100

Source: EPA  
Telephone: 202-564-5962  
Last EDR Contact: 06/25/2013  
Next Scheduled EDR Contact: 10/14/2013  
Data Release Frequency: Annually

## 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: 12/31/2012  
Date Data Arrived at EDR: 02/18/2013  
Date Made Active in Reports: 05/10/2013  
Number of Days to Update: 81

Source: Environmental Protection Agency  
Telephone: 617-520-3000  
Last EDR Contact: 05/10/2013  
Next Scheduled EDR Contact: 08/26/2013  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## US FIN ASSUR: Financial Assurance Information

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

Date of Government Version: 03/04/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/15/2013	Telephone: 202-566-1917
Date Made Active in Reports: 05/10/2013	Last EDR Contact: 05/20/2013
Number of Days to Update: 56	Next Scheduled EDR Contact: 09/02/2013
	Data Release Frequency: Quarterly

## PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 12/18/2012	Source: EPA
Date Data Arrived at EDR: 04/04/2013	Telephone: 202-564-6023
Date Made Active in Reports: 07/10/2013	Last EDR Contact: 07/03/2013
Number of Days to Update: 97	Next Scheduled EDR Contact: 10/14/2013
	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: 11/11/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/18/2012	Telephone: 703-308-4044
Date Made Active in Reports: 05/25/2012	Last EDR Contact: 05/17/2013
Number of Days to Update: 7	Next Scheduled EDR Contact: 08/26/2013
	Data Release Frequency: Varies

## US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 01/23/2013	Source: EPA
Date Data Arrived at EDR: 01/30/2013	Telephone: 202-564-5962
Date Made Active in Reports: 05/10/2013	Last EDR Contact: 06/25/2013
Number of Days to Update: 100	Next Scheduled EDR Contact: 10/14/2013
	Data Release Frequency: Annually

## COAL ASH DOE: Sleam-Electric Plan Operation Data

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

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 07/19/2013
Number of Days to Update: 76	Next Scheduled EDR Contact: 10/28/2013
	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: 08/17/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/03/2011	Telephone: N/A
Date Made Active in Reports: 03/21/2011	Last EDR Contact: 06/14/2013
Number of Days to Update: 77	Next Scheduled EDR Contact: 09/23/2013
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## FEDLAND: Federal and Indian Lands

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

Date of Government Version: 12/31/2005	Source: U.S. Geological Survey
Date Data Arrived at EDR: 02/06/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 07/19/2013
Number of Days to Update: 339	Next Scheduled EDR Contact: 10/28/2013
	Data Release Frequency: N/A

## LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 01/29/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/14/2013	Telephone: 703-603-8787
Date Made Active in Reports: 02/27/2013	Last EDR Contact: 07/03/2013
Number of Days to Update: 13	Next Scheduled EDR Contact: 10/21/2013
	Data Release Frequency: Varies

## LEAD SMELTER 2: Lead Smelter Sites

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

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

## PCB TRANSFORMER: PCB Transformer Registration Database

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

Date of Government Version: 02/01/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/19/2011	Telephone: 202-566-0517
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 05/03/2013
Number of Days to Update: 83	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Varies

## **EDR HIGH RISK HISTORICAL RECORDS**

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

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

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

Date of Government Version: N/A	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

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

## EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners

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

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

## EDR US Hist Cleaners: EDR Proprietary Historic Dry Cleaners - Cole

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

## EDR US Hist Auto Stat: EDR Proprietary Historic Gas Stations - Cole

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

## 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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/20/2013  
Date Data Arrived at EDR: 05/21/2013  
Date Made Active in Reports: 06/27/2013  
Number of Days to Update: 37

Source: Department of Energy & Environmental Protection  
Telephone: 860-424-3375  
Last EDR Contact: 05/21/2013  
Next Scheduled EDR Contact: 09/02/2013  
Data Release Frequency: Annually

## NY MANIFEST: Facility and Manifest Data

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

Date of Government Version: 05/01/2013  
Date Data Arrived at EDR: 05/09/2013  
Date Made Active in Reports: 07/10/2013  
Number of Days to Update: 62

Source: Department of Environmental Conservation  
Telephone: 518-402-8651  
Last EDR Contact: 05/09/2013  
Next Scheduled EDR Contact: 08/19/2013  
Data Release Frequency: Annually

## WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011  
Date Data Arrived at EDR: 07/19/2012  
Date Made Active in Reports: 09/27/2012  
Number of Days to Update: 70

Source: Department of Natural Resources  
Telephone: N/A  
Last EDR Contact: 07/17/2013  
Next Scheduled EDR Contact: 09/30/2013  
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

## Electric Power Transmission Line Data

Source: Rextag Strategies Corp.  
Telephone: (281) 769-2247  
U.S. Electric Transmission and Power Plants Systems Digital GIS Data

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

## AHA Hospitals:

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

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

## Medical Centers: Provider of Services Listing

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

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

## Nursing Homes

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

## Public Schools

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

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

## Private Schools

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

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Daycare Centers: Child Care List  
Source: Department of Human Services  
Telephone: 701-328-2316

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

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

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

## **STREET AND ADDRESS INFORMATION**

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

### TARGET PROPERTY ADDRESS

FAMILY DOLLAR  
U.S. HIGHWAY 83  
LINTON, ND 58552

### TARGET PROPERTY COORDINATES

Latitude (North):	46.269 - 46° 16' 8.40"
Longitude (West):	100.238 - 100° 14' 16.80"
Universal Transverse Mercator:	Zone 14
UTM X (Meters):	404601.8
UTM Y (Meters):	5124462.5
Elevation:	1721 ft. above sea level

### USGS TOPOGRAPHIC MAP

Target Property Map:	46100-C2 LINTON, ND
Most Recent Revision:	1980
West Map:	46100-C3 TEMVIK, ND
Most Recent Revision:	1971

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

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

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

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

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW DIRECTION INFORMATION

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

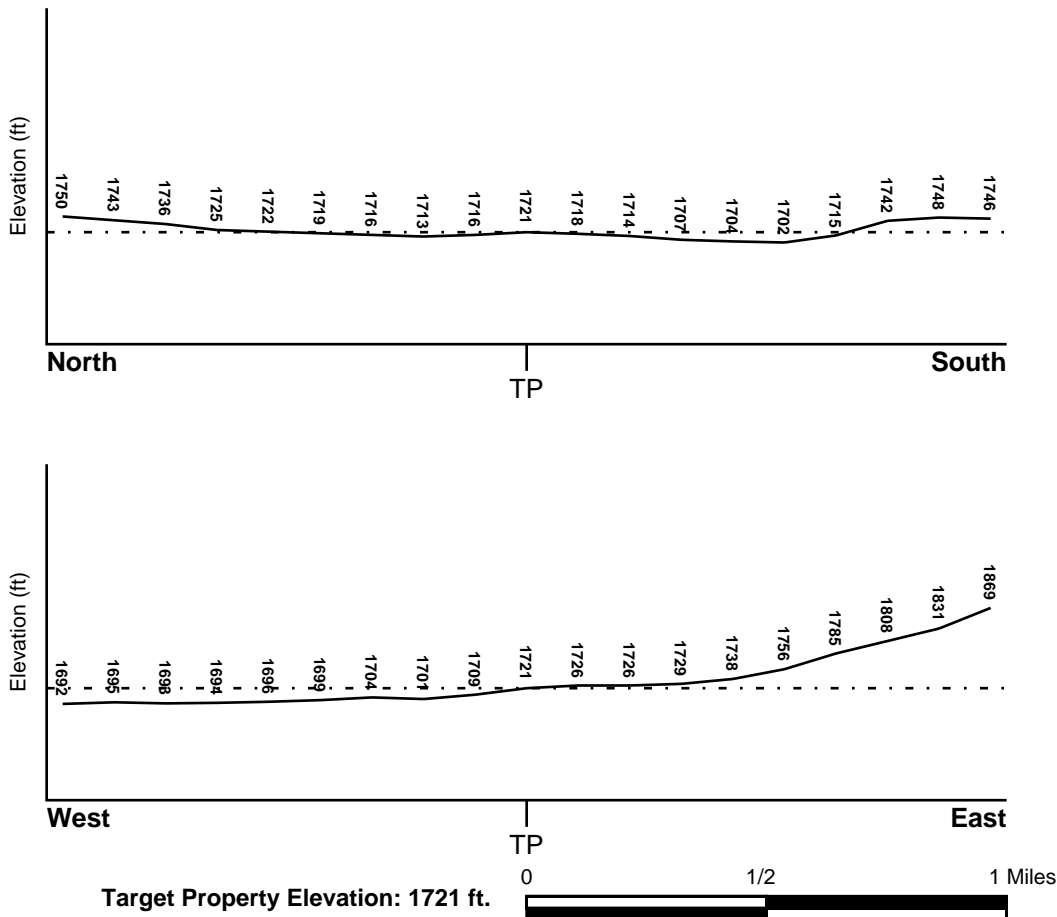
## TOPOGRAPHIC INFORMATION

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

## TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General West

## SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## HYDROLOGIC INFORMATION

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

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

## FEMA FLOOD ZONE

<u>Target Property County</u> EMMONS, ND	<u>FEMA Flood Electronic Data</u> YES - refer to the Overview Map and Detail Map
Flood Plain Panel at Target Property:	3800320001C - FEMA Q3 Flood data
Additional Panels in search area:	3803270275A - FEMA Q3 Flood data

## NATIONAL WETLAND INVENTORY

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

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

## AQUIFLOW®

Search Radius: 1.000 Mile.

