#### MALLARD POINTE BUSINESS PARK

# 1. Ownership Information

## 1.1 Land Ownership/Control

Watertown Development Company PO Box 332 Watertown, SD 57201

Chris Schilken Executive Director

Phone: 605-884-0304 or 1-888-797-6767 Email: chris@watertownworks.com

Available lots in Mallard Pointe Business Park are owned in one of two ways. The Watertown Development Company (WDC) is the owner of record for a number of the lots and those WDC-owned lots are governed by the Mallard Pointe Joint Venture Committee. The Redlin Art Center (RAC) owns the remaining lots and works closely with the WDC to market and develop the lots. The maps in Section 2 can be referenced for the ownership of specific lots.

Watertown Development Company (WDC) actively markets the available lots in Mallard Point Business Park. Site/lot-specific information is provided to clients as requested in order to provide the most relevant information based on the client's needs, but general park information can always be found at <a href="https://www.watertownworks.com/property/">https://www.watertownworks.com/property/</a>

## 1.2 Land Selling Price

The available lots in the Mallard Pointe Business Park have a land price of \$40,000 per acre.

## 1.3 Property Easements & Rights-Of-Way

The plat of the available lots can be found in in Section 2, the plat shows the existing easements. The lots that are in the southeast corner of the addition have drainage easements across them that will need to be reviewed prior to development of the site.

#### 1.4 Property Covenants

The covenants for the Mallard Pointe Business Park can be found on the following pages as Appendix 1.4.A.

# DECLARATION OF COVENANTS, CONDITIONS AND RESTRICTIONS TO RUN WITH THE LAND

In order to establish a general plan for the improvement and orderly development of property in Codington County, South Dakota, described as:

Interstate Office Addition to the Municipality of Watertown except the North 108.41 Feet of Lot 3 (measured along the West boundary and running parallel with the North boundary thereof), in Block 1 thereof.

the Watertown Development Company (hereinafter referred to as WDC or Declarant) does hereby impose the following covenants, restrictions and conditions on the real property hereinbefore and such covenants, restrictions and conditions shall be binding on the undersigned, Grantees of the undersigned, successors in interest, heirs and assigns or subsequent transferees or anyone who in whatever manner acquires any of the real property described above and the declaration of covenants, conditions and restrictions are as follows.

# I. PURPOSE AND APPLICATION

The purpose of these restrictions is to protect the substantial investment of Declarant, its joint venture partners and purchasers and developers of property, by assuring that the area will be developed and maintained with high standards for quality and aesthetics, to insure proper development and use of said property, to prevent the erection on said property of structures built of improper design or materials, to encourage the erection of attractive improvements as appropriate locations, to prevent haphazard and inharmonious improvements, to secure and maintain proper setbacks from streets and adequate free spaces between structures, and in general to provide adequately for a high type and quality of improvement of said property in accordance with general plan.

Said property shall be held, conveyed, rented, leased, encumbered, used, occupied and improved subject to the conditions, covenants, restrictions and limitations hereinafter set forth, which shall bind all parties having or acquiring any right, title or interest in said property or any part thereof, and shall apply to and bind the heirs, assignees and successors in right, title or interest thereof.

#### II. DEFINITIONS

#### A. Declarant

"Declarant" refers to Watertown Development Company (WDC) and its Joint Venture Partners. Any approval required of Declarant shall come from the Joint Venture Committee established by previous agreement, and as such agreement may be from time to time amended.

#### B. Site

"Site" shall mean any lot, or portion thereof, or two or more contiguous lots or portions thereof, or a parcel of land upon which a building or buildings and appurtenant structures including landscaping may be erected in conformance with the requirements of these restrictions.

## C. Improvements

"Improvements" shall mean and include buildings, underground installations, out-buildings, parking areas, loading areas, driveways, trackage, fences, walls, landscaped areas and/or mass plantings, illumination facilities, poles, signs and any structures of any type or kind.

#### D. Setback Area

"Setback area" shall mean all that area between the setback line and its respective side, rear, or street property line.

# III. REGULATION OF IMPROVEMENTS

#### A. Site Coverage

No more than fifty percent (50%) of the surface area of any site shall be devoted to the erection and/or placement of structures, unless approved in writing by Declarant. A structure shall include all buildings and other installations having a self supported roof and/or sidewalls.

# B. Minimum Setbacks

Minimum setback requirements are consistent with requirements listed in the Business Park District Zoning ordinance. Zoning setbacks shall be minimums only and the final determination shall be made in connection with the "approval of plans" as set forth in paragraph IV hereunder considering the lot and the site coverage set forth in paragraph A above.

## C. Completion of Construction

After commencement of construction of any structure, the owner shall diligently prosecute the work thereon, to the end that the structure shall not remain in a partly finished condition any longer than reasonably necessary for completion thereof. Construction of any improvements shall be substantially completed within one year from the date construction starts unless written extension is granted by Declaring.

#### D. Excavation

No excavation shall be made except in connection with construction of improvements; and upon completion thereof exposed openings shall be backfilled and compacted, and disturbed ground shall be graded and leveled.

## E. Landscaping

- 1. Every site on which a building shall have been placed be landscaped according to plans and specifications approved by Declarant as specified herein and maintained thereafter in a sightly and well kept condition.
- 2. The area between the building walls and the site's property lines, as well as all unpaved and adjoining street right-of-way areas (the area between the property line adjoining any street and the street curb line), shall be used exclusively for the planting and growing of trees, shrubs, lawns, and other ground covering or material as approved by Declarant, except for such portions thereof as may be reasonably required for service access either to the buildings or parking and loading areas constructed on the site.
- 3. Where pavement occurs between the building and any street frontage property line for the purposes of parking or loading, then the pavement shall be separated by a minimum of twenty-five (25) feet from the said street frontage property line. The area between the pavement and the curb line of the street shall be suitably landscaped as determined by the Declarant.
- 4. Where paving occurs adjacent to any side property line a minimum of five feet of landscaping shall be provided along that side property line.
- 5. Landscaping as approved by Declarant shall be installed within sixty (60) days of occupancy or completion of the building, whichever occurs first. If the time occurs during the winter months, then the landscaping shall be completed by June 15th.

- 6. All unused and non-landscaped land area that is planned for future building expansion or other purpose shall be maintained and kept free of weeds, other unsightly plant growth, rubbish and debris.
- 7. A fully operational automatic underground landscape irrigation system shall be provided adjacent to all buildings.

#### F. Barriers

No fence, wall, hedge, mass planting or other barrier shall be allowed to extend beyond the setback lines established herein except upon approval of plans and specifications as set forth herein.

## G. Signs

- 1. No billboard or advertising sign shall be permitted, other than the following:
  - (a) Those identifying the name, business and products of the person or firm occupying the premises; and
  - (b) Those offering the premises for sale, lease or rent and having specific, prior written approval by Declarant.
- 2. Signs and identification on buildings or building sites shall only be of such size, design, content, illumination, color and placement as specifically approved in writing by Declarant. No sign shall be substituted, changed or modified without prior written consent of Declarant.

# H. Parking and Loading Areas

- 1. All present and future vehicle parking, including employee, visitor, truck and trailer parking, shall be provided on the site. There shall be no on-street parking. All parking, trucking and loading areas are to be paved to provide dust-free, all weather surfaces. No parking, trucking or loading areas shall be developed within the minimum setback area, unless approved by Declarant. Parking areas developed between a building and any street may be permitted provided that they are separated by landscaping.
- 2. Provisions shall be made for adequate parking space based on the use of the building to be consistent with existing city ordinance.
  - (a) Where more than 20,000 square feet of parking are required, there shall be intermittently spaced landscape islands or other features approved by Declarant for aesthetic visibility.

3. Loading docks generally will not be approved on a street frontage. When approved by Declarant, they shall be generously set back and screened by landscaping or other means, when possible, to minimize the visual effect from the street.

# I. Storage and Refuse Areas

- 1. No materials, supplies, equipment, including company owned or operated trucks, or refuse, including trash containers, shall be stored or kept in any areas on a site except inside a closed building or behind a visual barrier screening such areas from the view of adjoining properties and the street, which barrier shall be at least six (6) feet in height. Such outside storage and barriers shall be permitted on the site only with the prior written approval of Declarant.
- 2. Any storage and refuse areas screened by visual barriers shall be located on the rear or side portions of the site, and not in the area between structures and the street property line.
- 3. No junk, scrap, rubbish, trash, litter or refuse shall be deposited or permitted to remain or accumulate on any site or portion thereof which will detract from its neat and orderly appearance. All such rubbish, trash, litter or refuse shall be kept in sanitary containers.

# J. Building Materials and Regulations

- 1. Exterior walls of any structure shall be as approved by Declarant as hereinafter set forth, however, it shall be as follows:
  - (a) Brick shall be of a size, type, texture, color and placement as shall be approved by Declarant.
  - (b) Stone shall have a weathered face or shall be polished, fluted, or broken face to be approved by Declarant.
  - (c) Concrete masonry units shall be those generally described as "Customized Architectural Concrete Masonry Units" or shall be broken faced brick-type units with marble aggregate, in either case to be approved by Declarant. All concrete masonry units shall be coated with a coating approved by Declarant, and there shall be no exposed concrete block on the exterior of any building unless approved by Declarant.
  - (d) Concrete may be poured in place, tilt-up, or precast, and shall be finished in stone, textured, or coated in a manner to be approved by Declarant and shall have a minimum life expectancy of 10 years.

- (e) Similar or superior materials as approved by Declarant.
- (f) Metal siding may be used only with specific written approval of the Declarant and only in combination with one of the above materials and such approval will be granted only upon consideration of the total plan, the other material to be used and the total visual impact of the facility.

Specific written approval for the type of roofing material to be used upon any structure must be obtained from the Declarant.

- 2. Roofs, or portions thereof, will not be permitted so as to be visible from the street(s) or from buildings on other sites unless approved by Declarant.
- 3. All electrical and mechanical apparatus equipment, fixtures (other than lighting fixtures), conduit, ducts, vents, flues and pipes mounted or placed on the roof surface, or extending above the roof line of any building or structure, or located on the exterior of any building or structure, shall be concealed from view from the street(s) and from buildings on other sites in an architecturally treated manner approved by Declarant. Where building design and/or street elevations make the foregoing impractical, Declarant may grant specific written approval of other measures which would minimize the visual effects as viewed from the street(s) and buildings on other sites.
- 4. All on site electrical, telephone and other utility lines shall be underground, and shall not be exposed on the exterior of any structure, unless approved in writing by Declarant.
- 5. No building or structure of any kind constructed on the site shall exceed the height of 40 feet above the established building grade for the site without prior written approval of Declarant.

#### K. Variances

Where, because of lot size, shape or location, building design or intended use, or other factors in the judgment of Declarant a variance is needed from any of the requirements in this Section (III), Declarant reserves the right to do so in writing. Any variance must be in writing, and when given shall be binding on all parties including existing and future property owners.

#### IV. APPROVAL OF PLANS

No improvements, as that term is hereinabove defined, shall

be erected, placed, altered, maintained or permitted to remain on any land subject to these restrictions nor shall building or other permits be secured until plans and specifications showing plot layout and all exterior elevations, with materials and colors thereof and structural design, signs, parking and loading areas, and landscaping, shall have been submitted to Declarant and approved in writing by Declarant. Such plans and specifications shall be submitted in writing over the signature of the owner of the site or his authorized agent. Approval shall be based, among other things, on adequacy of site dimensions; adequacy of architectural design; conformity and harmony of external design with neighboring structures; affect of location and use of improvements on neighboring sites, operations, improvements, and uses; relation of topography, grade and finished ground elevation of the site being improved to that of neighboring sites; proper facing of main elevation with respect to nearby streets; and conformity of the plans and specifications to the purpose and general plan and intent of these restrictions. Declarant shall not arbitrarily or unreasonably withhold its approval of such plans and specifications. Declarant will respond in no longer than 90 days after all necessary plan information has been submitted Declarant states that the property is being developed under a "Joint Venture Agreement" between Declarant and its Joint Venture Partners and the reviewing committee shall be the committee appointed by the parties to the Joint Venture. The reviewing committee may retain the services of a consultant as it determines necessary for such review.

Neither Declarant, its Joint Venture partner, nor its successors or assigns shall be liable in damages to anyone submitting plans to them for approval, or to any owner or lessee of land affected by this Declaration, by reason of mistake in judgment, negligence, or nonfeasance arising out of or in connection with the approval or disapproval or failure to approve any such plans. Every person who submits plans for approval nereunder agrees, by submission of such plans, and every owner or lessee of any of said property agrees, by acquiring title thereto or interest therein, that he will not bring any action or suit against Declarant to recover any such damages.

If no objection to the design or construction has been raised within one year of the date of completion of the structure, it will be deemed to have satisfied the requirements of this paragraph.

#### V. REGULATIONS OF USES

#### A. Permitted Uses

Permitted uses shall be office buildings; offices; art centers; museums; conference centers; convention centers; exhibit halls; performing arts and entertainment facilities; medical and health related facilities; hotels or motels; research and development facilities; restaurants with or without alcoholic beverages; light manufacturing such as assembly or related operations; and child care facilities.

Special exceptions to the permitted uses include retail establishments, recreational facilities and park areas.

Permitted uses shall have building design so that the operation and uses to which the building is intended do not cause or produce any of the following effects, discernible at any property line or affecting any adjacent property.

- 1. Noise, sound or vibrations that are objectionable due to intermittence, beat, frequency or shrillness.
  - 2. Obnoxious odors.
  - 3. Dust, dirt, fly ash, smoke or pollutants.
  - 4. Noxious, toxic or corrosive fumes or gases.
  - 5. Unusual fire or explosion hazard.
- 6. Sewage effluent that is obnoxious in nature or difficult to treat, as to either quantity or quality.

Declarant shall be the sole judge of whether uses are permitted and after approval of design and completion of construction, enforcement may be only if City, State or Federal standards are exceeded or violated.

#### B. Prohibited Uses

The following uses shall not be permitted on any property subject to these restrictions unless such uses qualify under the procedure set forth herein after under the heading "Procedure for Reclassification":

- 1. Residential.
- 2. Mobile home parks or trailer courts, either temporary or permanent.

- 3. Labor camps.
- 4. Junk yards and vehicle or equipment disassembly, provided, however, that the foregoing does not prohibit vehicle maintenance operations done primarily within a building.
- 5. Drilling for and/or removal of oil, gas or other hydrocarbon substances.
- 6. Commercial excavation of building or construction materials or quarrying of any material.
  - 7. Distillation of bones.
- 8. Dumping, disposal, incineration or reduction of garbage, sewage, offal, dead animals, or refuse.
  - 9. Fat rendering.
  - 10. Stockyard or slaughter of animals.
  - 11. Refining of petroleum or of its products.
  - 12. Smelting of iron, tin, zinc or other ores.
- 13. Hog raising, cattle fattening, chicken farming or comparable uses.
- 14. Auctions or retail sales to the general public unless approved in writing by Declarant.
- 15. Any other uses of like kinds or character as set forth above or any other use determined by the Declarant to be incompatible with other uses in the land described hereinbefore.