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

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

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### GROUNDWATER FLOW VELOCITY INFORMATION

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

### GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

#### **ROCK STRATIGRAPHIC UNIT**

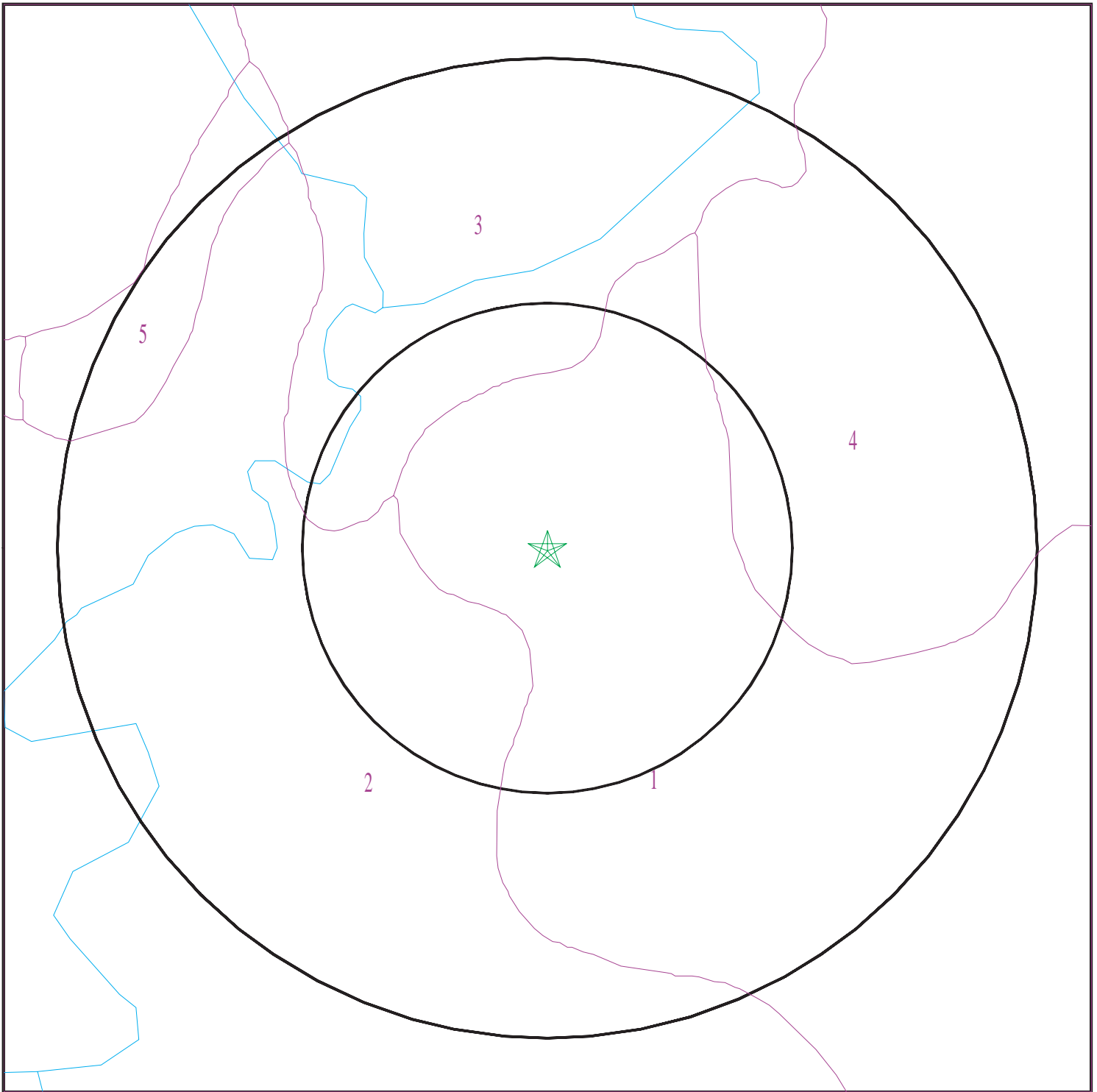
Era:	Mesozoic
System:	Cretaceous
Series:	Taylor Group
Code:	uK3 ( <i>decoded above as Era, System &amp; Series</i> )

#### **GEOLOGIC AGE IDENTIFICATION**

Category: Stratified Sequence

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

# SSURGO SOIL MAP - 3675977.2s



- ★ Target Property
- SSURGO Soil
- Water



SITE NAME: Family Dollar  
ADDRESS: U.S. Highway 83  
Linton ND 58552  
LAT/LONG: 46.269 / 100.238

CLIENT: Blacktrail Environmental, Inc.  
CONTACT: John Spilman  
INQUIRY #: 3675977.2s  
DATE: July 25, 2013 10:50 am

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

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

### Soil Map ID: 1

Soil Component Name: SHAMBO

Soil Surface Texture: loam

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

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	loam	Not reported	Not reported	Max: 14 Min: 4	Max: 8.4 Min: 7.4
2	5 inches	14 inches		Not reported	Not reported	Max: 14 Min: 4	Max: 8.4 Min: 7.4
3	14 inches	31 inches		Not reported	Not reported	Max: 14 Min: 4	Max: 8.4 Min: 7.4
4	31 inches	59 inches		Not reported	Not reported	Max: 14 Min: 4	Max: 8.4 Min: 7.4

### Soil Map ID: 2

Soil Component Name: STRAW

Soil Surface Texture: silt loam

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

Soil Drainage Class: Well drained

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	24 inches	silt loam	Not reported	Not reported	Max: 42 Min: 4	Max: 8.4 Min: 6.6
2	24 inches	59 inches		Not reported	Not reported	Max: 42 Min: 4	Max: 8.4 Min: 6.6

### Soil Map ID: 3

Soil Component Name: HARRIET

Soil Surface Texture: silt loam

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

Soil Drainage Class: Poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 15 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	3 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 9 Min: 7.9
2	3 inches	18 inches		Not reported	Not reported	Max: 14 Min: 4	Max: 9 Min: 7.9
3	18 inches	59 inches		Not reported	Not reported	Max: 14 Min: 4	Max: 9 Min: 7.9

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### Soil Map ID: 4

Soil Component Name: REEDER

Soil Surface Texture: loam

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

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	loam	Not reported	Not reported	Max: 4 Min: 0.42	Max: Min:
2	5 inches	20 inches		Not reported	Not reported	Max: 4 Min: 0.42	Max: Min:
3	20 inches	25 inches		Not reported	Not reported	Max: 4 Min: 0.42	Max: Min:
4	25 inches	59 inches		Not reported	Not reported	Max: 4 Min: 0.42	Max: Min:

### Soil Map ID: 5

Soil Component Name: DAGLUM

Soil Surface Texture: silt loam

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

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	silt loam	Not reported	Not reported	Max: Min:	Max: Min:
2	7 inches	26 inches		Not reported	Not reported	Max: Min:	Max: Min:
3	26 inches	46 inches		Not reported	Not reported	Max: Min:	Max: Min:
4	46 inches	59 inches		Not reported	Not reported	Max: Min:	Max: Min:

### LOCAL / REGIONAL WATER AGENCY RECORDS

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

### WELL SEARCH DISTANCE INFORMATION

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

### FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
2	USGS40000904248	1/8 - 1/4 Mile SW
A3	USGS40000904247	1/8 - 1/4 Mile ESE
B7	USGS40000904228	1/4 - 1/2 Mile SE
C9	USGS40000904186	1/4 - 1/2 Mile SE
C10	USGS40000904187	1/4 - 1/2 Mile SE
12	USGS40000904296	1/2 - 1 Mile West
14	USGS40000904376	1/2 - 1 Mile WNW
D19	USGS40000904070	1/2 - 1 Mile SSE
20	USGS40000904069	1/2 - 1 Mile SE
21	USGS40000904443	1/2 - 1 Mile NE
E24	USGS40000904047	1/2 - 1 Mile SSE
25	USGS40000904528	1/2 - 1 Mile NNW
26	USGS40000904377	1/2 - 1 Mile WNW