#### VI. ENFORCEMENT

#### A. Abatement and Suit

Declarant or any owner or lessee to any portion of the property described hereinbefore may enforce these covenants, restrictions and conditions in any manner now or hereinafter allowed by law under the South Dakota Compiled Laws.

The result of every action or omission whereby any restriction herein contained is violated in whole or in part is hereby declared to be and to constitute a nuisance, and every

remedy allowed by law or equity against an owner in the case of a grant deed being annexed hereto, or lessee in the case of a leased annexed hereto, either public or private, shall be applicable against every such result and may be exercised by Declarant.

In any legal or equitable proceeding for the enforcement or to restrain the violation of this Declaration or any provisions hereof, the losing party or parties shall pay the attorney's fees of the prevailing party or parties, in such amount as may be fixed by the court in such proceedings. All remedies provided herein or at law or in equity shall be cumulative and not exclusive.

## B. Inspection

Declarant may from time to time at any reasonable hour or hours, enter and inspect any property subject to these restrictions to ascertain compliance therewith.

# C. Failure to Enforce Not a Waiver of Rights

With the exception of the time limit for action by the Declarant contained in Section IV hereof, the failure of Declarant or any property owner to enforce any restriction herein contained shall in no event be deemed to be a waiver of the right to do so thereafter nor of the right to enforce any other restriction.

# VII. MODIFICATION, REPEAL, EXTINGUISHMENT AND TERM

This Declaration of Covenants, Conditions and Restrictions shall be in effect for fifty years from the date hereof and shall run with the land and may be extended, amended or repealed only upon the signatures of the owners of 75 percent of the property hereinbefore described. To be effective, such extension, amendment or repeal must be duly recorded in the office of the Register of Deeds of Codington County, South Dakota.

# VIII. ASSIGNABILITY OF DECLARANT'S RIGHTS AND DUTIES

Any and all of the rights, powers and reservations of Declarant herein contained may be assigned to any person, corporation or association which will assume the duties of Declarant pertaining to the particular rights, powers and reservations assigned, and upon any such person, corporation or association's evidencing its consent in writing to accept such assignment and assume such duties, he or it shall, to the extent of such assignment, have the same rights and powers to be subject to the same obligations and duties as are given to and assumed by Declarant herein. The term "Declarant" as used herein, includes

all such assignees and their heirs, successors, and assigns.

#### IX. CONSTRUCTIVE NOTE AND ACCEPTANCE

Every person who now or hereafter owns or acquires any right, title, estate or interest in or to any portion of said property is and shall be conclusively deemed to have consented and agreed to every covenant, condition, and restriction contained herein, whether or not any reference to this Declaration is contained in the instrument by which such person acquired an interest in said property.

#### X. RIGHTS OF MORTGAGEES

All restrictions and other provisions herein contained shall be deemed subject and subordinate to all mortgages and deeds of trust now or hereafter executed upon land subject to these restrictions, and none of said restrictions shall supersede or in any way reduce the security or affect the validity of any such mortgage or deed of trust; provided, however, that if any portion of said property is sold under a foreclosure of any mortgage or under the provisions of any deed of trust, any purchaser at such sale, and his successors and assigns, shall hold any and all property so purchased subject to all of the restrictions and other provisions of this Declaration.

# XI PARAGRAPH HEADINGS

Paragraph headings are inserted for convenience only and are not intended to be part of this Declaration or in any way to define, limit or describe the scope or intent of the particular paragraph to which they refer.

#### XII. EFFECT OF INVALIDATION

If any provision of this Declaration is held to be invalid by any court, the invalidity of such provision shall not affect the validity of the remaining provisions hereof.

IN WITNESS WHEREOF, the undersigned has executed this Declaration of Covenants, Conditions and Restrictions to Run with the Land on this 15 day of DEE, 1997.

WATERTOWN DEVELOPMENT, COMPANY

STATE OF SOUTH DAKOTA )

:SS

COUNTY OF CODINGTON )

On Docember 15, 1997, before me, the undersigned officer, personally appeared  $Gan_1$  W.III.a.ms and M.Elaine Derive , known to me to be the President and Secretary of the WatertownDevelopment Company that executed the within instrument, and also known to me to be the persons who executed it on behalf of the Watertown Development Company and further acknowledged to me that such company executed the within instrument pursuant to its By-Laws or a Resolution of its Board of Directors.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

My Commission Expires

STATE OF SOUTH DAKOTA, COUNTY OF CODINGTON-SS

FILED THIS 10+ DAY OF March 1998 AT.

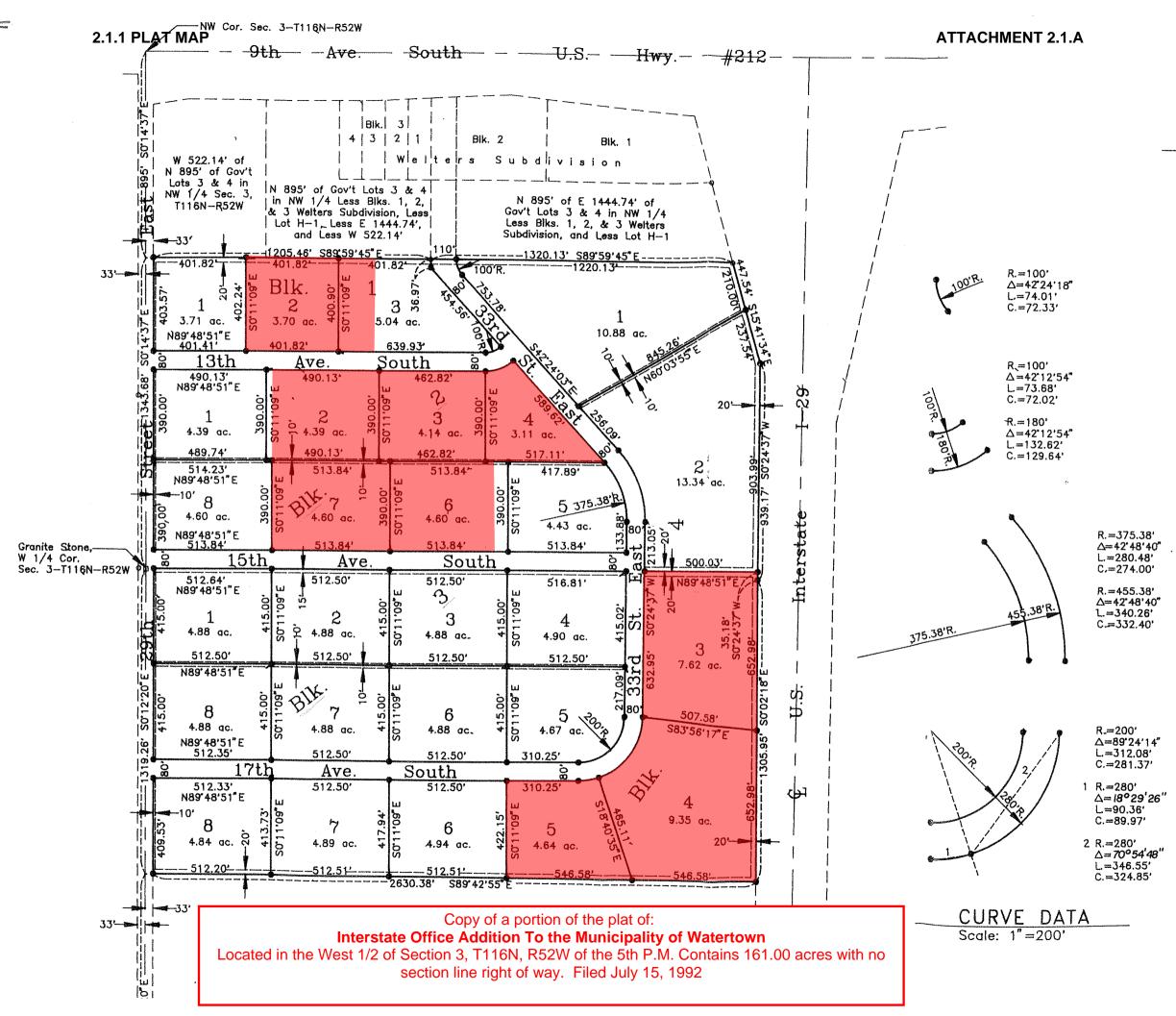
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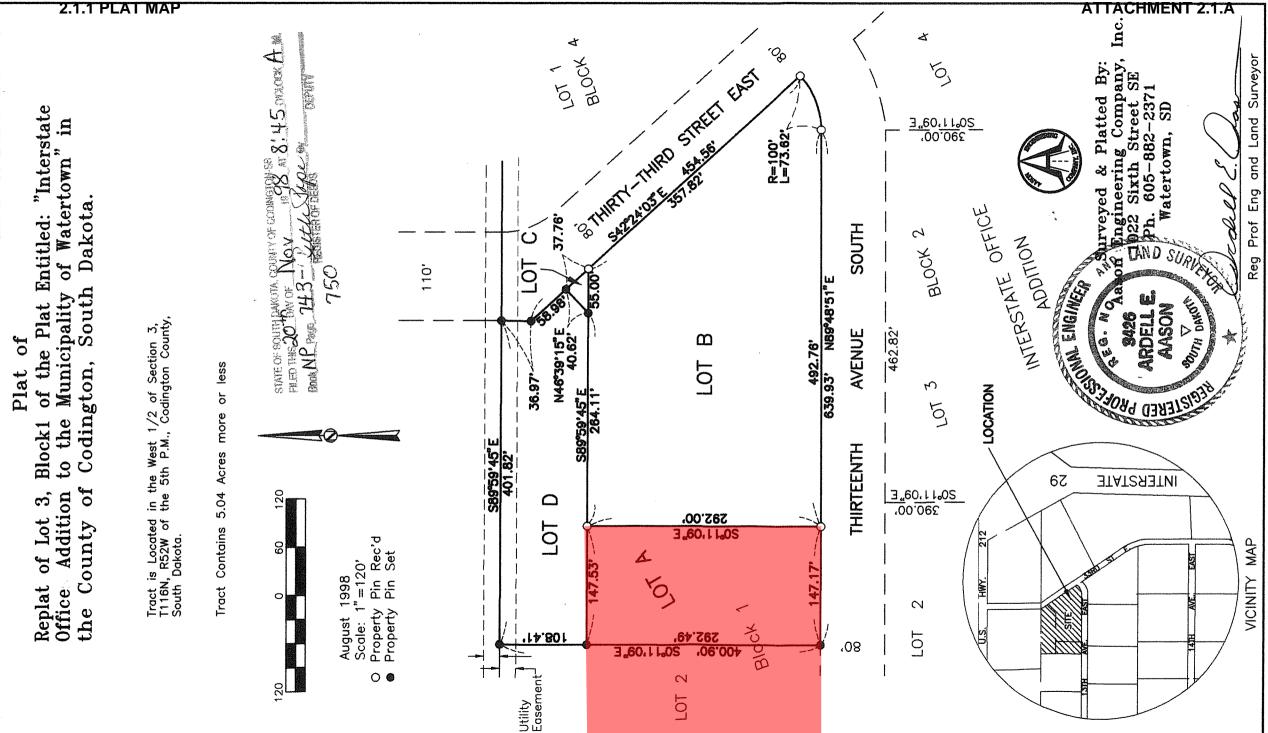
This instrument prepared by: Robert J. Wagner, Attorney at Law, P.O. Box 153, Watertown, SD 57201; 605-886-4451.