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

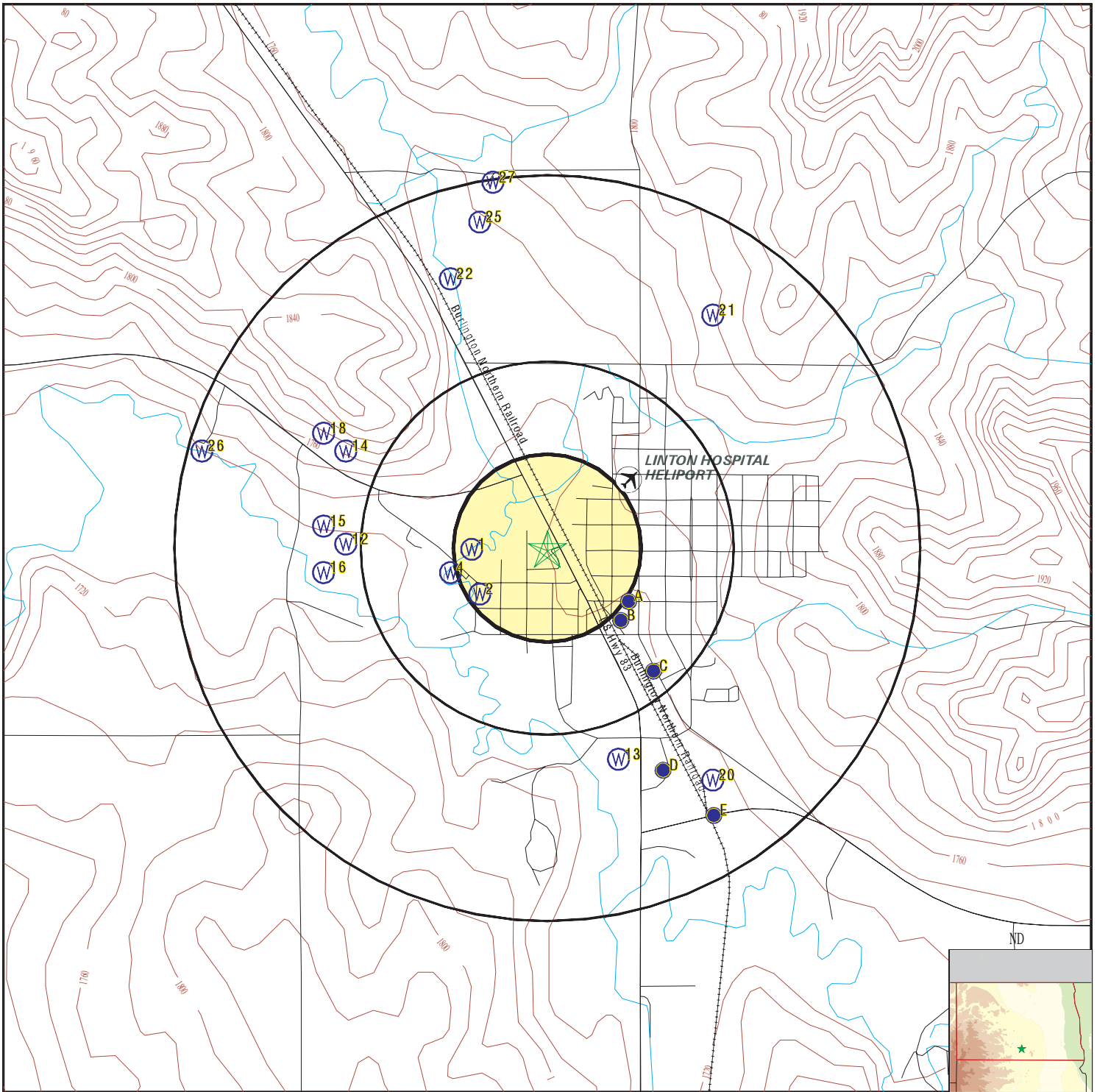
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A8	ND1500571	1/4 - 1/2 Mile ESE

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

## STATE DATABASE WELL INFORMATION

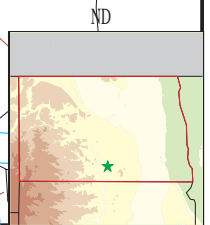
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	ND5000000005890	1/8 - 1/4 Mile West
4	ND5000000005863	1/4 - 1/2 Mile WSW
B5	ND5000000005836	1/4 - 1/2 Mile SE
B6	ND5000000005837	1/4 - 1/2 Mile SE
C11	ND5000000005801	1/4 - 1/2 Mile SE
13	ND5000000005722	1/2 - 1 Mile SSE
15	ND5000000005934	1/2 - 1 Mile West
16	ND5000000005864	1/2 - 1 Mile West
D17	ND5000000005720	1/2 - 1 Mile SSE
18	ND5000000005970	1/2 - 1 Mile WNW
22	ND5000000006038	1/2 - 1 Mile NNW
E23	ND5000000005678	1/2 - 1 Mile SSE
27	ND5000000006124	1/2 - 1 Mile North

# PHYSICAL SETTING SOURCE MAP - 3675977.2s



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

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



SITE NAME: Family Dollar  
 ADDRESS: U.S. Highway 83  
 Linton ND 58552  
 LAT/LONG: 46.269 / 100.238

CLIENT: Blacktrail Environmental, Inc.  
 CONTACT: John Spilman  
 INQUIRY #: 3675977.2s  
 DATE: July 25, 2013 10:50 am

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**1**  
**West**      **ND WELLS**      **ND5000000005890**  
**1/8 - 1/4 Mile**  
**Lower**

Site index:	5573	Location:	13207607
Swc well n:	Not Reported	County:	Emmons
Basin:	Beaver Creek	Aquifer:	Unnamed
Purpose:	Domestic Well	Casing:	Unknown
Diameter:	0	Measuring :	0
Land surfa:	0	Elev type:	Not Reported
Date drill:	00/00/00	Total dept:	0
Bedrock de:	0	Top screen:	0
Bottom scr:	40	Longitude:	-100.242228158372
Latitude:	46.2689526951731	Site id:	ND5000000005890

**2**  
**SW**      **FED USGS**      **USGS40000904248**  
**1/8 - 1/4 Mile**  
**Lower**

Org. Identifier:	USGS-ND		
Formal name:	USGS North Dakota Water Science Center		
Monloc Identifier:	USGS-461602100142901		
Monloc name:	132-076-07CAA		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	10130104	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	46.2672124
Longitude:	-100.2417807	Sourcemap scale:	Not Reported
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	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:	19721001	Welldepth:	36
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

	Feet below	Feet to
Date	Surface	Sealevel

-----  
 1972-10-01    14.00

**A3**  
**ESE**      **FED USGS**      **USGS40000904247**  
**1/8 - 1/4 Mile**  
**Higher**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Org. Identifier:	USGS-ND		
Formal name:	USGS North Dakota Water Science Center		
Monloc Identifier:	USGS-461602100140101		
Monloc name:	132-076-07DAB		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	10130104	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	46.2672123
Longitude:	-100.2340027	Sourcemap scale:	Not Reported
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	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:	19340101	Welldepth:	30
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
-----		
1959-05-01	20.00	

4

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

**ND WELLS ND5000000005863**

Site index:	26449	Location:	13207607CAA
Swc well n:	Not Reported	County:	Emmons
Basin:	Beaver Creek	Aquifer:	outwash
Purpose:	Stock Well	Casing:	Unknown
Diameter:	8	Measuring :	0
Land surfa:	0	Elev type:	Not Reported
Date drill:	10/01/1972	Total dept:	0
Bedrock de:	0	Top screen:	0
Bottom scr:	36	Longitude:	-100.24341468202
Latitude:	46.2680477421715	Site id:	ND5000000005863

B5

**SE**  
1/4 - 1/2 Mile  
Lower

**ND WELLS ND5000000005836**

Site index:	5575	Location:	13207607DAD
Swc well n:	Not Reported	County:	Emmons
Basin:	Beaver Creek	Aquifer:	Unnamed
Purpose:	Production Well	Casing:	Unknown
Diameter:	8	Measuring :	0
Land surfa:	0	Elev type:	Not Reported
Date drill:	01/01/1960	Total dept:	0
Bedrock de:	0	Top screen:	62
Bottom scr:	72	Longitude:	-100.233957663071
Latitude:	46.2662407935031	Site id:	ND5000000005836

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**B6**  
**SE**  
**1/4 - 1/2 Mile**  
**Lower**

**ND WELLS      ND5000000005837**

Site index:	16250	Location:	13207607DAD2
Swc well n:	Not Reported	County:	Emmons
Basin:	Beaver Creek	Aquifer:	Unnamed
Purpose:	Municipal Well	Casing:	Steel
Diameter:	10	Measuring :	1720
Land surfa:	1720	Elev type:	Elevation Derived from Topo Map
Date drill:	11/23/1993	Total dept:	82
Bedrock de:	75.5	Top screen:	55.6
Bottom scr:	75.6	Longitude:	-100.233957663071
Latitude:	46.2662407935031	Site id:	ND5000000005837

**B7**  
**SE**  
**1/4 - 1/2 Mile**  
**Lower**

**FED USGS      USGS40000904228**

Org. Identifier:	USGS-ND		
Formal name:	USGS North Dakota Water Science Center		
Monloc Identifier:	USGS-461558100140001		
Monloc name:	132-076-07DAD		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	10130104	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	46.2661012
Longitude:	-100.233725	Sourcemap scale:	Not Reported
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	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:	19600101	Welldepth:	72
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

**A8**  
**ESE**  
**1/4 - 1/2 Mile**  
**Lower**

**FRDS PWS      ND1500571**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pwsid:	ND1500571	Epa region:	08
State:	ND	County:	Emmons
Pws name:	LINTON CITY OF		
Population Served:	1321	Pwssvconn:	725
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Local_Govt
Facility id:	10840		
Facility name:	WELL 1 NORTH		
Facility type:	Well	Treatment process:	fluoridation
Treatment objective:	other		
Contact name:	JANGULA, ESTHER		
Original name:	JANGULA, ESTHER		
Contact phone:	701-254-4460	Contact address1:	PO BOX 57
Contact address2:	Not Reported		
Contact city:	LINTON		
Contact zip:	58552		
Facility id:	1467		
Facility name:	WELL 2		
Facility type:	Well	Treatment process:	fluoridation
Treatment objective:	other		
Facility id:	1744		
Facility name:	WELL 3		
Facility type:	Well	Treatment process:	fluoridation
Treatment objective:	other		
Facility id:	1943		
Facility name:	WELL 5		
Facility type:	Well	Treatment process:	fluoridation
Treatment objective:	other		
Facility id:	1981		
Facility name:	WELL #1 WEST		
Facility type:	Well	Treatment process:	fluoridation
Treatment objective:	other		
Facility id:	2326		
Facility name:	FIRE HALL		
Facility type:	Sampling_station	Treatment process:	fluoridation
Treatment objective:	other		
Facility id:	3082		
Facility name:	PLANT_002_003_005_006_007		
Facility type:	Treatment_plant	Treatment process:	fluoridation
Treatment objective:	other		
Facility id:	3545		
Facility name:	LINTON CITY OF		
Facility type:	Distribution_system_zone	Treatment process:	fluoridation
Treatment objective:	other		
Facility id:	4351		
Facility name:	WELL 6		
Facility type:	Well	Treatment process:	fluoridation
Treatment objective:	other		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Facility id:	10840		
Facility name:	WELL 1 NORTH		
Facility type:	Well	Treatment process:	hypochlorination, post
Treatment objective:	disinfection		
Facility id:	1467		
Facility name:	WELL 2		
Facility type:	Well	Treatment process:	hypochlorination, post
Treatment objective:	disinfection		
Facility id:	1744		
Facility name:	WELL 3		
Facility type:	Well	Treatment process:	hypochlorination, post
Treatment objective:	disinfection		
Facility id:	1943		
Facility name:	WELL 5		
Facility type:	Well	Treatment process:	hypochlorination, post
Treatment objective:	disinfection		
Facility id:	1981		
Facility name:	WELL #1 WEST		
Facility type:	Well	Treatment process:	hypochlorination, post
Treatment objective:	disinfection		
Facility id:	2326		
Facility name:	FIRE HALL		
Facility type:	Sampling_station	Treatment process:	hypochlorination, post
Treatment objective:	disinfection		
Facility id:	3082		
Facility name:	PLANT_002_003_005_006_007		
Facility type:	Treatment_plant	Treatment process:	hypochlorination, post
Treatment objective:	disinfection		
Facility id:	3545		
Facility name:	LINTON CITY OF		
Facility type:	Distribution_system_zone	Treatment process:	hypochlorination, post
Treatment objective:	disinfection		
Facility id:	4351		
Facility name:	WELL 6		
Facility type:	Well	Treatment process:	hypochlorination, post
Treatment objective:	disinfection		
Facility id:	10840		
Facility name:	WELL 1 NORTH		
Facility type:	Well	Treatment process:	sequestration
Treatment objective:	corrosion control		
Facility id:	1467		
Facility name:	WELL 2		
Facility type:	Well	Treatment process:	sequestration
Treatment objective:	corrosion control		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Facility id: 1744  
 Facility name: WELL 3  
 Facility type: Well Treatment process: sequestration  
 Treatment objective: corrosion control

Facility id: 1943  
 Facility name: WELL 5  
 Facility type: Well Treatment process: sequestration  
 Treatment objective: corrosion control

Facility id: 1981  
 Facility name: WELL #1 WEST  
 Facility type: Well Treatment process: sequestration  
 Treatment objective: corrosion control

Facility id: 2326  
 Facility name: FIRE HALL  
 Facility type: Sampling\_station Treatment process: sequestration  
 Treatment objective: corrosion control

Facility id: 3082  
 Facility name: PLANT\_002\_003\_005\_006\_007  
 Facility type: Treatment\_plant Treatment process: sequestration  
 Treatment objective: corrosion control

Facility id: 3545  
 Facility name: LINTON CITY OF  
 Facility type: Distribution\_system\_zone Treatment process: sequestration  
 Treatment objective: corrosion control

Facility id: 4351  
 Facility name: WELL 6  
 Facility type: Well Treatment process: sequestration  
 Treatment objective: corrosion control

PWS ID: ND1500571  
 Date Initiated: Not Reported Date Deactivated: Not Reported  
 PWS Name: LINTON CITY OF  
 LINTON, ND 58552

Addressee / Facility: Operator  
 C/O ROBERT F JOB WWS  
 PO BOX 57  
 LINTON, ND 58552

Addressee / Facility: System Owner/Responsible Party  
 MAYOR AND CITY COUNCIL  
 PO BOX 57  
 C/O HOWARD RAU AUD  
 LINTON, ND 58552

Facility Latitude: 46 16 00 Facility Longitude: 100 13 57  
 City Served: Not Reported  
 Treatment Class: Treated Population: 1410

Violations information not reported.

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

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

**FED USGS      USGS40000904186**

Org. Identifier:	USGS-ND		
Formal name:	USGS North Dakota Water Science Center		
Monloc Identifier:	USGS-461551100135501		
Monloc name:	132-076-08CCB1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	10130104	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	46.2641567
Longitude:	-100.232336	Sourcemap scale:	Not Reported
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	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:	Not Reported	Welldepth:	72
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

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

**FED USGS      USGS40000904187**

Org. Identifier:	USGS-ND		
Formal name:	USGS North Dakota Water Science Center		
Monloc Identifier:	USGS-461551100135502		
Monloc name:	132-076-08CCB2		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	10130104	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	46.2641567
Longitude:	-100.232336	Sourcemap scale:	Not Reported
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	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		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	72
Construction date:	19660101	Wellholedepth:	Not Reported
Welldepth units:	ft		
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

**C11  
SE  
1/4 - 1/2 Mile  
Higher**

**ND WELLS      ND5000000005801**

Site index:	5576	Location:	13207608CCB1
Swc well n:	Not Reported	County:	Emmons
Basin:	Beaver Creek	Aquifer:	Unnamed
Purpose:	Production Well	Casing:	Unknown
Diameter:	8	Measuring :	0
Land surfa:	0	Elev type:	Not Reported
Date drill:	00/00/00	Total dept:	0
Bedrock de:	0	Top screen:	52
Bottom scr:	72	Longitude:	-100.231475926201
Latitude:	46.2643757680315	Site id:	ND5000000005801

**12  
West  
1/2 - 1 Mile  
Lower**

**FED USGS      USGS40000904296**

Org. Identifier:	USGS-ND		
Formal name:	USGS North Dakota Water Science Center		
Monloc Identifier:	USGS-461609100145601		
Monloc name:	132-076-07BCC		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	10130104	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	46.269157
Longitude:	-100.2492808	Sourcemap scale:	Not Reported
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	1693
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Altimeter		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19571001	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	42
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

**13  
SSE  
1/2 - 1 Mile  
Lower**

**ND WELLS      ND5000000005722**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Site index:	26455	Location:	13207618AAA
Swc well n:	Not Reported	County:	Emmons
Basin:	Beaver Creek	Aquifer:	Undefined
Purpose:	Domestic Well	Casing:	Unknown
Diameter:	24	Measuring :	0
Land surfa:	0	Elev type:	Not Reported
Date drill:	08/01/1973	Total dept:	0
Bedrock de:	0	Top screen:	29
Bottom scr:	35	Longitude:	-100.234007947925
Latitude:	46.2608005117948	Site id:	ND5000000005722

**14**  
**WNW**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS      USGS40000904376**

Org. Identifier:	USGS-ND		
Formal name:	USGS North Dakota Water Science Center		
Monloc Identifier:	USGS-461622100145601		
Monloc name:	132-076-07BBC		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	10130104	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	46.2727681
Longitude:	-100.2492808	Sourcemap scale:	Not Reported
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	1820
Vert measure units:	feet	Vertacc measure val:	1
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Lower Cretaceous aquifers		
Formation type:	Dakota Group or Formation or Aquifer		
Aquifer type:	Not Reported		
Construction date:	1972	Welldepth:	2507
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

	Feet below	Feet to
Date	Surface	Sealevel
-----		

1972-09

Note: The site was flowing, but the head could not be measured without additional equipment.