# MALLARD POINTE BUSINESS PARK

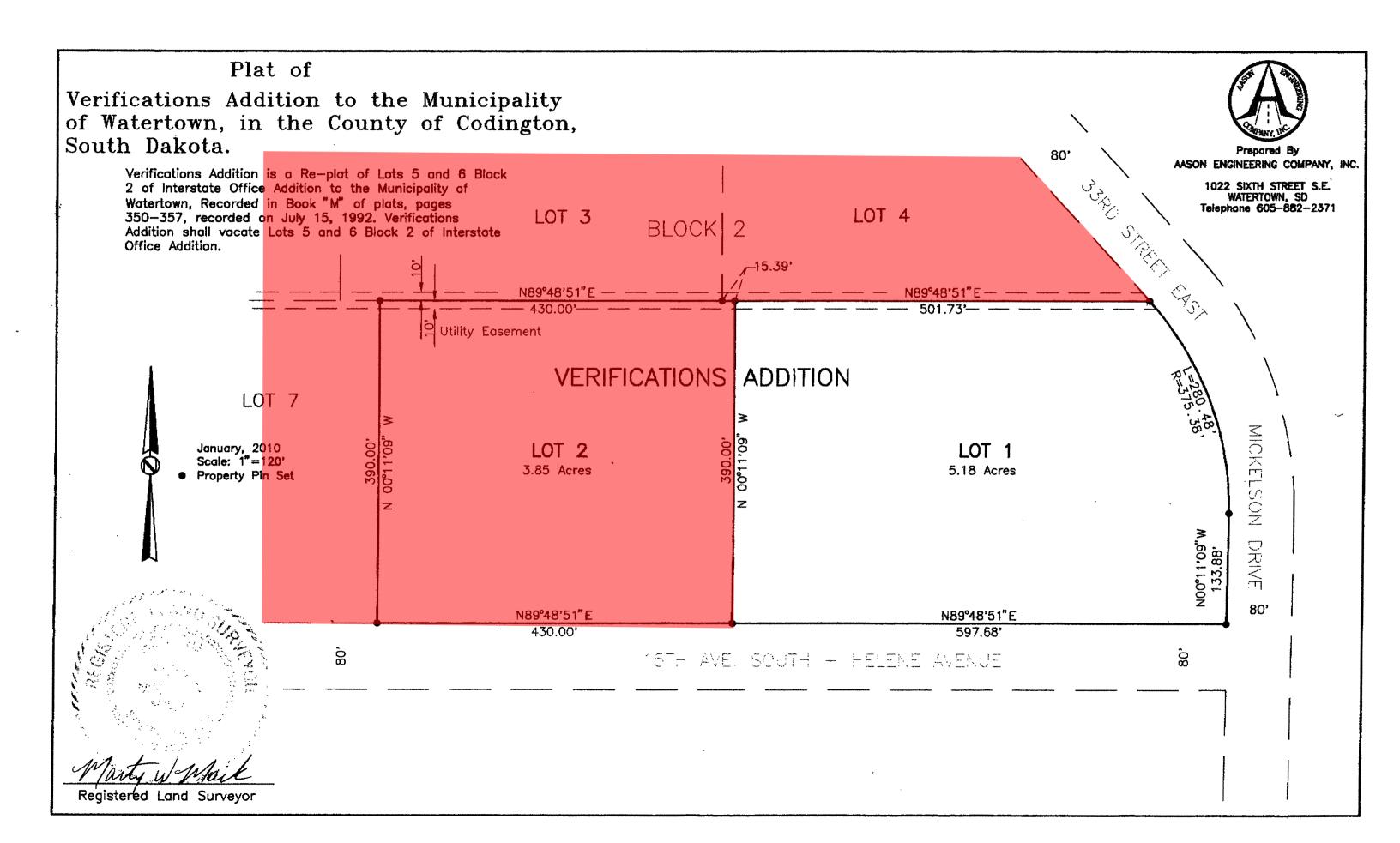
# 2. Property Information

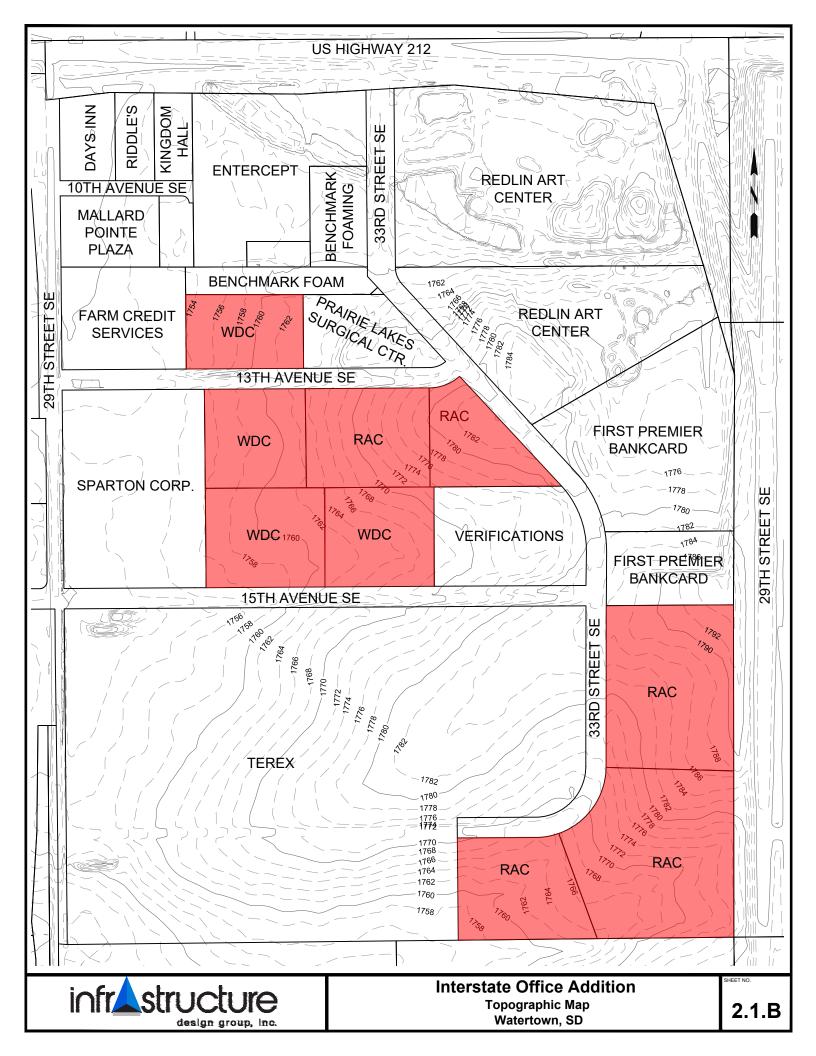
- 2.1 Maps & Photos
  - 2.1.1 Plat Map -
    - Attachment 2.1.A
  - 2.1.2 Topographic Map
    - Attachment 2.1.B
  - 2.1.3 Site Map
    - Attachment 2.1.C
  - 2.1.4 Aerial Photo -
    - Attachment 2.1.C

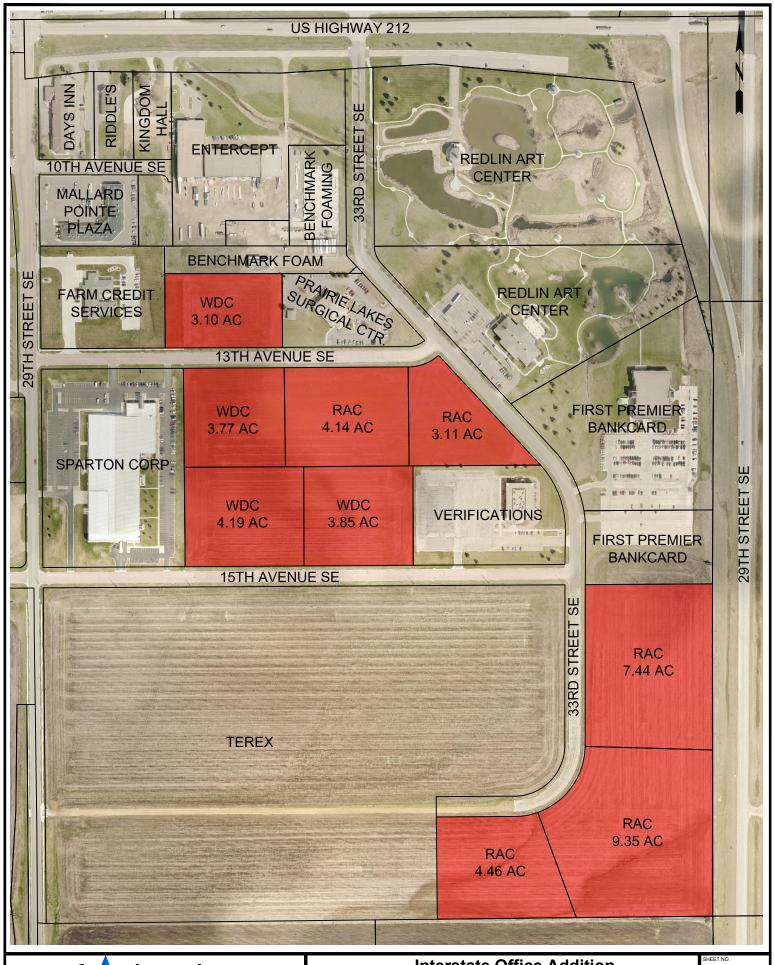




SHEET 1 OF 8





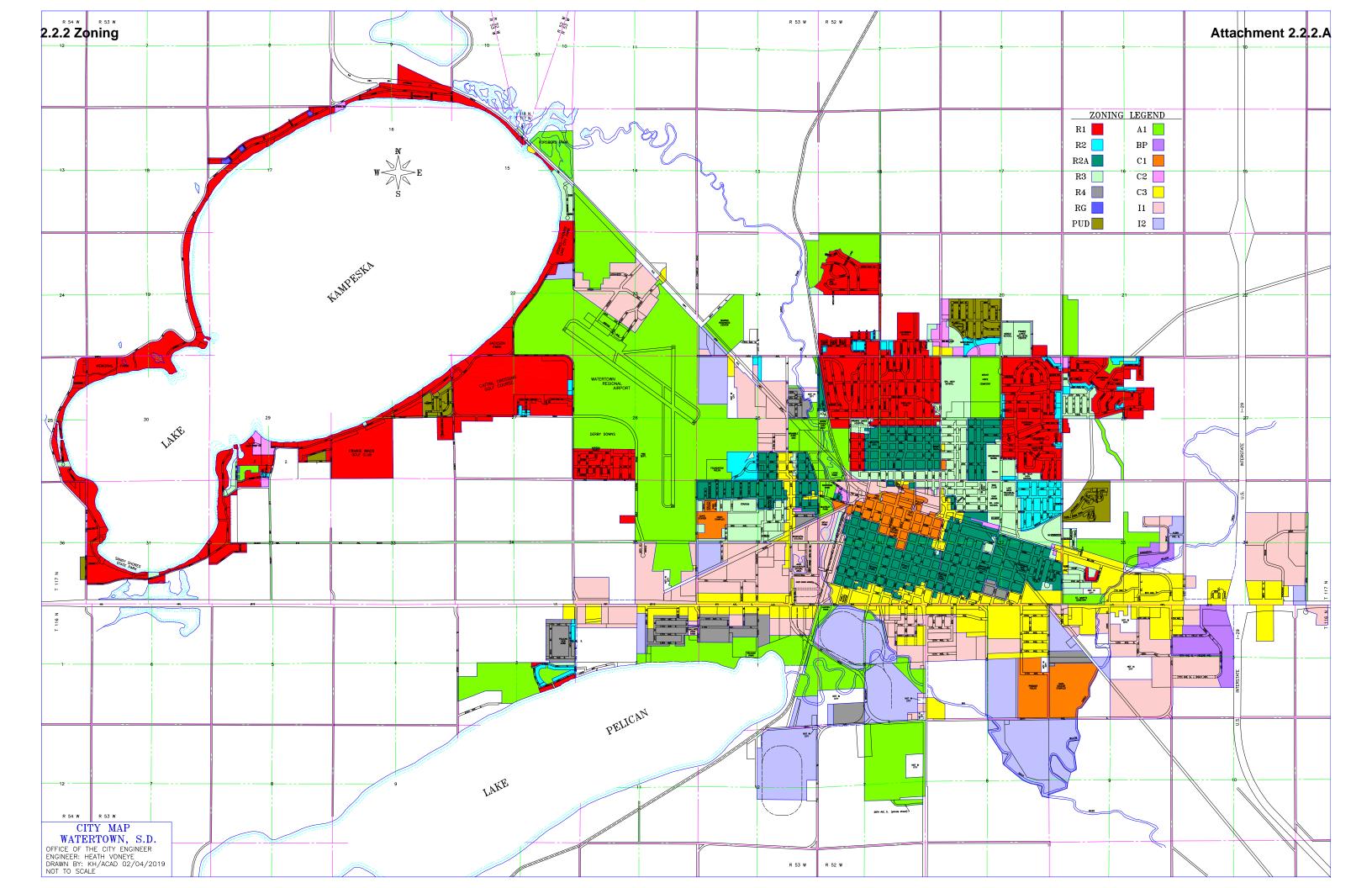




# MALLARD POINTE BUSINESS PARK

# 2.2 Zoning Classification

The City of Watertown is the Zoning Authority for the Mallard Pointe Business Park. Attachment 2.2.A shows the available lots in the Mallard Pointe Business Park is currently zoned as BP - Business Park District, Terex is the only site in the Park that is zoned I-1 Light Industrial. The Current Zoning Ordinances (Attachment 2.2.B) and allowable usage for the properties has been included after the Zoning map. The land adjacent to Interstate Office Addition is zoned I-1 Light Industrial and C-3 Commercial Highway, or un-zoned/agricultural, per the provided zoning map.



#### Attachment 2.2.2.B

#### Chapter 21.30 BP BUSINESS PARK DISTRICT

Section		(back to Title content
21.3001	Purpose	
21.3002	Permitted Uses	
21.3003	Conditional Uses	
21.3004	Requirements	
21.3005	Prohibited Uses	

#### 21.3001: PURPOSE

**2.2.2 Zoning** 

(back to Chapter contents)

- 1. The goal of the business park zoning district is to provide a flexible site for the formation of a coordinated mix of land uses including offices, arts and medical facilities, light manufacturing and limited commercial uses which harmonize and complement each other.
- 2. Encourage more creative, higher quality urban development.
- 3. Provide high standards for site planning, architecture and landscape design to meet the needs of the most discriminating establishments.

#### 21.3002: PERMITTED USES

(back to Chapter contents)

- 1. Offices (Building).
- 2. Art centers, museums.
- 3. Theater.
- 4. Medical and health oriented facilities.
- 5. Hotel or motel.
- 6. Convention center, banquet facilities.
- 7. Research and development facilities.
- 8. Restaurants.
- 9. Light manufacturing, such as assembly or related operations.
- 10. Day Care Facility (Non-residential).
- 11. Park areas.
- 12. Schools offering post secondary education. (Ord 13-35; Rev 01-10-13)

#### 21.3003: CONDITIONAL USES

(back to Chapter contents)

- 1. Retail establishments.
- 2. Recreational facilities.
- 3. Off-Sale Malt Beverage and Wine sales when licensed pursuant to SDCL §35-4-2 (17A). (Ord 08-22; Rev 12-12-08)
- 4. Radio and television studios, communication transmitting and receiving towers. (Ord 13-12; Rev 06-14-13)

# 21.3004: REQUIREMENTS

(back to Chapter contents)

#### 1. Size

- a. No area shall be eligible as a Business Park District unless it contains at least twenty (20) acres.
- b. Minimum lot size shall be three (3) acres.
- c. No area shall be eligible as a Business Park District unless there is an adopted Declaration of Restrictions and Covenants recorded with the Register of Deeds.

#### 2. Setbacks

- a. Front yard setbacks: All structures shall be set back a minimum of fifty (50) feet. (Ord 04-04; Rev 03-26-04)
- b. Side and back yard setbacks: All structures will be set back a minimum of twenty (20) feet. (Ord 04-04; Rev 03-26-04)

#### 3. Site coverage

a. No more than fifty percent (50%) of the surface area of any site shall be devoted to the erection and/or placement of a building.

#### Attachment 2.2.2.B

# **2.2.2 Zoning**

#### 4. Parking

- a. All parking areas are to be paved.
- b. Parking requirements conform to usage schedule in city ordinances.

#### 5. Maximum building height

- a. No building permit shall be over five (5) stories or fifty five (55) feet for all structures, roofs and other appendages, including heating, cooling and machinery systems.
- b. A variance will be required for buildings to exceed the maximum height requirement.
- c. If a business park is adjacent to airport property, maximum building height shall conform to Federal Aviation Administration requirements.

# 6. Loading areas

- a. All loading areas will be paved.
- b. Loading docks/areas will not be approved on a street frontage.