**15**  
**West**  
**1/2 - 1 Mile**  
**Lower**

**ND WELLS      ND5000000005934**

Site index:	26448	Location:	13207607BCC
Swc well n:	1233	County:	Emmons
Basin:	Beaver Creek	Aquifer:	No Obs Well Installed
Purpose:	Test Hole	Casing:	None
Diameter:	0	Measuring :	0
Land surfa:	1693	Elev type:	Elevation Derived from Topo Map
Date drill:	10/01/1957	Total dept:	42
Bedrock de:	0	Top screen:	0
Bottom scr:	0	Longitude:	-100.250523582201
Latitude:	46.2698542368535	Site id:	ND5000000005934

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

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

**ND WELLS      ND5000000005864**

Site index:	13695	Location:	13207607CBB
Swc well n:	Not Reported	County:	Emmons
Basin:	Beaver Creek	Aquifer:	Surface Water
Purpose:	Surface Water Monitoring Site	Casing:	Not Reported
Diameter:	0	Measuring :	0
Land surfa:	0	Elev type:	Not Reported
Date drill:	00/00/00	Total dept:	0
Bedrock de:	0	Top screen:	0
Bottom scr:	0	Longitude:	-100.250523936978
Latitude:	46.2680499127721	Site id:	ND5000000005864

**D17**  
**SSE**  
**1/2 - 1 Mile**  
**Lower**

**ND WELLS      ND5000000005720**

Site index:	26451	Location:	13207617BBB
Swc well n:	1225	County:	Emmons
Basin:	Beaver Creek	Aquifer:	No Obs Well Installed
Purpose:	Test Hole	Casing:	None
Diameter:	0	Measuring :	0
Land surfa:	1700	Elev type:	Elevation Derived from Topo Map
Date drill:	10/01/1957	Total dept:	63
Bedrock de:	0	Top screen:	0
Bottom scr:	0	Longitude:	-100.231517431347
Latitude:	46.2607672137331	Site id:	ND5000000005720

**18**  
**WNW**  
**1/2 - 1 Mile**  
**Higher**

**ND WELLS      ND5000000005970**

Site index:	5574	Location:	13207607BBC
Swc well n:	Not Reported	County:	Emmons
Basin:	Beaver Creek	Aquifer:	Dakota Group
Purpose:	Domestic Well	Casing:	Unknown
Diameter:	2	Measuring :	1820
Land surfa:	1820	Elev type:	Elevation Derived from Topo Map
Date drill:	01/01/1972	Total dept:	0
Bedrock de:	0	Top screen:	2374
Bottom scr:	2507	Longitude:	-100.250518930798
Latitude:	46.2734601341488	Site id:	ND5000000005970

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

**FED USGS      USGS40000904070**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Org. Identifier:	USGS-ND		
Formal name:	USGS North Dakota Water Science Center		
Monloc Identifier:	USGS-461536100135201		
Monloc name:	132-076-18AAA		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	10130104	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	46.25999
Longitude:	-100.2315027	Sourcemap scale:	Not Reported
Horiz Acc measure:	1	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:	19730822	Welldepth:	35
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

**20  
SE  
1/2 - 1 Mile  
Lower**

**FED USGS      USGS40000904069**

Org. Identifier:	USGS-ND		
Formal name:	USGS North Dakota Water Science Center		
Monloc Identifier:	USGS-461536100134201		
Monloc name:	132-076-17BBB		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	10130104	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	46.25999
Longitude:	-100.2287249	Sourcemap scale:	Not Reported
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	1700
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Altimeter		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19571001	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	63
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**21**  
**NE**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS      USGS40000904443**

Org. Identifier:	USGS-ND		
Formal name:	USGS North Dakota Water Science Center		
Monloc Identifier:	USGS-461641100134201		
Monloc name:	132-076-05CCB		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	10130104	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	46.2780455
Longitude:	-100.2287247	Sourcemap scale:	Not Reported
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	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:	19510101	Welldepth:	65
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

**22**  
**NNW**  
**1/2 - 1 Mile**  
**Higher**

**ND WELLS      ND5000000006038**

Site index:	26447	Location:	13207606CAA
Swc well n:	1245	County:	Emmons
Basin:	Beaver Creek	Aquifer:	No Obs Well Installed
Purpose:	Test Hole	Casing:	None
Diameter:	0	Measuring :	0
Land surfa:	1733	Elev type:	Elevation Derived from Topo Map
Date drill:	10/01/1957	Total dept:	21
Bedrock de:	0	Top screen:	0
Bottom scr:	0	Longitude:	-100.243424220446
Latitude:	46.2794550485849	Site id:	ND5000000006038

**E23**  
**SSE**  
**1/2 - 1 Mile**  
**Lower**

**ND WELLS      ND5000000005678**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Site index:	26452	Location:	13207617BBD
Swc well n:	8122	County:	Emmons
Basin:	Beaver Creek	Aquifer:	No Obs Well Installed
Purpose:	Test Hole	Casing:	None
Diameter:	0	Measuring :	0
Land surfa:	1705	Elev type:	Elevation Derived from Topo Map
Date drill:	09/09/1971	Total dept:	80
Bedrock de:	72	Top screen:	0
Bottom scr:	0	Longitude:	-100.228901520385
Latitude:	46.2589210078286	Site id:	ND5000000005678

**E24  
SSE  
1/2 - 1 Mile  
Lower**

**FED USGS      USGS40000904047**

Org. Identifier:	USGS-ND		
Formal name:	USGS North Dakota Water Science Center		
Monloc Identifier:	USGS-461530100134101		
Monloc name:	132-076-17BBD		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	10130104	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	46.2583233
Longitude:	-100.2284471	Sourcemap scale:	Not Reported
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	1705
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Altimeter		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19710901	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	80
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

**25  
NNW  
1/2 - 1 Mile  
Higher**

**FED USGS      USGS40000904528**

Org. Identifier:	USGS-ND		
Formal name:	USGS North Dakota Water Science Center		
Monloc Identifier:	USGS-461654100142901		
Monloc name:	132-076-06CAA		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	10130104	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	46.2816569
Longitude:	-100.2417805	Sourcemap scale:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	1733
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Altimeter		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19570101	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	21
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

**26**  
**WNW**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS40000904377**

Org. Identifier:	USGS-ND		
Formal name:	USGS North Dakota Water Science Center		
Monloc Identifier:	USGS-461622100152501		
Monloc name:	132-077-12ABD		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	10130104	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	46.2727682
Longitude:	-100.2573365	Sourcemap scale:	Not Reported
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	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:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

	Feet below	Feet to
Date	Surface	Sealevel
-----		
1973-08	15	

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

**ND WELLS      ND5000000006124**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Site index:	26445	Location:	13207606ABB
Swc well n:	Not Reported	County:	Emmons
Basin:	Beaver Creek	Aquifer:	No Obs Well Installed
Purpose:	Test Hole	Casing:	None
Diameter:	0	Measuring :	0
Land surfa:	1755	Elev type:	Elevation Derived from Topo Map
Date drill:	00/00/00	Total dept:	150
Bedrock de:	0	Top screen:	0
Bottom scr:	0	Longitude:	-100.241041419375
Latitude:	46.2832036112087	Site id:	ND5000000006124

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## 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	8	7.03	5.21	75.0	0.0
school	48	1.40	1.28	6.3	0.0
home	9	8.2	7.0	66.7	11.1
daycare	15	4.01	1.80	33.3	0.0
cluster	4	6.48	1.90	75.0	0.0

Federal EPA Radon Zone for EMMONS 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: 58552

Number of sites tested: 7

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	8.200 pCi/L	0%	100%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	8.214 pCi/L	43%	43%	14%

# 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.

### Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

## HYDROLOGIC INFORMATION

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

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

## 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 Services

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 Services (NRCS)

Telephone: 800-672-5559

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

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

### STREET AND ADDRESS INFORMATION

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**APPENDIX H**  
**RESUMES/CERTIFICATIONS**

**John S. Spilman, CSP, CHMM, CMI**  
**Sr. Environmental Engineer / Sr. Industrial Hygienist**  
**Blacktrail Environmental, Inc.**

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### **Experience Summary**

John has over 25 years of experience as an environmental scientist/engineer, industrial hygienist, and safety consultant. Specific areas of focus include industrial hygiene, health and safety consulting, asbestos management, indoor air quality surveys, OSHA monitoring and compliance, Phase I and II environmental site assessments, Brownfields cleanup projects, environmental assessments, environmental impact statements, underground storage tank management and removal, mold sampling and abatement, PPE consultation, and LBP testing and abatement.

### **Employment History**

**Senior Environmental Engineer**, Blacktrail Environmental, Inc., Bismarck, ND (2013)  
**Senior Environmental Scientist**, Carlson McCain, Inc., Bismarck, ND (2008-2013)  
**Director of Environmental Programs**, Earthworks, Inc., Bismarck, ND (2005 - 2008)  
**Principal / Environmental Health & Safety Director**, Keitu Engineers, Mandan, ND (2001-2005)  
**Due Diligence Department Manager**, ATC Associates, Inc., Chicago, IL (2000-2001)  
**Operations Manager / Senior Environmental Engineer**, The SI Group, Chicago, IL (1997-2000)  
**Project Manager / National Client Manager**, IT Corporation, Chicago, IL (1995-1997)  
**Senior Project Manager**, Smith Environmental Technologies, Chicago, IL (1995-1995)  
**Project/Environmental Scientist**, Environmental Design International, Chicago, IL (1994- 1995)  
**Environmental Scientist**, ATC Environmental/ Braun Intertech, Denver/Bismarck (1988-1994)

### **Areas of Expertise**

- OSHA Compliance
- Asbestos management
- Phase I environmental site assessments
- Phase II subsurface investigations
- Brownfields cleanup projects
- Environmental Assessments
- Environmental Impact Statements
- Subsurface delineation studies
- Corrective action plans
- Underground storage tank (UST) removal, management, and permitting
- NEPA compliance
- Spill prevention control and countermeasure (SPCC) plans
- Health & safety programs/plans for heavy industrial companies

### **Relevant Experience**

**Tesoro Refining and Marketing, Inc.** – Project manager for on-going OSHA compliance for chemical and noise exposure at the Mandan, North Dakota refinery. Project includes identification of hazards, sampling protocols, sampling techniques, reporting, and recommendations for mitigation of hazards. Sole safety consultant for Tesoro during their 2010 turnaround activities.