#### 7. Storage and refuse areas

- a. No outside storage will be permitted. A conditional use may be granted if storage is appropriate and is located behind visual barrier screening.
- b. No junk, scrap, rubbish, trash, litter or refuse shall be deposited or permitted to remain or accumulate on any site.
- c. Refuse collection areas shall be located on the rear or side of the site and located behind visual barrier screening. (E-712)

#### 21.3005: PROHIBITED USES

(back to Chapter contents)

No art museum (except those sponsored by public entities), art gallery, art publishing house or artists' studios and galleries shall be located within one (1) mile of the Redlin Art Center facility in a Business Park District. (01-02)

# MALLARD POINTE BUSINESS PARK

#### 2.3 - Environmental Information

#### 2.3.1 - Phase 1 Environmental Assessment -

Attachment 2.3.A (Report from Prairie Consulting Group)

# 2.3.2 - Endangered Species -

Attachment 2.3.B (Letter from U.S. Fish and Wildlife Service)

# 2.3.3 - Designated Wetland -

Attachment 2.3.C (Map from National Wetlands Inventory)

#### 2.3.4 - 100 - Year Flood Plain -

Attachment 2.3.D (Maps from FEMA FIRMette)

# 2.3.5 - Archaeological Evaluation -

Attachment 2.3.E (Report from Augustana University)

## 2.3.6 - Geotechnical Data -

Attachment 2.3.F (Report from Geotek Engineering & Testing Services)



# PRAIRIE CONSULTING GROUP, INC.

312 9th Avenue SE, Suite C • Watertown, South Dakota 57201 Phone: 605-886-4009 • Fax: 605-882-4152

September 20, 2019

Ms. Michelle Kakacek Watertown Development Company 1East Kemp P.O. Box 332 Watertown, SD 57201

RE: Phase I Environmental Site Assessment Report Interstate Office Addition NE1/2NW1/4, sec.3, T.116 N., R.52W Watertown, South Dakota

Dear Ms. Kakacek

Prairie Consulting Group, Inc. (Prairie) has enclosed a report for the Phase I Environmental Site Assessment (ESA) conducted at the above-referenced site. The results of the ESA are included in the enclosed report.

If you have any questions regarding this report, please contact me at (605) 886-4009. Prairie appreciates the opportunity to provide professional environmental consulting services to the Watertown Development Company of Watertown, South Dakota.

Sincerely,

PRAIRIE CONSULTING GROUP, INC.

Nathan T. Hunke, M.S., P.G.

Senior Hydrogeologist

# **REPORT**

PHASE I ENVIRONMENTAL SITE ASSESSMENT

INTERSTATE OFFICE ADDITION NE1/2NW1/4, SEC.3, T.116 N., R.52W WATERTOWN, SOUTH DAKOTA

**SEPTEMBER 20, 2019** 

# PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

INTERSTATE OFFICE ADDITION NE1/2NW1/4, SEC.3, T.116 N., R.52W WATERTOWN, SOUTH DAKOTA

**SEPTEMBER 20, 2019** 

Prepared for:

Ms. Michelle Kakacek Watertown Development Company 1East Kemp P.O. Box 332 Watertown, SD 57201

Prepared by:

Prairie Consulting Group, Inc. 312 9<sup>th</sup> Avenue SE, Suite C Watertown, South Dakota 57201 (605) 886-4009

# Prepared By:

PRAIRIE CONSULTING GROUP, INC.

Nathan T. Hunke, M.S., P.G. Senior Hydrogeologist

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# PHASE I ENVIRONMENTAL SITE ASSESSMENT INTERSTATE OFFICE ADDITION NE1/2NW1/4, SEC.3, T.116 N., R.52W WATERTOWN, SOUTH DAKOTA

#### INTRODUCTION

On August 30, 2019, Prairie Consulting Group, Inc. (Prairie) conducted a Phase I Environmental Site Assessment (ESA) site visit of the Interstate Office Addition property located near the intersection of 13<sup>th</sup> Ave. SE, 15<sup>th</sup> Ave. SE and 17<sup>th</sup> Ave. SE and 33<sup>rd</sup> Street SE in Watertown, South Dakota. The subject property consists of vacant lots. Adjacent properties are occupied by corporate offices of existing businesses and vacant agricultural land. The approximate legal location of the property is the E1/2, NW1/4, sec. 3, T.116 N., R.52W. of the Watertown East 7.5 minute topographical quadrangle, Codington County, South Dakota.

The Phase I ESA was performed in general accordance with the ASTM E1527-13 Standard Practice for Environmental Site Assessments and federal "All Appropriate Inquiry" standard, as that term is defined in CERCLA, 42 U.S.C. 9601(35)(B).

The purpose of the Phase I ESA is to identify recognized environmental conditions (REC's) associated with the current and past use of the Subject Property and surrounding property. REC's are defined as the presence or likely presence of any "hazardous substances or petroleum products" on the Subject Property that indicate an existing release, a past release or a material threat of a release of any "hazardous substances or petroleum products" in structures on the Subject Property or into the soil, ground water or surface water on the Subject Property or from nearby offsite operations. "Hazardous substances or petroleum products" include those that are stored or maintained in accordance with current laws. However, REC's are not intended to include conditions that generally do not present a material risk of harm to human health or to the environment and that would generally not be subject to enforcement actions by appropriate governmental bodies or agencies.

Please note that during preparation of the Phase I ESA, not all environmental conditions are addressed and are beyond the scope of the assessment performed by Prairie. These "non-scope" items potentially associated with the Subject Property not part of the Phase I ESA include:

- Asbestos-containing materials
- Lead in drinking water
- Lead-based paint
- SPCC
- Physical properties of the soils and bedrock for site grading or foundation considerations.

Environmental conditions may be present that cannot be reasonably determined based on the site inspection and the information obtained during completion of the ESA. Though Prairie conducted the ESA following current ASTM methodology, Prairie cannot be responsible for such environmental conditions that are not reasonably ascertainable.

#### **Facility Location**

The Subject Property is located at Interstate Office Addition, E1/2,NW1/4, sec.3, T.116 N., R.52W., in Watertown, South Dakota. The approximate legal location of the property is the E1/2,NW1/4, sec.3, T.116 N., R.52W., of the Watertown East 7.5 minute topographical quadrangle, Codington County, South Dakota. Figure 1 shows the site location and area topography. A map of the site is provided on Figure 2.

# **Facility Description**

The subject property is illustrated on Figure 2. The property consists of vacant lots. The property was acquired in approximately 1992 by the Watertown Development Co. and the MD America Mutual Life Insurance Co and was developed into the Interstate Office Addition to the City of Watertown (Stein, 2013). The property consisted primarily of vacant agricultural ground prior to 1992. Exterior surfaces of the subject proeprty consist of vegetation (Appendix I).

# Site Ownership

The site is owned by Watertown Development Company of Watertown, South Dakota. The site contact is Ms. Michelle Kakacek. The address and phone number to contact Ms. Kakacek is:

Watertown Development Company 1East Kemp P.O. Box 332 Watertown, SD 57201 (605) 884-0340

## **Facility Setting**

The subject property is surrounded by commercial property and vacant agricultural property. The property to the south and west of the subject properties is currently being developed as the Terex Manufacturing Plant (Figure 2). The I-29 Interstate corridor also lies east of and adjacent to the subject properties. The 17<sup>th</sup> Ave. SE, 15<sup>th</sup> Avenue SE, 13<sup>th</sup> Ave. SE and 33<sup>rd</sup> Street SE border the subject properties. Sparton Coporation borders the subject property to the west, Verifications borders the properties to the east and northwest, Farm Credit Services borders the subject property to the west, Prairie Lakes Surgical Center borders the subject property to the east and north, Benchmark Foam borders the subject property to the north, Terex borders the subject property to the south and west and the Premiere Bankcard property borders the subject property to the east and north. The Redlin Center commercial property borders the subject property to the north of the site and flows to the west toward Willow Creek located approximately 0.25 mile northwest of the subject property. Willow Creek flows to the southwest.

#### Hydrogeology

Interstate Office Addition is located on the east edge of the City of Watertown, Codington County, northeast South Dakota. Codington County is located on the north-central portion of the Prairie des Prairies, an upland area of the Central Lowland physiographic province (Steece, 1958).

The regional geology is characterized by unconsolidated surficial Recent alluvium and Pleistocene-age glacial drift overlying consolidated Cretaceous-age sedimentary bedrock and Precambrian igneous and metamorphic rock (Steece, 1958 and Rukstad and Hedges, 1964). The glacial drift consists of unconsolidated glacial till and outwash

deposits. Glacial till occurs in the upland areas and was deposited by glacier ice during the Wisconsin stage of glaciation. Pleistocene outwash deposits overlain by Recent alluvium occur in the Big Sioux River valley and tributaries to the Big Sioux River. The Big Sioux River flows to the southeast, approximately 1.75 mile southwest of the site.

Recent alluvium consists of semi-stratified deposits of gravel, sand and silt ranging in thickness from 0 to 20 feet. The alluvium is brown to black, humic and occurs in stream flood plains and lakebeds (Steece, 1957). Outwash underlies Recent alluvium and consists of stratified deposits of brownish-gray to bluish gray poorly-sorted fine sand to coarse gravel. The outwash deposits range in thickness from 15 to 95 feet, are unoxidized and exhibit level topography. Sandy loam soils form on the outwash deposits (Steece, 1957). Ground moraine underlies the outwash deposits and consists of glacial till. The glacial till is boulder-clay and consists of olive-gray to olive-brown calcareous, friable to compact, silt and clay with rock fragments, ranging in thickness up to 150 feet. The topography is level and well-drained with a calcareous loess cover up to four (4) feet thick (Steece, 1957).

Approximately 500 feet of unconsolidated glacial drift overlie the Cretaceous-age Pierre Formation (shale) in the Watertown area. The Cretaceous sediments in the area consist of shale, chalk, marl, limestone and sandstone. Precambrian rock underlying Cretaceous bedrock consists of quartzite, serpentinite, and granite (Rukstad and Hedges, 1964).

Grant County lies northeast of Codington County in northeastern South Dakota. Seven glacial aquifers exist in unconsolidated Quaternary-aged deposits in Codington and Grant Counties. These aquifers are; the Big Sioux aquifer, Antelope Valley aquifer, Veblen aquifer, Prairie Coteau aquifer, Revillo aquifer, Lonesome Lake aquifer and the Altamont aquifer. These aquifers consist of medium to coarse unconsolidated sand and gravel, deposited by meltwater from receding glaciers (Hansen, 1994). The Big Sioux aquifer lies within the boundaries of the Big Sioux River flood plain. The Interstate Office Addition lies on or near the Big Sioux aquifer. The Big Sioux aquifer consists of well-sorted medium sand to medium gravel surficial outwash. The Big Sioux aquifer is generally less than 10 feet below land surface, averages 22 feet thick and exhibits a maximum thickness of 54 feet (Hansen, 1994).

## **Hydrology**

Based on topography, land surface declines slightly in elevation to the northwest. The site is located outside the 100-year and 500-year flood plain (Appendix II). Localized shallow groundwater typically migrates in the same general direction as the surface topography and is expected to flow to the northwest. This ground water flow direction in the site vicinity was verified by ground water monitoring results detailed in a Tier 2 risk-based-corrective action (RBCA) Assessment report prepared by Coteau Environmental dated April 20, 2005, and is to the northwest (Coteau, 2005). Based on information provided by the Environmental Data Resources (EDR), the property does not lie in a wetland area (Appendix II).

#### Utilities

The Subject Property is serviced by the City of Watertown water supply. The Subject Property does not have an onsite water-supply well. The property is serviced by the City of Watertown sanitary sewer system. The property does not have a septic tank and drain field. Electric service is provided by the City of Watertown. Natural Gas is also provided by the City of Watertown.

#### Soil Types

The soil type in the vicinity of the Subject Property was provided in the EDR report (Appendix II). The soil types consist of the Kranzburg silt loam with moderate infiltration rates and depth to ground water greater than six (6) feet (Appenidx II).

#### Past Land Use

No Sanborn maps were available for the site (Appendix III). Aerial photographs were obtained for the years 1952, 1953, 1966, 1971, 1975, 1977, 1984, 1991, 1992, 1998, 1999, 2000, 2002, 2004, 2008, 2010, 2012, 2014, 2016 and 2018 (Appendix IV). County Atlas Maps were obtained for the years 1910, 1956, 1966, 1979, 1989, 1999 and 2007 (Appendix V). Based on review of aerial photography, the properties were vacant 1952, 1953, 1966, 1971, 1975, 1977, 1984, 1991, 1992, 1998, 1999, 2000, 2002, 2004, 2008,

2010, 2012, 2014, 2016 and 2018. Based on County Atlas Maps, the properties were vacant in 1910, 1956, 1966, 1979, 1989, 1999 and 2007. New construction was identified on adjacent properties in the 1998 aerial photographs. Reportedly, construction of the Redlin Center was initiated on an adjacent property in 1997.

#### INTERIOR AND EXTERIOR SITE INSPECTION

#### **Site Inspection**

On August 30, 2019, Prairie personnel performed a site walk-through of the subject property. During the inspection, no evidence of UST's (e.g. vent or fill pipes). Site photographs are provided in Appendix I. The following summarizes the findings:

#### **Above Ground Storage Tanks**

No above ground storage tanks were observed on the Subject Property. The site is not listed in the South Dakota Department of Environment and Natural Resources (DENR) petroleum tank database (Appendix II).

#### **Underground Storage Tanks**

No evidence of underground storage tanks (UST's) (e.g. vents, fill pipes, pump dispensers) was observed during the site inspection. The site is not listed in the DENR petroleum tank database (Appendix II).

#### **Chemical Storage**

During the site inspection, no large quantity chemical storage was observed on the subject property. The subject property does not maintain an inventory of any chemicals that requires regulatory reporting. The property is not listed on EPA's RCRIS list. A RCRIS-SG facility is a facility which generates EPA regulated hazardous waste, or meets other applicable requirements of the Resource Conservation And Recovery Act (RCRA).

#### Liquid Waste Disposal

There are no permitted industrial discharges at the subject property. Sanitary waste disposal in the vicinity of the property is managed by the municipal sanitary sewer. No evidence of the existence of a septic system was observed on the subject property. No evidence indicating the facility has generated liquid wastes that are classified as EPA regulated hazardous waste, was observed.

#### **Solid Waste Disposal**

Solid waste is not generated on the subject property. Solid waste generated from daily business operations at commercial properties in the vicinity of the subject property are collected by private waste haulers and disposed of at the City of Watertown regional landfill located 2.0 miles south of the subject property.

#### Polychlorinated Biphenyls

Electrical transformers and ballasts of fluorescent light fixtures can potentially contain polychlorinated biphenyls (PCB's). The production of PCB's was banned in the United States by the EPA in 1976. However, light ballasts manufactured through 1979 may contain PCB's. Based on the site inspection, no evidence of PCB-containing electrical transformers were identified nor are likely to exist on the subject property.

#### **Asbestos**

No evidence of asbestos containing materials (ACM's) were identified on the subject property, based on the visual inspection conducted by Prairie.

#### **Lead Based Paint**

Lead was utilized in paint until the early 1970's. Lead was banned from paint and other surface coating materials in 1978 by the Consumer Products Safety Commission. Based on the site inspection, no evidence of lead-based paint was observed on the subject property.