## John S. Spilman (cont.)

**Zurich Insurance of North America** – Performed over 200 insurance investigations for liability and risk in over 25 states regarding spills, leaking underground storage tanks, safety analysis, and industrial hygiene accidents. Investigations included reviews of environmental cleanup reports and budgets.

**Fort Peck Office of Environmental Protection** – Senior project manager for a Brownfields cleanup project including compiling a sampling analysis plan (SAP), quality assurance project plan (QAPP), and health and safety plan; field sampling and final reporting with cleanup options for an unknown sludge pit in Poplar, Montana. Project was supervised by the U.S. Environmental Protection Agency.

**Turtle Mountain Environmental Protection Agency** - Senior project manager for a Brownfields cleanup project including compiling a sampling analysis plan (SAP), quality assurance project plan (QAPP), and health and safety plan; field sampling and final reporting with cleanup options for previous tuberculosis sanitarium in San Haven, North Dakota. Project included addressing sewage lagoons, artesian wells, leaking underground storage tanks, abandoned landfill, PCB contamination, asbestos, and lead paint. Project was supervised by the U.S. Environmental Protection Agency.

**Standing Rock Sioux Tribe / Environmental Protection Agency** - Senior project manager for a Brownfields cleanup project including compiling a sampling analysis plan (SAP), quality assurance project plan (QAPP), and health and safety plan with cleanup options for abandoned industrial plant in Selfridge, North Dakota. Project was supervised by the U.S. Environmental Protection Agency.

**Standing Rock Sioux Tribe / Environmental Protection Agency** - Senior project manager for a Brownfields cleanup project including preparation of three Phase I environmental site assessments for an abandoned water plant, office building, high school building, and industrial plant in Fort Yates, ND, Wakpala, SD, and Selfridge, ND. Project was supervised by the U.S. Environmental Protection Agency.

**City of Shelby, Montana** - Senior project manager for a Brownfields cleanup project including compiling a sampling analysis plan (SAP), quality assurance project plan (QAPP), and health and safety plan with cleanup options; specifications for asbestos and lead paint abatement, project oversight, and final reporting for a middle school in Shelby, Montana. Project was supervised by the U.S. Environmental Protection Agency.

**Rainbow Energy, Inc.** – Compiled 20 spill prevention, control, and countermeasure (SPCC) plans located in the Williston Basin of North Dakota. The SPCC plans were prepared in compliance with 40 CFR 112. The plans were prepared to prevent discharge of oil into nearby waters.

**Missouri Basin Well Service** – Compiled 15 spill prevention, control, and countermeasure (SPCC) plans located in the Williston Basin of North Dakota. The SPCC plans were prepared in compliance with 40 CFR 112. The plans were prepared to prevent discharge of oil into nearby waters.

## John S. Spilman (cont.)

**Marathon Oil Company** – Spill prevention consultant and project manager for over 200 spill prevention, control, and countermeasure (SPCC) plans located in the Williston/Bakken Basin of North Dakota. The SPCC plans were prepared in compliance with 40 CFR 112. The plans were prepared to prevent discharge of oil into nearby waters.

**Standing Rock Housing Authority** – Senior project manager for an asbestos surveys, lead-based paint (LBP) surveys, mold inspections, and radon testing for approximately 64 units/buildings in Cannon Ball and Fort Yates, North Dakota, and McLaughlin, South Dakota. Project included compiling asbestos abatement specifications, LBP work plans, operation and maintenance (O&M) plans for asbestos, LBP, and mold.

**Turtle Mountain Housing Authority** – Project manager for an asbestos survey, lead-based paint survey, mold inspection, and radon testing for approximately 25 buildings in Belcourt and Dunseith, North Dakota. Project included remediation options for identified hazards, compiling asbestos abatement specifications, LBP work plans, operation and maintenance (O&M) plans for asbestos, LBP, and mold.

**Fort Berthold Housing Authority** – Project manager for an asbestos survey, lead-based paint survey, mold inspection, and radon testing for approximately 16 buildings in Parshall, Mandaree, and White Shield, North Dakota. Project included remediation options for identified hazards. Project included compiling asbestos abatement specifications, LBP work plans, operation and maintenance (O&M) plans for asbestos, LBP, and mold.

**U.S. Corps of Engineers** - Sr. Project Manager for an asbestos management project including asbestos sampling, reporting, compiling asbestos abatement specifications, bidding, and final reporting for 10 buildings in the Fort Buford area of North Dakota.

**U.S. Corps of Engineers** - Sr. Project Manager for the sampling and reporting in 2004 for the Long-Term Monitoring (LTM) of the Sanitary Landfill-02 (LF-02), the Bulk Petroleum, Oils, and Lubricants (POL) Storage Area (SS-09), and the Mass Parking Apron (AOC-B) field work activities at Minot Air Force Base, Minot, North Dakota. The LTM was performed in accordance with the Scope of Services provided by the U.S. Army Corps of Engineers (USACE) Contract.

**Martin Marietta** - Consultant for OSHA compliance for asbestos, lead-based paint, chemical exposure, and noise monitoring at the Waterton, Colorado manufacturing plant. Projects included identification of hazards, sampling methodology and protocols, sampling techniques, reporting, management oversight, and written recommendations for mitigation of hazards.

**Shaw Air Force Base** - Managed the remedial design and implemented the full scale design of a groundwater extraction and treatment system, bioremediation (bio-sparge) system, and vacuum enhanced pumping (bio-slurper) system at Shaw Air Force Base, Sumter, North Carolina. The presence and extent of JP-4 (jet fuel) contamination has impacted a multi-aquifer system. The system design was determined and calculated from various groundwater and soil vapor extraction pilot studies. A corrective action plan, design calculations, design specifications, and the final remediation system design was prepared for the project.

## John S. Spilman (cont.)

**Former Solvent Processing Facility** - Designed and supervised the operation of a bio-venting pilot study system for a confidential client at a former solvent processing facility in Belvidere, New Jersey. Implemented bio-venting protocol to design the system for the U.S. Air Force. Project included an in-situ respiratory test (tracer gas study) and collection of soil moisture data. Evaluated pilot study data using "Hyper-Ventilate" decision support software and prepared final report.

**Minot Air Force Base and Ellsworth Air Force Base** - Managed a lead paint survey using a X-Ray Fluorescence (XRF) device to identify lead-based paint in several areas of the Air Force Bases. Studies were performed in conjunction with TCLP analysis of lead-based paint construction debris.

**Ellsworth, Grand Forks, and Minot Air Force Bases** - Performed project management and air sampling to abate asbestos from several buildings located at the facility. Duties and responsibilities included project specifications and design, and NESHAPS and OSHA air monitoring. Several separate projects from 1990 – 1993.

**Fitzsimmons Army Medical Center** - Part of the BRAC Cleanup Team to complete several asbestos abatement projects that included project design to abate friable asbestos-containing materials that were a potential health hazard, and lead-based paint studies to identify and remove paint from buildings. Several separate projects from 1988 – 1990.

**U.S. Army Reserve, Bismarck, North Dakota** - Project management for the removal of lead contamination within the rifle range located at the facility. Prepared project specifications and conducted air sampling and clearance lead testing (i.e., wipes) for the project; 1992.

**U.S. Air Force Academy** - Completed several asbestos abatement projects that included project design to abate friable asbestos-containing materials that were a potential health hazard, and lead-based paint studies to identify LBP in buildings. Several separate projects from 1988 – 1990.

**Various Clients** – Conducted several soil vapor extraction and groundwater extraction pilot programs in the Chicago-land area followed by design, specification, installation, start up, troubleshooting, and operation of the following groundwater and soil remedial systems:

- Groundwater Extraction – Single and multiple recovery wells and also interceptor trench methods. Pumping systems included submersible, surface-mounted electric, surface mounted pneumatic and down-well pneumatic configurations. Systems were integrated with mechanical or remotely monitored control systems.
- Groundwater Treatment – Activated carbon, low profile air stripping, packed tower air stripping, aeration tanks, bioreactors, vacuum enhanced pumping, and air sparging systems.
- Instrumentation – Data loggers, PCs, and remote monitoring equipment.
- Soil Treatment – Soil vapor extraction, above-ground cell vacuum extraction, thermal treatment and incineration systems.
- Vapor Treatment – Catalytic and thermal oxidation and activated carbon systems.

## John S. Spilman (cont.)

- **Passive Vapor Recovery** – Soil vapor extraction (SVE) and bioventing corrective action systems needed to address remediation of unsaturated zone soils as a source of contamination as a remediation process.

**Sam Zell Industries** – Performed over 80 Phase I environmental site assessments (ESA) throughout the United States. Most of the Phase I ESAs were industrial properties in Illinois, Michigan, Indiana, California, and Wisconsin. The assessments were performed to identify environmental liabilities before an acquisition by the client.

**Century Motors** - Conducted a subsurface environmental site investigation and prepared and implemented a corrective action plan for the former Century Motors automobile dealership in Mandan, North Dakota. The site was investigated because of contamination to soil and groundwater by petroleum and chemical compounds over a period of 45 years. The project is still on-going with annual groundwater sampling.

**Cenex** - Conducted a subsurface environmental site investigation and prepared and implemented a corrective action plan for a fertilizer plant and an anhydrous ammonia plant in Rolla, North Dakota. The fertilizer plant was constructed in 1966 and the anhydrous ammonia plant was constructed in 1900. This project was of a particular concern because the City of Rolla utilizes the groundwater for public drinking. Significant levels of nitrogen were identified in the soils and groundwater of both site properties. Remediation activities are still on-going.

**Various Clients** - Prepared corrective action plans for several former and operating retail gasoline dispensing facilities with soil and groundwater contamination due to leaking underground storage tanks in the Upper Midwest (North Dakota, Illinois, Michigan, and Colorado). Designed and implemented groundwater and soil vapor extraction projects which determined specific characteristics of the soil, groundwater, and the geology of the sites. Prepared full scale design and documentation for site remediation and implemented new innovative technologies for the remediation of several of these sites.

**Riverdale Chemical** - Riverdale Chemical Co. is a company that is recognized as a leader and innovator in the formulation of herbicide products for agricultural use, professional use on turf and ornamental sites, industrial vegetation management and homeowner use on lawns and gardens. In 1984 Riverdale Chemical Company and the USEPA signed an Administrative Order by Consent for Immediate Remedial Measures because of soil and groundwater contamination from production of fertilizer compounds. The final Remedial Investigation (RI) report was prepared in accordance with the manual entitled, "Superfund Public Health Evaluation Manual" (PHE; October 1986). The PHE upper bound values for carcinogenic and non-carcinogenic risk were used in determining the extent of the remediation defined in the final 1988 feasibility study. Remediation activities were implemented in the years following the USEPA acceptance of the final RI and the feasibility study.

**INX International Ink** - Prepared and implemented a corrective action plan for soil and groundwater contamination at an ink manufacturing facility in Kalamazoo, Michigan. The corrective actions included the use of several types of remediation activities including soil vapor extraction/air sparging using Hyperventilate™ decision support software, and the operation of a carbon adsorption-groundwater treating system.

## John S. Spilman (cont.)

**BP Amoco Chemical Company Landfill** - An active chemical manufacturing facility located on approximately 750 acres of land in a semi-rural industrial/agricultural area of Illinois has been in continuous operation since approximately 1958, manufacturing purified isophthalic acid, trimellitic anhydride, maleic anhydride, and polystyrene. The manufacturing wastes generated by the facility were contained in thin-wall, rust away drums and disposed in two landfills on the property and closed in the mid 1970s. The closed landfill areas cover approximately 26 acres. The contents of the landfills include approximately 5,900,000 cubic feet (218,518 cubic yards) of wastes, some in 55-gallon drums, including organics, inorganics, heavy metals, acids, and general plant refuse. Work performed included managing the disposal of toxic solid wastes (isophthalic, terephthalic, benzoic, etc.). Evidence that some hazardous wastes were disposed in the landfills, all landfill contents were assumed to be hazardous wastes, as defined by RCRA.

## Education

A.S. Hazardous Materials Management, May 1991  
Front Range College - Westminster, Colorado

B.S. Electrical and Electronics Engineering, August 1988  
North Dakota State University - Fargo, North Dakota

## Memberships

- North Dakota Society of Professional Engineers (NDSPE)
- NDSPE - Previous President/President-Elect/VP/Secretary/Treasurer – 2002-2007
- American Society of Safety Engineers
- American Industrial Hygiene Association
- Institute of Hazardous Materials Managers
- Institute of Certified Safety Professionals

## Certifications

- Certified Safety Professional #13474 (1995-present)
- Certified Hazardous Materials Manager, Master Level #8452 (1997-present)
- Certified Hazardous Materials Technologist (1991-present)
- EPA-Based Indoor Air Quality Inspector (1993-present)
- Certified Mold Inspector (1993-present)
- NIOSH 582 Equivalent Course for Analyzing Asbestos Air Samples (1989-present)
- 40-Hour OSHA Hazardous Waste Management (8-Hr Refresher – 1-17-2013)
- OSHA 10-Hour Safety Training (2-22-2011)
- First Aid and CPR (11-19-2012)

## Licenses

- Asbestos Building Inspector
- Asbestos Project Designer (ND; recently SD and MT)
- Air Sampling Professional (ND; recently SD and MT)

**APPENDIX I**  
**TERMINOLOGY**

## TERMINOLOGY

The following provides definitions and descriptions of certain terms that may be used in this report. **Bold** indicate terms that are defined by ASTM Standard Practice E 1527. The Standard Practice should be referenced for further detail (such as the precise wording), related definitions or additional explanation regarding the meaning of terms.

**Abandoned Property** – *property* that can be presumed to be deserted, or an intent to relinquish possession or control can be inferred from the general disrepair or lack of activity thereon such that a reasonable person could believe that there was an intent on the part of the current owner to surrender rights to the *property*.

**Activity and use limitations** – legal or physical restrictions or limitations on the use of, or access to, a site or facility: (1) to reduce or eliminate potential exposure to hazardous substances in the soil or groundwater on the property, or (2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment. These legal or physical restrictions, which may include institutional and/or engineering controls, are intended to prevent adverse impacts to individuals or populations that may be exposed to hazardous substances and petroleum products in the soil or groundwater on the property.

**Actual knowledge** – the knowledge actually possessed by an individual who is a real person, rather than an entity. Actual knowledge is to be distinguished from constructive knowledge that is knowledge imputed to an individual or entity.

**Adjoining properties** – any real property or properties the border of which is contiguous or partially contiguous with that of the property, or that would be contiguous or partially contiguous with that of the property but for a street, road, or other public thoroughfare separating them.

**Aerial photographs** – photographs taken from an aerial platform with sufficient resolution to allow identification of development and activities of areas encompassing the property. Aerial photographs are often available from government agencies or private collections unique to a local area.

**All appropriate inquiry** – that inquiry constituting “all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice” as defined in CERCLA, 42 USC § 9601(35)(B), that will qualify a party to a commercial real estate transaction for § 9607(b)(3), §9607((q); and § 9607(r), assuming compliance with other elements of the defense.

**Approximate minimum search distance** – the area for which records must be obtained and reviewed pursuant to Section 8 subject to the limitations provided in that section. This may include areas outside the property and shall be measured from the nearest property boundary. This term is used in lieu of radius to include irregularly shaped properties.

**Asbestos-containing material (ACM)** – any material found to contain greater than 1% asbestos using an analytical method that is approved by the US EPA for asbestos analysis.

**Bona Fide prospective purchaser liability protection** – (42 U.S.C. §9607(r) – a person may qualify as a bona fide prospective purchaser if among other requirements, such person made “all appropriate inquiry into the previous ownership and uses of the facility in accordance with

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generally accepted good commercial and customary standards and practice.” Knowledge of contamination resulting from appropriate inquiry on or before the date of purchase. The facility must have been purchased after January 11<sup>th</sup>, 2002.

**Brownfields amendments** – amendments to CERCLA pursuant to the Small Business Liability Relief and Brownfields Revitalization Act, Pub. L. No. 107-118 (2002), 42 U.S.C. §§9601 *et seq.*

**Building department records** – those records of the local government in which the property is located indicating permission of the local government to construct, alter, or demolish improvements on the property. Often building department records are located in the building department of a municipality or county.

**Business environmental risk** – a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice. Consideration of business environmental risk issues may involve addressing one or more non-scope considerations, some of which are identified in Section 13 of the ASTM guidelines.

**Comprehensive Environmental Response, Compensation and Liability Information Systems (CERCLIS)** – the list of sites compiled by the EPA that EPA has investigated or is currently investigating for potential hazardous substance contamination for possible inclusion on the National Priorities List.

**Data Failure** – a failure to achieve the historical research objectives in 8.3.1 through 8.3.2.2 even after reviewing the standard historical sources in 8.3.4.1 through 8.3.4.8 that are reasonably ascertainable and likely to be useful. Data failure is one type of data gap.

***de minimis* conditions** – are conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

**Drum** – a container (typically, but not necessarily holding 55 gallons of liquid) that may be used to store hazardous substances or petroleum products

**Dry wells** – underground areas where soil has been removed and replaced with pea gravel, coarse sand, or large rocks. Dry wells are used for drainage, to control storm water runoff, for the collection of spilled liquids (intentional and non-intentional) and wastewater disposal (often illegal).

**Due diligence** – the process of inquiring into the environmental characteristics of a parcel of commercial real estate or other conditions, usually in connection with a commercial real estate transaction. The degree and kind of due diligence vary for different properties and differing purposes.

**Dwelling** – structure or portion thereof used for residential habitation.

**Environmental compliance audit** – the investigative process to determine if the operations of an existing facility are in compliance with applicable environmental laws and regulations. This term should not be used to describe Practice E 1528 or 1527, although an environmental

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compliance audit may include an *environmental site assessment* or, if prior audits are available, may be part of an environmental site assessment.