#### Radon

Based on information researched by EDR, radon testing has been reported in Codington County. The continuous exposure limit established by EPA and the Centers for Disease Control (CDC) is 4.0 picoCurries per liter (pCi/L), the limit at which further testing or remedial action is indicated. Codington County is reported to be designated as an EPA Zone 1, indicating the average indoor radon level is greater than 4.0 pCi/L (Appendix II).

#### **Other Potential Sources**

No other potential sources or environmental conditions were identified associated with the subject property.

#### **Adjacent Properties**

During the site visit on August 30, 2019, nine (9) commercial properties were identified adjacent to the subject property. In addition, a commercial property is currently being developed south and west of the subject property (Figure 2). This property was identified as Terex. Agricultural property is located south of the subject property.

Prairie interviewed property managers/owners of adjacent properties on September 17, 18 and 19, 2019. The following summarizes the results of the site visit on August 30, 2019 and interviews on September 17, 18, and 19, 2019:

#### Redlin Center

The Redlin Art Center is located at 1200 33rd Street SE in Watertown, South Dakota (Figure 2). Based on the site inspection and an interview with the property manager, no bulk quantities of petroleum, chemicals or hazardous materials are stored on the property (Ranum, 2019). To the manager's knowledge, no environmental incidents occurred on the subject property in the past. The property was developed from a vacant lot in approximately 1997. The property is serviced by City of Watertown water, natural gas, electricity and sanitary sewer.

#### Premier Bankcard

Premier Bankcard is located at 1400 33rd St. SE, Watertown, South Dakota (Figure 2). Based on an interview with the property manager, one (1) 500 gallon above ground storage tank (AST) stores diesel fuel associated with a backup electrical generator on the property (Hoff, 2019). In addition, 5 gallon containers and one (1) 55 gallon drum of cleaning chemicals associated with the air handling unit are stored on the subject property. No other bulk quantities of petroleum, chemicals or hazardous materials exist on the property, now or in the past (Hoff, 2019). To the manager's knowledge, no environmental incidents occurred on the subject property in the past. The property is serviced by City of Watertown water, natural gas, electricity and sanitary sewer.

#### Verifications

The former Verifications is located at 1425 33rd St. SE, Watertown, South Dakota (Figure 2). Prairie contacted the realtor for the property as the property is currently vacant. Reportedly, the property does not store bulk quantities of chemicals, petroleum or hazardous materials, now or in the past (Owen, 2019). In addition, no environmental incidences have occurred on the subject property. The property is currently owned by Curmar, LLC of Eden Prairie, Minnesota. The property is serviced by City of Watertown water, natural gas, electricity and sanitary sewer.

#### Spartan (formerly OEM)

Spartan (formerly OEM) is located at 2920 Kelly Avenue, Watertown, South Dakota (Figure 2). Based on an interview with the property manager, the property does not store bulk quantities of chemicals, petroleum or hazardous materials (Kannas, 2019). To the manager's knowledge, no environmental incidents occurred on the subject property in the past. The property is serviced by City of Watertown water, natural gas, electricity and sanitary sewer. The property was developed in 2004 from vacant property (Appendix IV).

#### Terex

Terex is located at 33<sup>rd</sup> Street SE and 17<sup>th</sup> Avenue SE, Watertown, South Dakota (Figure 2). The property is currently under new construction. Based on an interview with the property manager/owner on September 17, 2019, no bulk quantities of petroleum, chemicals or hazardous materials exist on the property (Moore, 2019). The property began development in August of 2018 and is currently under development. To the manager's knowledge, no environmental incidents occurred on the subject property in the past. The Terex property was developed from vacant farm ground in 2018.

#### Farm Credit Services of America

Farm Credit Services of America is located at 1323 9th Ave SW, Watertown, South Dakota (Figure 2). Based on an interview with the property personnel on September 19, 2109, no bulk quantities of petroleum, chemicals or hazardous materials exist on the property, now or in the past (Fjeldheim, 2019). The property was developed in 2004 (Appendix IV). The property is serviced by City of Watertown water, natural gas, electricity and sanitary sewer.

#### Benchmark Foam and Enercept Properties

Benchmark Foam is located at 3100 9th Ave SE, Watertown, South Dakota (Figure 2). The property is utilized for storage of lumber and other materials. Based on an interview with property manager on September 19, 2109, no bulk quantities of petroleum, chemicals or hazardous materials exist on the property, now or in the past (Ryder, 2019). No environmental incidents have occurred on the property in the past. Based on an interview with the previous owner (Devine, 2013), the property was owned by Harold Henley from approximately 1981 to 1995. The property was developed in late 1981 or 1982. Prior to late 1981 or 1982, the property was occupied by a farmstead. At that time, the property included the former Benchmark Foam property east of and adjacent to the Enercept property. Water-supply wells were installed on the Enercept and Benchmark Foam properties by Stadheim Well drilling, to provide cooling water for the Styrofoam manufacturing process. The use of the wells were subsequently discontinued and the

facilities were connected to the City of Watertown municipal water supply. The cooling water generated from the Styrofoam manufacturing process was discharged to the City of Watertown sanitary sewer. The property is serviced by City of Watertown water, natural gas, electricity and sanitary sewer.

Coteau Environmental conducted an Additional ESA of the Benchmark Foaming property (former Enercept) at 3200 9th Avenue SE in Watertown, South Dakota (Coteau, 2009). A release was reported to the South Dakota Department of Environment and Natural Resources (DENR) on December 6, 2003. An additional environmental assessment was completed to determine the environmental impact associated with a fire that occurred at the site on December 6, 2008. Three (3) sediment samples were collected from the intermittent tributary on April 28, 2009. In addition, three (3) ground water samples were collected from the onsite water well. One (1) ground water sample was collected on February 6, 2009, to determine the presence or absence of chemical/petroleum impacts to the well associated with the fire event. One (1) ground water sample was collected on March 2, 2009, for disposal purposes. Based on City of Watertown Waste Water Treatment Plant review of laboratory analytical results, the ground water could not be disposed of at the waste water treatment plant. A "Temporary Permit To Use Public Waters For Testing Purposes" was obtained from the South Dakota Department of Environment and Natural Resources (DENR). The permit authorized the withdrawal of 1,950 gallons of water from the onsite water well. Three (3) well volumes of water were removed from the onsite water well on April 28, 2009. The removed water was disposed offsite by Safety-Kleen of Sioux Falls, South Dakota. A ground water sample was collected following the withdrawal of water from the water well on April 28, 2009. In addition, one (1) water sample was collected from the onsite buried culvert for disposal purposes. Approximately 450 gallons of water were contained in the buried culvert. The water was removed from the buried culvert utilizing a vacuum truck by Safety-Kleen personnel on April 28, 2009 (Coteau, 2009).

Sediment laboratory analytical results were compared to the DENR Tier 1 action levels or "trigger" level for TPH for soils at petroleum release sites (Table 1). The Tier 1 action levels or "trigger" level for TPH are utilized by the DENR to determine when remediation or a more thorough site evaluation is required. In addition, the RCRA metals

concentrations were compared to the "potentially toxic" levels. TPH as fuel oil was identified, below the "trigger" level, in sediment samples S-2 and S-3. In addition, the arsenic, barium, cadmium, chromium, lead, selenium and mercury concentrations identified in sediment samples S-1, S-2 and S-3 were below the "potentially toxic" levels (Coteau, 2009).

One (1) water sample was collected from the buried culvert on March 20, 2009. Based on the laboratory analytical results, benzene, toluene, ethyl benzene, TPH as gasoline, TPH as fuel oil and naphthalene were identified in the "sump" water sample collected from the buried culvert. Acetone, 2-butanone, chloroform, chloromethane, 1,2-dichloropropane, and styrene were identified in the "sump" water sample collected from the buried culvert. In addition, arsenic, barium and chromium were identified in the "sump" water sample collected from the buried culvert. The laboratory analytical results were compared to the South Dakota Ground Water Quality Standards (SDGWQS). The benzene and arsenic concentrations identified in the "sump" water sample collected from the buried culvert were above the SDGWQS. The acetone and 2-butanone concentrations detected in the "sump" water sample collected from the buried culvert are above the laboratory method detection limit. No SDGWQS exists for acetone or 2-butanone. However, because acetone and 2-butanone are potentially toxic compounds, the SDGWQS for these compounds is the laboratory method detection limit until a maximum contaminant level (MCL) or health advisory level is set by the Environmental Protection Agency (EPA). The water contained in the buried culvert was removed utilizing a vacuum truck provided by Safety-Kleen of Sioux Falls, South Dakota and disposed of at a waste water treatment facility in Indianapolis, Indiana (Coteau, 2009).

One (1) ground water sample was collected from the water-supply well on February 6, 2009 for laboratory analysis. Based on the laboratory analytical results, benzene, toluene, ethyl benzene, TPH as gasoline and TPH as fuel oil were identified in the ground water sample collected from the water well. Acetone, 2-butanone, chloroform, chloromethane, 1,2-dichloropropane and styrene were detected in the ground water sample collected from the water well on February 6, 2009. In addition, barium, phenol, 2-methyl phenol, 3&4 methyl phenol and benzoic acid were detected in the ground water sample collected from the water well on February 6, 2009. The benzene and styrene

concentrations identified in the ground water sample collected from the water well on February 6, 2009 were above the SDGWQS. The acetone, 2-butanone, chloromethane, phenol, 2-methyl phenol, 3&4 methyl phenol and benzoic acid concentrations detected in the ground water sample collected from the water well on February 6, 2009 were above the laboratory method detection limit. No SDGWQS exists for acetone, 2-butanone, chloromethane, phenol, 2-methyl phenol, 3&4 methyl phenol and benzoic acid. However, because acetone, 2-butanone, chloromethane, phenol, 2-methyl phenol, 3&4 methyl phenol and benzoic acid are potentially toxic compounds, the SDGWQS for these compounds is the laboratory method detection limit until a maximum contaminant level (MCL) or health advisory level is set by the Environmental Protection Agency (EPA). In addition, one (1) ground water sample was collected from the water well on March 2, 2009. This ground water sample was laboratory analyzed for benzene utilizing waste water methodology for disposal purposes (Coteau, 2009).

One (1) ground water sample was collected from the water well on April 28, 2009 after the withdrawal of approximately 1,950 gallons of water. Based on laboratory analysis, benzene, toluene, ethyl benzene, acetone, styrene and barium were identified in the ground water sample collected from the water well. The acetone concentration detected in the ground water sample collected from the water well on April 28, 2009 was above the laboratory method detection limit. No SDGWQS exists for acetone. However, because acetone is a potentially toxic compound, the SDGWQS for these compounds is the laboratory method detection limit until a maximum contaminant level (MCL) or health advisory level is set by the Environmental Protection Agency (EPA). Based on a water well search completed by Coteau, the closest well to the subject site is approximately 800 feet west of the subject site. This well is owned by the United States Geological Survey (USGS). The depth of this well was not reported. One (1) additional well was located at the FJ McLaughlin Company property located approximately 0.30 miles northeast of the subject site. Reportedly, this well is completed to a depth of approximately 80 to 90 feet. No other wells were reported in the vicinity of the subject site. A water line and sanitary sewer line are located along the east property boundary at the subject site. The water and sanitary sewer line are located at a depth of approximately six (6) to 10 feet bg. Based on the relatively low concentration of acetone and depth to water in the water well (approximately 30 feet below grade), potential risks associated with the remaining acetone concentration appears to be negligible. In addition, acetone is a common laboratory contaminant. Therefore, the acetone concentration may be due to laboratory interference (Coteau, 2009). The release site was closed on July 9, 2009.

#### Mallard Pointe Surgical

Mallard Pointe Surgical Center is located at 1201 Mickelson Dr. Ste. 2, Watertown, South Dakota (Figure 2). The property is utilized as a surgical center and outreach clinic. Based on an interview with the property manager on September 19, 2109, the property stores 250 gallons of diesel fuel in a steel tank utilized to fuel a generator (Masloski, 2019). No other bulk quantities of petroleum, chemicals or hazardous materials exist on the property, now or in the past. The property was developed in the 1990's, prior to being occupied by Mallard Pointe Surgical Center. The property is serviced by City of Watertown water, natural gas, electricity and sanitary sewer.

#### Vapor Intrusion

ASTM E 1527-13 requires that the environmental professionals identify the presence or likely presence of hazardous substances or petroleum products on the subject property due to a release, based on an understanding of the various pathways and how contamination is likely to migrate on to the property. The all appropriate inquiries associated with a Phase I ESA must include, within the scope of the investigation, an assessment of the real or potential occurrence of vapor migration and vapor releases on, at, in or on to the subject property. Prairie evaluated the potential for vapor intrusion impacts from petroleum or chemical spill sites on the subject property and adjacent properties. Distance and ground water flow direction considerations were evaluated. Based on review of the local, state and federal database sites and distance and ground water flow considerations, the potential for vapor intrusion impacts to the subject property is negligible.

#### REGULATORY SEARCH

#### **Federal**

A federal database search was conducted to identify potential toxic and hazardous waste sites within the immediate area of the subject property. The federal database search was conducted by Environmental Data Resources, Inc. (EDR) (Appendix II). Depending on the type of federal sites, the search radius was established based on ASTM standards and varied from within 0.25 mile to 1.0 mile of the property. The federal database search results are included in Appendix II.

Four (4) sites of concern was identified by the federal database search performed by EDR. These sites included Sparton Onyx, LLC, 2920 Kelly Avenue, 0-1/8 mile west of the subject property, Walmart Supercenter, 1201 29<sup>th</sup> Street SE, 0-1/8 mile west of the subject property, Benchmark Foam, 3200 9<sup>th</sup> Avenue SE, 1/8-1/4 mile northwest west of the subject property and Enercept, Inc., 3100 9<sup>th</sup> Avenue SE, 1/8-1/4 mile northwest of the subject property. These sites were identified as small quantity generator (SQG) sites. A SQG site is a site that generates between 100 and 1,000 kilograms (kg) of hazardous waste per month.

#### State

EDR searched records maintained by the South Dakota DENR. Four (4) release sites was identified, based on the search of the DENR records completed by EDR, within 0.5 mile of the subject property. Two (2) leaking underground storage tank (LUST) sites were identified on the DENR LUST list within 0.5 mile of the subject property including the I-29 Shell, 825 35<sup>th</sup> Street Circle or Pump N' Pack (DENR No.2003.138), 1/8-1/4 mile north-northeast of the subject property and J&M Trucking Nozzle Spill, Stone's Truck Stop, I-29 & U.S. Highway 212, 1/4-1/2 mile east-north east of the subject property (DENR No. 2004.200). A spill was also identified on the Stone's Truck Stop property. Coteau Environmental conducted a Tier 2 RBCA assessment of the Stones Truck Stop property during October 2004. Six (6) ground water monitoring wells were installed at the site. A Tier 2 RBCA report was completed by Prairie dated April 20, 2005 (Coteau, 2005). Following two (2) rounds of ground water monitoring, the site was closed by the DENR. The J&M Trucking Diesel Spill (DENR No. 2004.200) involved 60 gallons of

diesel fuel on the Stones Truck Stop property and was reported on December 19, 2004. The spill site was closed on March 18, 2005. These spill sites are at a higher elevation than the subject property. The Certified Ready Site (subject property) (DENR No. 2013050) and the McClaughlin and Schultz Site (DENR No. 2016.067) were also identified as South Dakota Spill Sites (Appendix II). The McClaughlin and Schultz site was also identified as a SD SWRCY (Businesses that accept recyclables) site.

One (1) UST site was identified in the search conducted by EDR on the UST list of the DENR database. This site was reported as the I-29 Shell, within 0.294 mile north-northeast of the subject property. This site is identified at a higher elevation than the subject property.

Two (2) additional environmental records were identified by EDR in the vicinity of the subject property. The Sparton Onyx, LLC site at 2920 Kelly Avenue, 0-1/8 mile northwest of the subject property, was identified as a WI Manifest site, a hazardous waste manifest information site and a FINDS and ECHO site. This site is at a lower elevation with respect to the subject property. In addition, the Watertown Development Company (subject property) and the Terex Utilities sites were also identified as SD National Pollution Discharge Elimination Sites (NPDES) sites. These sites were identified at a higher elevation than the subject property.

#### Local

Local records regarding spill incidents at or in the vicinity of the subject property were searched from the City of Watertown Fire Department. Based on a conversation with the City of Watertown Fire Department, these spill records are not kept by the Watertown Fire Department.

#### **CONCLUSIONS**

Prairie conducted a Phase I ESA of the property located near the intersection of 17<sup>th</sup> Ave. SE, 15<sup>th</sup> Avenue SE, 13<sup>th</sup> Ave. SE and 33<sup>rd</sup> Street SE in Watertown, South Dakota. The results of the site inspection by Prairie on August 30, 2019 revealed vacant lots. No evidence of bulk quantities of petroleum, chemicals or hazardous materials were identified on the subject property. In addition, interviews with managers/owners of adjacent

properties revealed bulk storage of diesel fuel associated with backup electrical generators on the Premier Bankcard and Mallard Pointe Surgical properties. These above ground storage tanks are double walled. These storage tanks do not represent a recognized environmental condition (REC) of the subject property.

A release from Stone's Truck Stop, 0.25 mile northeast and upgradient of the subject property was reported to the South Dakota DENR on May 18, 2004. Coteau Environmental conducted a Tier 2 RBCA assessment of the release site during October of 2004. The release was closed by the DENR on September 16, 2005. This release site represents a historical recognized environmental condition (HREC) of the subject property. A second release was identified for the Benchmark Foam property adjacent to the subject property on December 6, 2008. An environmental site assessment was completed and no significant impacts were identified. The release site was closed on July 9, 2009. This site does not represent a REC of the subject property.

Two (2) additional leaking underground storage tank (LUST) sites were identified on the DENR LUST list within 0.5 mile of the subject property including the I-29 Shell, 825 35<sup>th</sup> Street Circle or Pump N' Pack (DENR No.2003.138) and the J&M Trucking Nozzle Spill (DENR 2002.200). These sites were closed by the DENR and represent HREC of the subject property.

Four (4) federal SQG sites were identified within 0.25 mile of the subject property. These sites do not represent a REC of the subject property.

Two (2) additional environmental records were identified by EDR in the vicinity of the subject property. The Sparton Onyx, LLC site at 2920 Kelly Avenue, 0-1/8 mile northwest of the subject property, was identified as a WI Manifest site. The Sparton Onyx, LLC site was at a lower elevation than the subject property and does not represent a REC of the subject property.

Historical data review identified aerial photographs for the years of 1952, 1953, 1966, 1971, 1975, 1977, 1984, 1991, 1992, 1998, 1999, 2000, 2002, 2004, 2008, 2010, 2012, 2014, 2016 and 2018. Based on the aerial photographs, the first indication of development adjacent to the subject property was in the 1998 aerial photo and consisted of the Redlin Center and the Premier Bankcard properties. These properties were undeveloped in the 1991 aerial photograph. Reportedly, the Redlin Center was developed

in 1997. Based on personal communication with the owner of the property in 2013, the site was acquired by the Watertown Development Co. in 1992 (Stein, 2013).

County Atlas Maps were obtained for the years 1905, 1956, 1966, 1979, 1989, 1999 and 2007. Based on review of aerial photography, the subject properties were vacant 1952, 1953, 1966, 1971, 1975, 1977, 1984, 1991, 1992, 1998, 1999, 2000, 2002, 2004, 2008, 2010, 2012, 2014, 2016 and 2018. Based on County Atlas Maps, the properties were vacant in 1910, 1956, 1966, 1979, 1989, 1999 and 2007, the subject properties were vacant. Local records regarding spill incidents at or in the vicinity of the subject property were searched from the City of Watertown Fire Department. Based on a conversation with officials for the City of Watertown, these records are not kept by the Watertown Fire Department.

#### RECOMMENDATIONS

Based on the results of the site inspection, personal interviews and review of historical data, the subject property does not represent a REC. In addition, no REC's or HREC were identified on adjacent properties or properties within the ASTM radius of the subject property. Therefore, no additional site assessment is recommended at this time.

#### STANDARD OF CARE

This Phase I ESA was completed in accordance with ASTM D 1527-13 standards and federal "All Appropriate Inquiry" standard, as that term is defined in CERCLA, 42 U.S.C. 9601(35)(B). The conclusions and opinions presented in this report by Prairie are based only on the information generated during this assessment and represent Prairie's professional opinion. Prairie personnel meet the qualifications of an environmental professional as defined in §312.10 of 40 CFR Part 312 and possess the specific qualifications necessary to conduct an ASTM-compliant Phase I ESA. In addition, this report was completed in conformance with the standards and practices set forth in 40 CFR Part 312. Please note that a title search was not conducted during preparation of this ESA as this is normally completed as part of a typical property transfer. The services performed by Prairie during completion of this assessment have been conducted with the level of care and skill ordinarily exercised by reputable members of the profession,

practicing in the same locality, under similar budget and time constraints. No warranty is made or intended.

#### REFERENCES

Coteau Environmental, 2005, Tier 2 Risk-Based Corrective Action Report, Stone's Truck Stop, Watertown, South Dakota, April 20, 2005.

Coteau Environmental, 2009, Additional Environmental Site Assessment, Benchmark Foam Inc., 3200 9<sup>th</sup> Avenue SE, Watertown, South Dakota DENR No. 2008.229.

Devine, T., 2013, personal communication, former owner, Benchmark Foam, Watertown, South Dakota.

Hansen, D.S., 1994, Major aquifers in Codington and Grant counties, South Dakota: Information Pamphlet 47, South Dakota Geological Survey, Vermillion, South Dakota, 16 n.

Fjeldheim, T., 2019, personal communication, director, Farm Credit Services, Watertown, South Dakota.

Hoff, R., 2019 personal communication, property manager, Premier Bank Card, Watertown, South Dakota.

Kannas, J., 2019, personal communication, property manager, Sparton Co., 2920 Kelly Ave. Watertown, South Dakota.

Masloski, R., 2019, personal communication, property manager, Mallard Pointe Surgical Center, Watertown, South Dakota.

Moore, E., 2019, personal communication, Facility Manager, Terex, 33<sup>rd</sup> Street SE and 17<sup>th</sup> Ave. SE, Watertown, South Dakota

Owen, J., 2019, personal communication, realtor, Verifications, Watertown, South Dakota

Ranum, J., 2019, personal communication, Executive Director, Redlin Art Center, Watertown, South Dakota.

Ryder, B., 2019, personal communication, Pres./CEO, Benchmark Foam, Watertown, South Dakota.

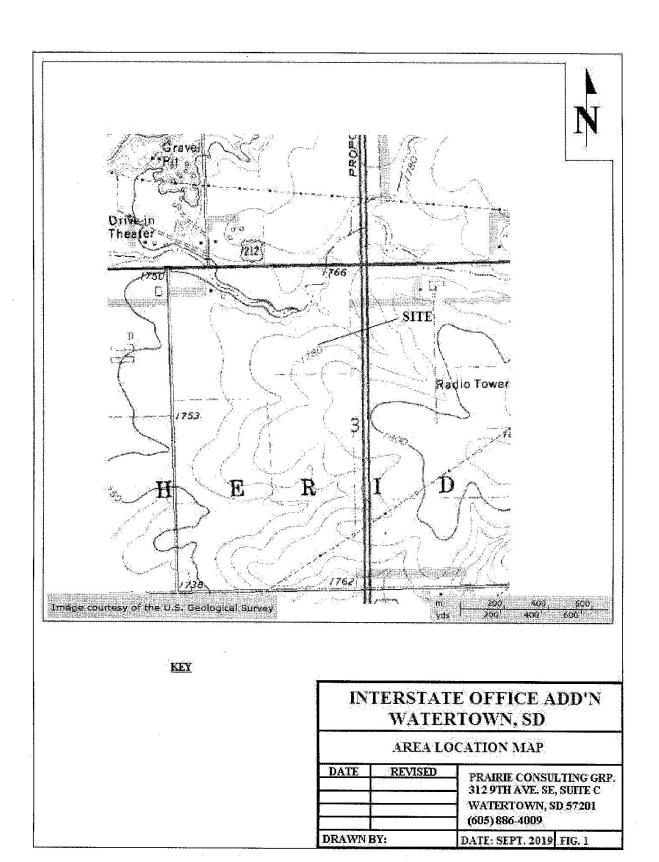
Rukstad, L.R. and Hedges, L.S., 1964, Ground water supply for the City of Watertown: Special Report 28, South Dakota Geological Survey, 32 p.

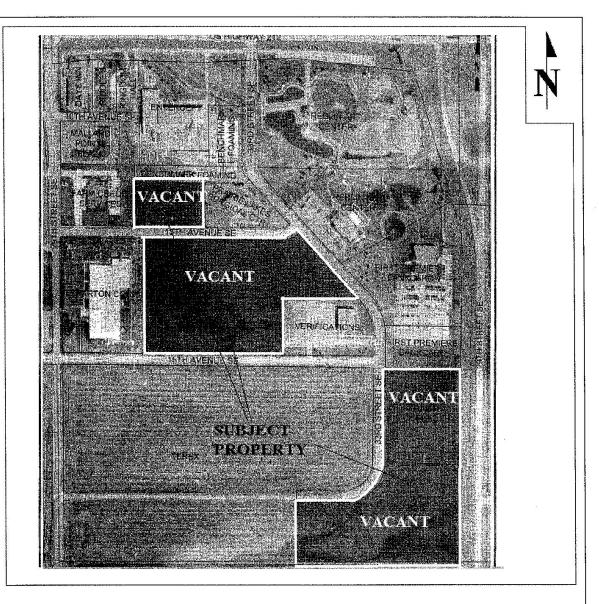
Steece, F.V., 1957, Geology of the Watertown Quadrangle, South Dakota, South Dakota Geological Survey.

Steece, F.V., 1958, Geology and shallow ground water resources of the Watertown-Estelline area: Report of Investigation no. 85, South Dakota Geological Survey, 36 p.

Stein, T., 2013, email communication, Director of Business Development, Watertown Development Co., Watertown, South Dakota.