**Environmental professional** – (1) a person who possesses sufficient specific education, training and experience necessary to exercise professional judgment to develop opinions and conclusions regarding conditions indicative of release or threatened release (see §312.1©), on, at, in, or to a property, sufficient to meet the objectives and performance factors in §312.20(e) and (f). (2) Such a person must” (i) hold a current Professional Engineer’s or Professional Geologist’s license or registration from a state, tribe, or US territory and have the equivalent of three (3) years of fulltime relevant experience; or (ii) be licensed or certified by the federal government, a state, tribe, or US territory to perform environmental inquires as defined in §312.21 and have the equivalent or three (3) years of full-time relevant experience; or (iii) have a Baccalaureate or higher degree from an accredited institution of higher education in a discipline of engineering or science and the equivalent of five (5) years of full-time relevant experience; or (iv) have the equivalent of ten (10) year of full-time relevant experience. The person may be an independent contractor or an employee of the *user*.

**Environmental site assessment (ESA)** – the process by which a person or entity seeks to determine if a particular parcel of real *property* (including improvements) is subject to *recognized environmental conditions*. At the option of the user, an environmental site assessment may include more inquiry than that which constitutes *all appropriate inquiry* or, if the user is not concerned about qualifying for the LLPs, less inquiry than that constituting *all appropriate inquiry*. An environmental site assessment is different from an *environmental compliance audit*.

**Friable material** – defined in the National Emission Standards for Hazardous Air Pollutants (NESHAPs) as a material that can be pulverized or reduced to dust using hand pressure only.

**General risk of enforcement action** – the likelihood that an environmental condition would be subject to enforcement action if brought to the attention of appropriate governmental agencies. If the circumstances suggest an enforcement action would be more likely than not, then the condition is considered a general risk of enforcement action.

**Hazardous substance** – A substance defined as a hazardous substance pursuant to CERCLA 42 USC§9601(14), as interpreted by EPA regulations and the courts: “(A) any substance designated pursuant to section 1321(b)(2)(A) of Title 33, (B) any element, compound, mixture, solution, or substance designated pursuant to section 9602 of this title, (C) any hazardous waste having the characteristics identified under or listed pursuant to section 3001 of the Resource Conservation and Recovery Act of 1976 (RCRA), as amended, (42) USC § 6921)(but not including any waste the regulation of which under RCRA (42 USC §§ 6901 *et seq.*) has been suspended by Act of Congress), (D) any toxic pollutant listed under section 1317(a) of Title 33, (E) any hazardous air pollutant listed under section 112 of the Clean Air Act (42 USC § 7412), and (F) any imminently hazardous chemical substance or mixture with respect to which the Administrator (of EPA) has taken action pursuant to section 2606 of Title 15. The term does not include petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance under subparagraphs (A) through (F) of this paragraph, and the term does not include natural gas, natural gas liquids, liquefied natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas).

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**Hazardous waste** – any hazardous waste having the characteristics identified under or listed pursuant to section 3001 of RCRA, as amended, (42 USC § 6921)(but not including any waste the regulation of which under RCRA (42 USC §§ 6901-6992k.) has been suspended by Act of Congress). RCRA is sometimes also identified as the Solid Waste Disposal Act. RCRA defines a hazardous waste, in 42 USC § 6903, as: “a solid waste, or combination of solid wastes, which because of its quantity, concentration, or physical, chemical, or infectious characteristics may – (A) cause, or significantly contribute to an increase in mortality or an increase in serious irreversible, or incapacitating reversible illness; or (B) pose a substantial present or potential hazard to human health or the environment when improperly treated, stored, transported, or disposed of, or otherwise managed.”

**Historical recognized environmental condition** – environmental condition which in the past would have been considered a *recognized environmental condition*, but which may or may not be considered a *recognized environmental condition* currently. The final decision rests with the environmental professional and will be influenced by the current impact of the *historical recognized environmental condition* of the property. If a past release of any hazardous substances or petroleum products has occurred in connection with the property has been remediated, with such remediation accepted by the responsible regulatory agency (for example, as evidenced by the issuance of a “no further action letter” or equivalent), this condition shall be considered an *historical recognized environmental condition* and included in the findings section of the Phase I *Environmental Site Assessment* report. The environmental professional shall provide an opinion of the current impact on the property this *historical recognized environmental condition* in the opinion section of the report. If this *historical recognized environmental condition* is determined to be a recognized environmental condition at the time of the Phase I Environmental Site Assessment is conducted, the condition shall be identified as such and listed in the conclusions section of the report.

**Interviews** – those portions of this practice that are contained in Section 10 and 11 thereof and address questions to be asked of past and present owners, operators, and occupants of the property and question to be asked of local government officials.

**Historical recognized environmental condition(s) (HREC)** - environmental condition which in the past would have been considered a *recognized environmental condition*, but which may or may not be considered a *recognized environmental condition* currently. The final decision rests with the *environmental professional* and will be influenced by the current impact of the *historical recognized environmental condition* on the Site. If a past release of any *hazardous substances* or *petroleum products* has occurred in connection with the Site, with such remediation accepted by the responsible regulatory agency (for example, as evidenced by the issuance of a no further action letter or equivalent), this condition shall be considered a *historical recognized environmental condition*.

**Innocent landowner defense** – (42 USC § 9601(35) and § 9607(3)). A person may qualify as one of three types of innocent landowners: (i) a person who did not know and had no reason to know” that contamination existed on the property at the time the purchaser acquired the property; (ii) a government entity which acquired the property escheat, or through any other involuntary transfer or acquisition, or through the exercise of eminent domain authority by purchase or condemnation; and (iii) a person who acquired the facility by inheritance or bequest. To qualify for the first type of innocent landowner LLP, such person must have made all appropriate inquiry on or before the date of purchase. Furthermore, the all appropriate inquiry must not have resulted in knowledge of the contamination. If it does, then such person did

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“know” or “had a reason to know” of contamination and would not be eligible for the innocent landowner defense. See ASTM E 1527-05 Appendix XI for more information.

**Key site manager** – the person identified by the owner or operator of a property as having good knowledge of the uses and physical characteristics of the property.

**Material impact to public health or environment** – a substantial risk of harm to public health or the environment resulting from the presence or likely presence of an existing release, a past release, or a *material threat* of a release of any *hazardous substances* or *petroleum products* into structures on the Site or into the ground, ground water, or surface water of the Site. An example might include a release of a hazardous substance in concentrations exceeding applicable governmental agency standards under conditions that could reasonably and foreseeably result in substantial exposure to humans or substantial damage to natural resources. The risk of that exposure or damage would represent a material impact to public health or environment.

**Material threat** – a physically observable or obvious threat which is reasonably likely to lead to a release that, in the opinion of the *environmental professional*, is threatening and might result in impact to public health or the environment. An example might include an aboveground storage tank that contains a hazardous substance and which shows evidence of damage. The damage would represent a material threat if it is deemed serious enough that it may cause or contribute to tank integrity failure with a release of contents to the environment.

**Non-friable material** – defined in the National Emission Standards for Hazardous Air Pollutants (NESHAPs) as materials that *cannot* be pulverized or reduced to dust using hand pressure only. According to NESHAPs, non-friable building materials include those in Category I (packings, gaskets, resilient floor coverings/adhesives, and asphalt roofing materials) and those in Category II (all other materials).

**Pits, ponds, or lagoons** – man-made or natural depressions in a ground surface that are likely to hold liquids or sludge containing *hazardous substances* or *petroleum products*. The likelihood of such liquids or sludge being present is determined by evidence of factors associated with the pit, pond, or lagoon, including, but not limited to, discolored water, distressed vegetation, or the presence of an obvious wastewater discharge.

**Practically reviewable** – information that is *practically reviewable* means that the information is provided by the source in a manner and in a form that, upon examination, yields information relevant to the property without the need for extraordinary analysis or irrelevant data.

**Publicly available** – information that is publicly available means that the source of the information allow access to the information by anyone upon request.

**Recognized Environmental Condition(s) (REC)** - the presence or likely presence of any *hazardous substances* or *petroleum products* on a *property* under conditions that indicate an existing release, a past release, or a *material threat* of a release of any *hazardous substances* or *petroleum products* into structures on the Site or into the ground, ground water, or surface water of the Site. The term includes *hazardous substances* or *petroleum products* even under conditions in compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimis* are not *recognized environmental conditions*.

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**Reasonably ascertainable** – for purposes of both Practice E 1527 and 1528, information that is (1) *publicly available*, (2) obtainable from its source within reasonable time and cost constraints, and (3) *practically reviewable*.

**Site** - the area that is the focus of this Phase I Environmental Site Assessment; its boundaries are not necessarily consistent with recorded legal descriptions of real estate.

**Sump** – a pit, cistern, cesspool, or similar receptacle where liquids drain, collect, or are stored.

**Suspect ACM of concern** – defined as “(1) all friable suspect ACMs and (2) any non-friable suspect ACMs expected to be disturbed by renovation or demolition activities planned for the Site.”

**Underground storage tank (UST)** – any tank, including underground piping connected to the tank, that is or has been used to contain *hazardous substances* or *petroleum products* and the volume of which is 10% or more beneath the surface of the ground.

**User** – the party seeking to use Practices E 1527 or E 1528 to complete an *environmental site assessment* of the *property*. A user may include, without limitation, a potential purchase of *property*, a potential tenant of *property*, an owner of *property*, a lender, or a property manager.

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