**FIGURES** 





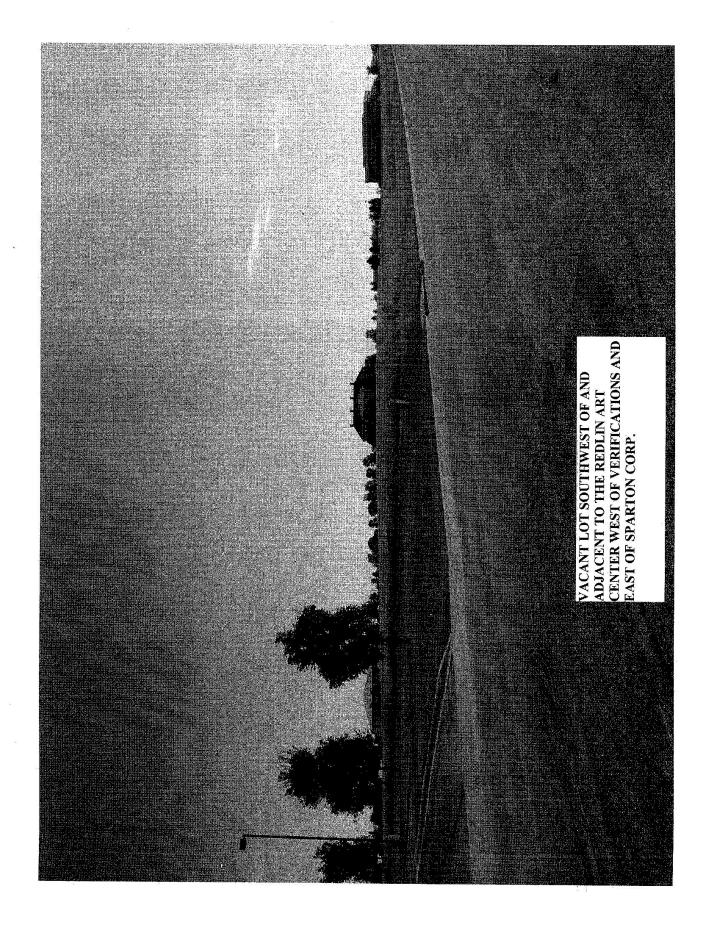
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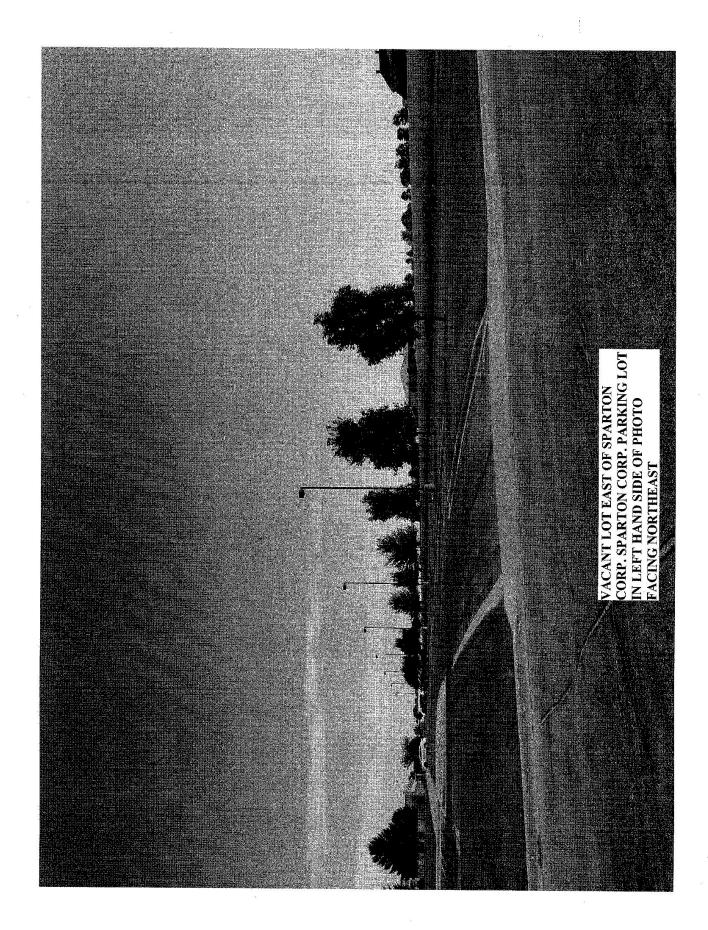
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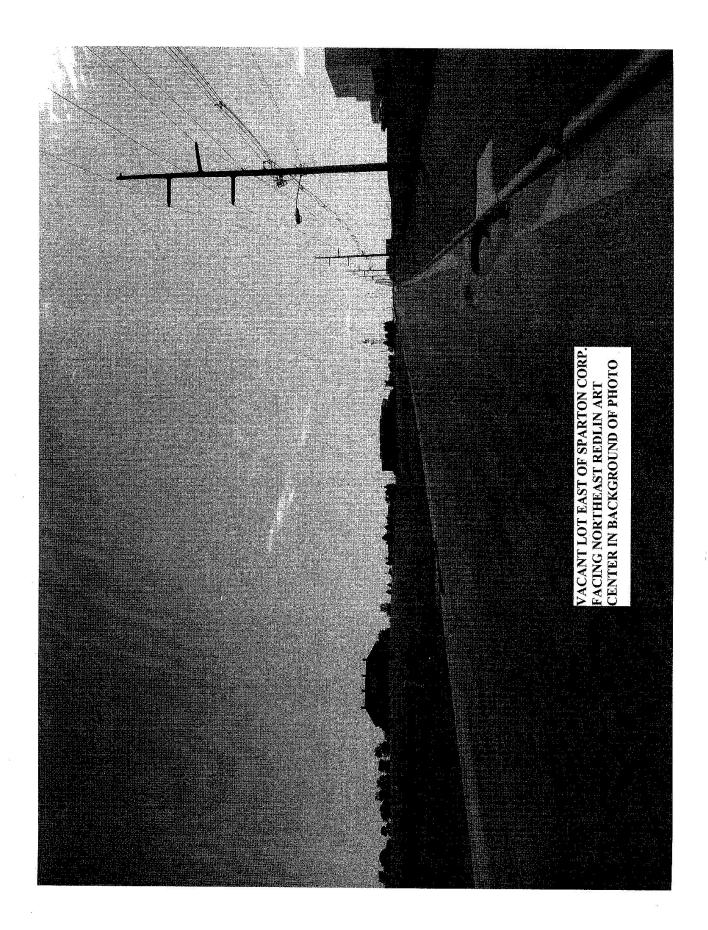
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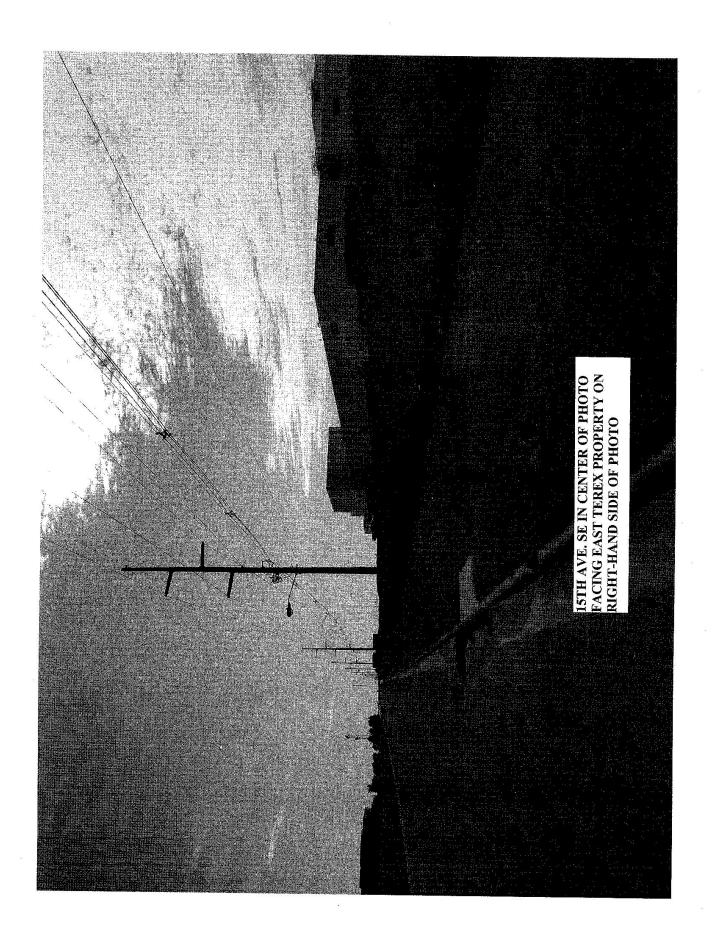
# | DATE | REVISED | PRAIRIE CONSULTING GRP. | 312 9TH AVE. SE, SUITE C | WATERTOWN, SD 57201 | (605) 886-4009 | DRAWN BY: | DATE: SEPT. 2019 | FIG. 2

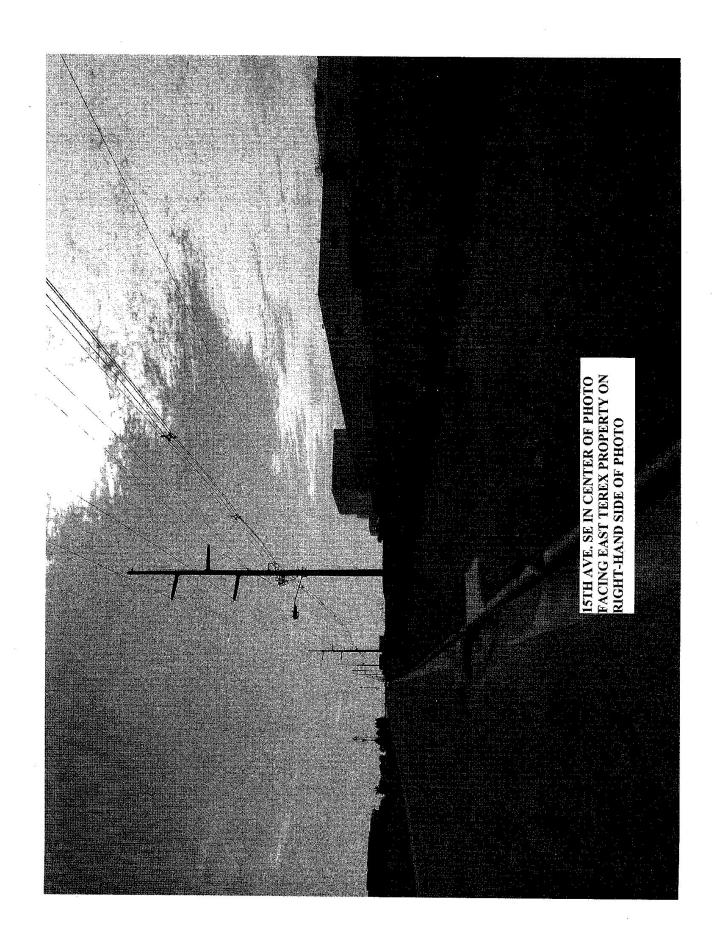
### APPENDIX I SITE PHOTOGRAPHS

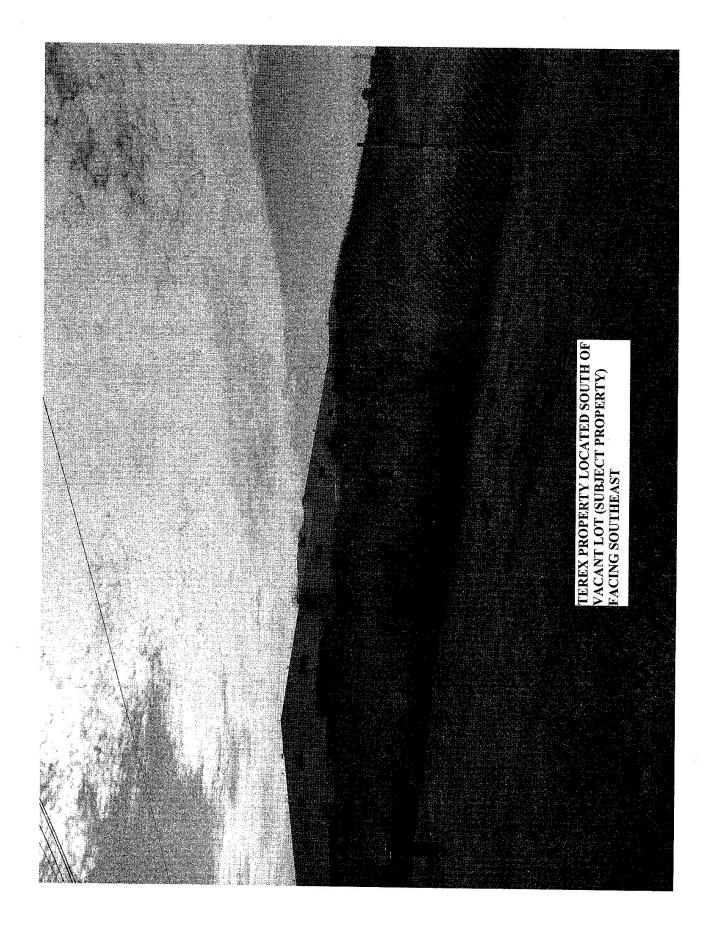


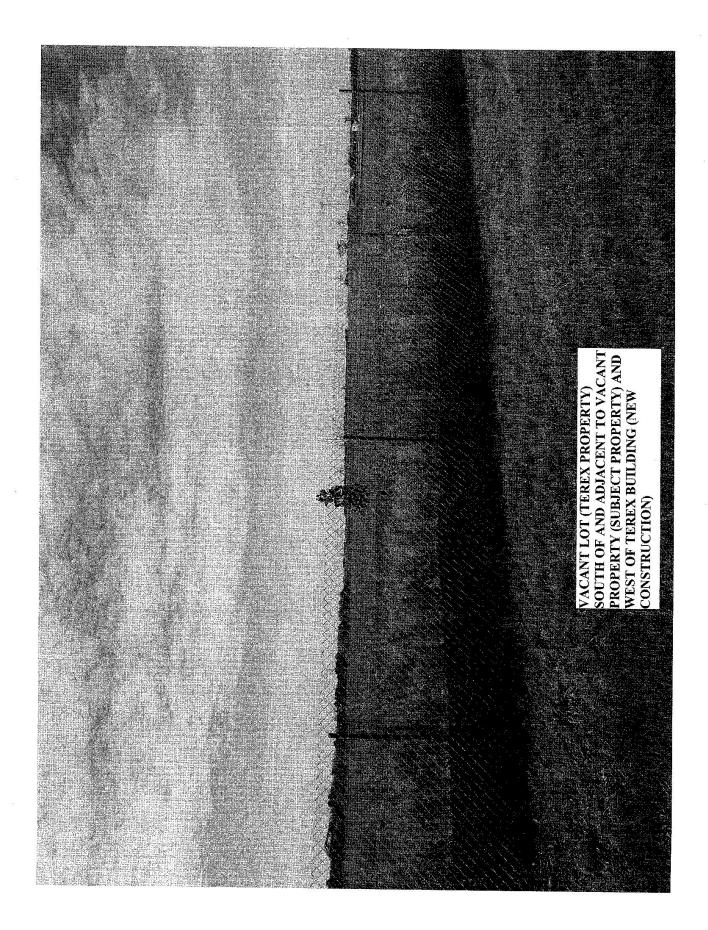


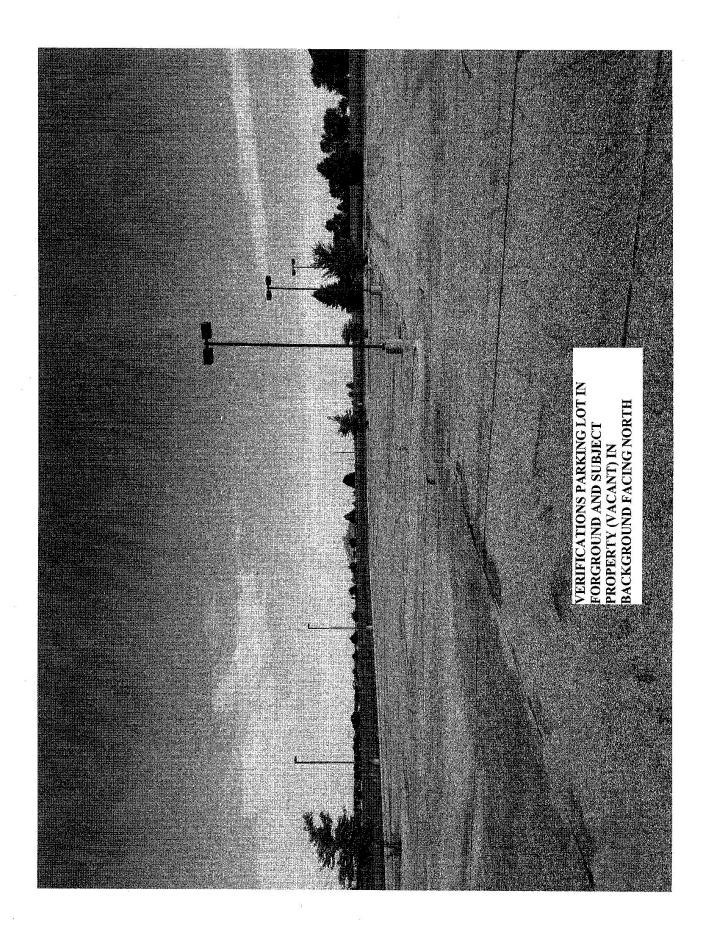


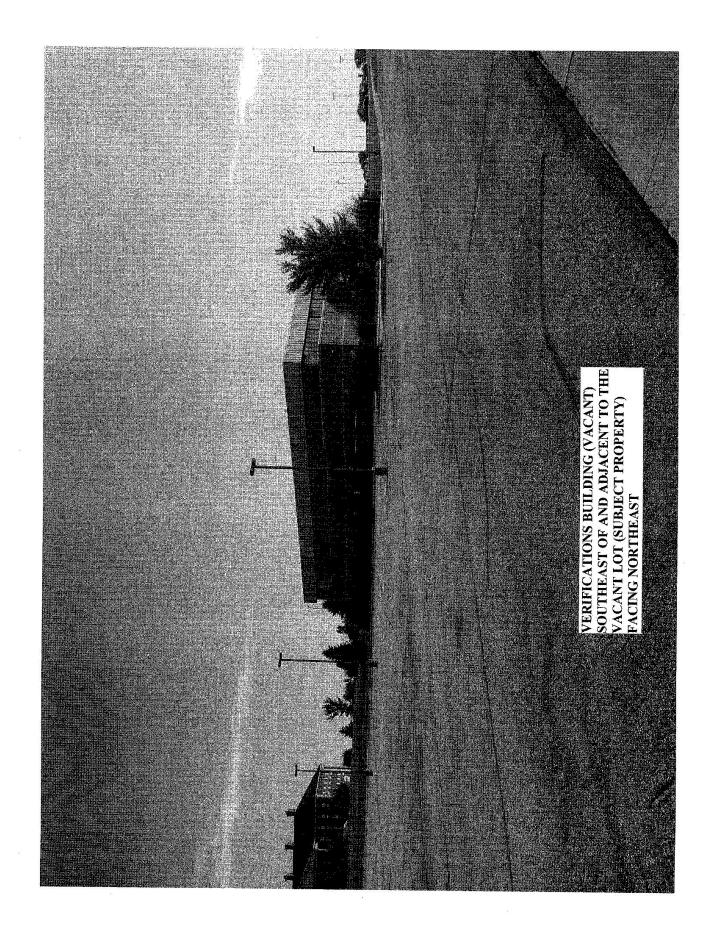


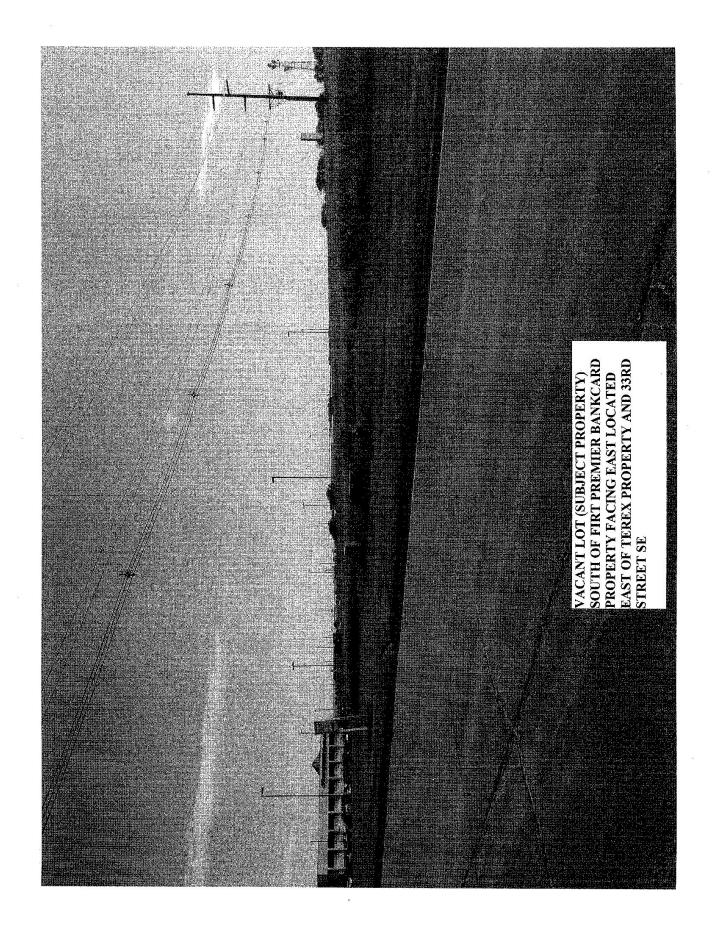


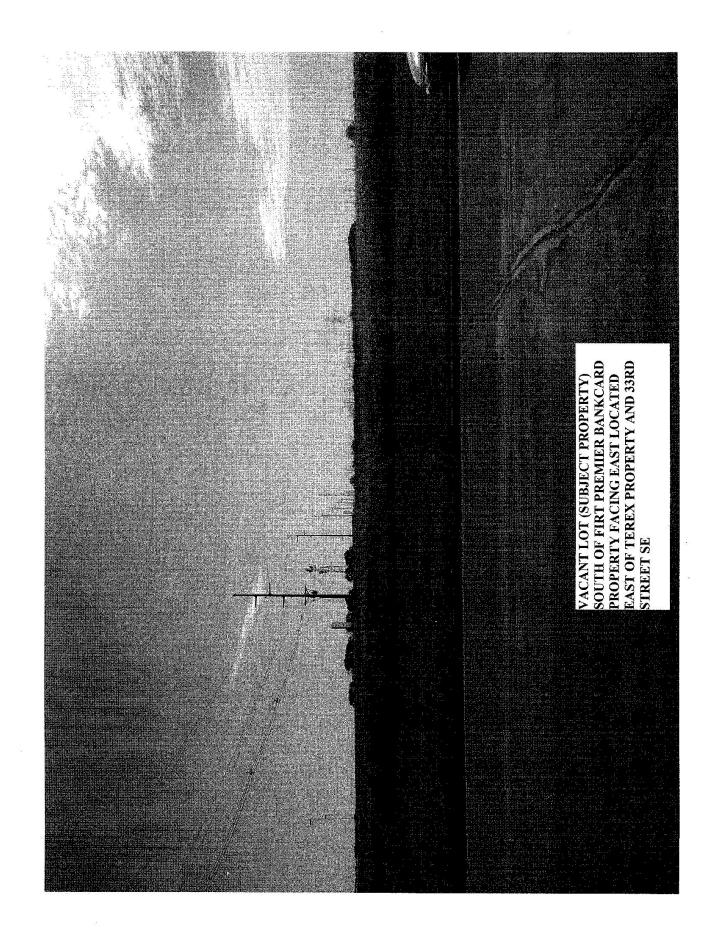


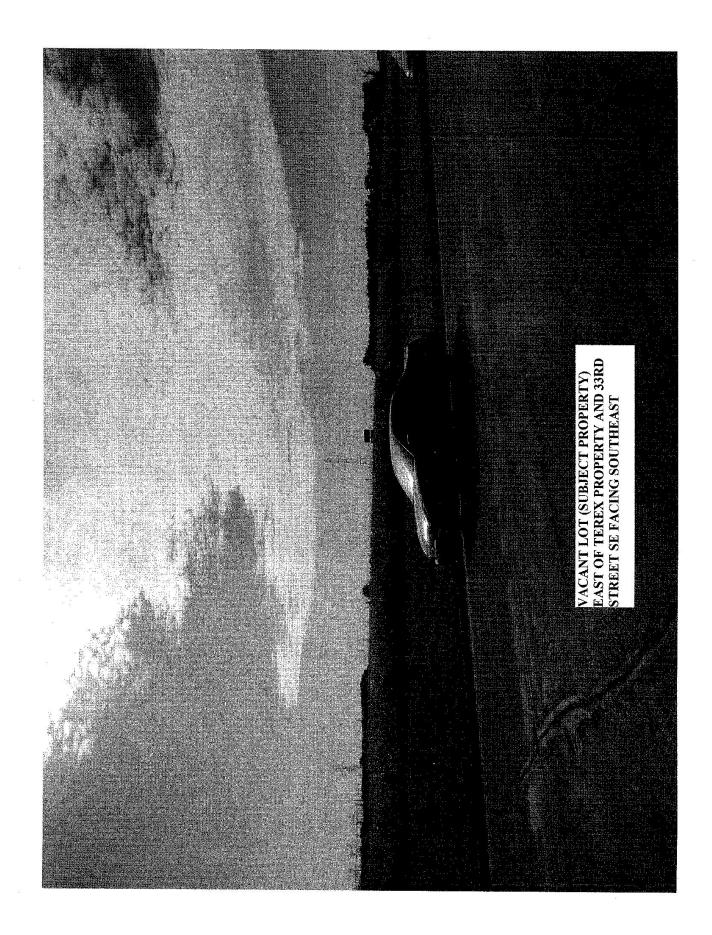




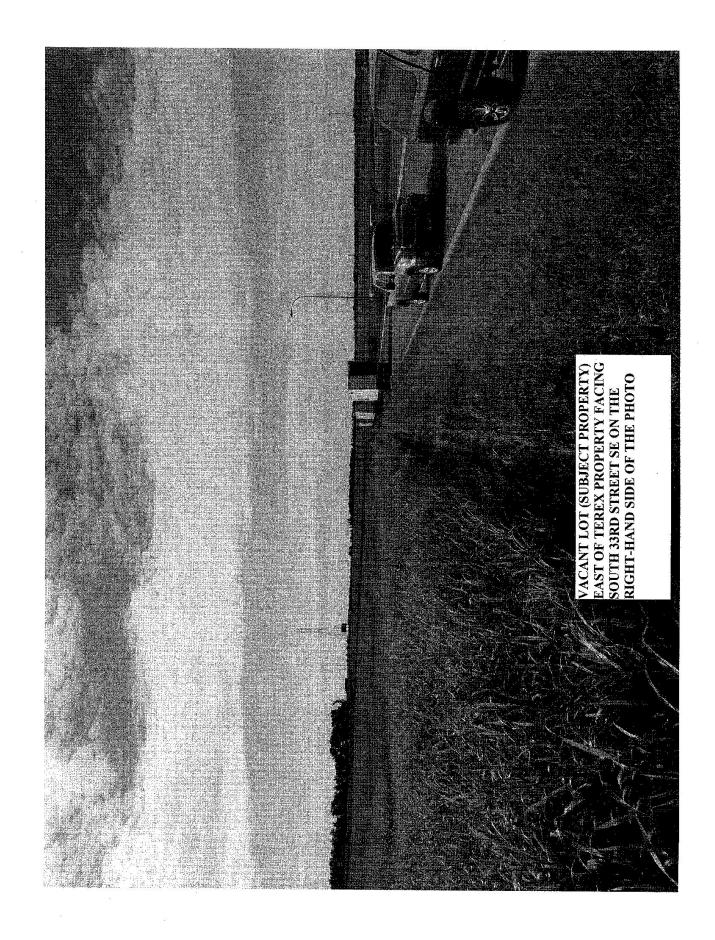


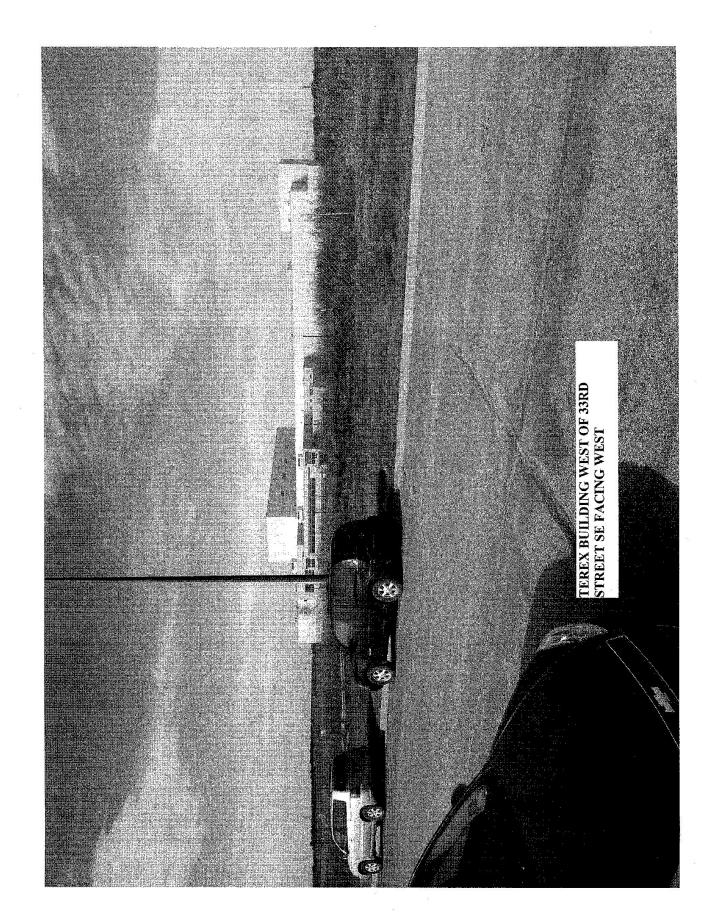


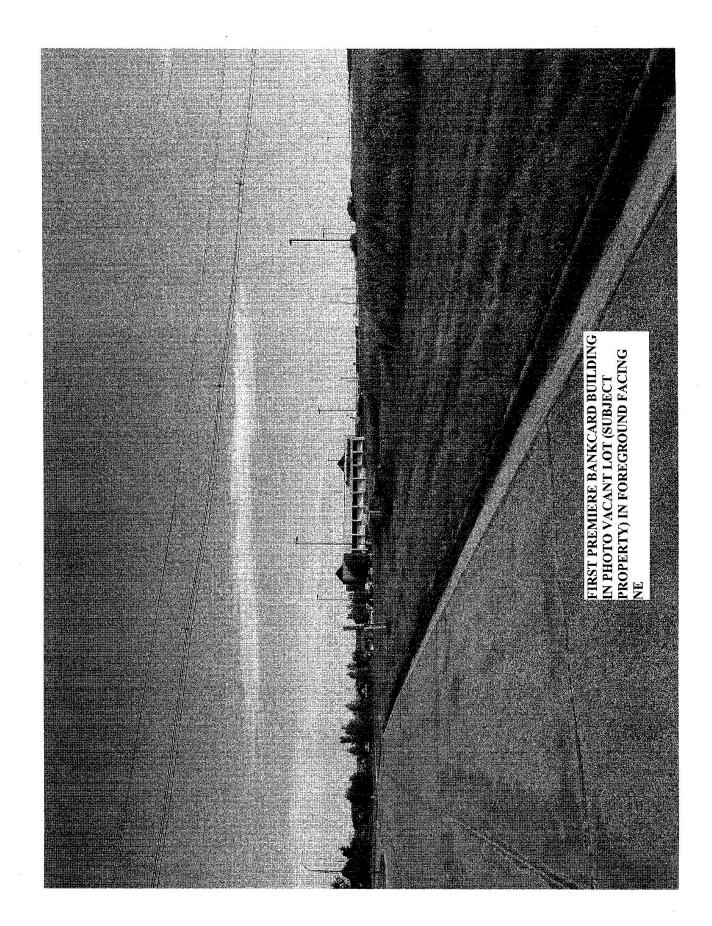


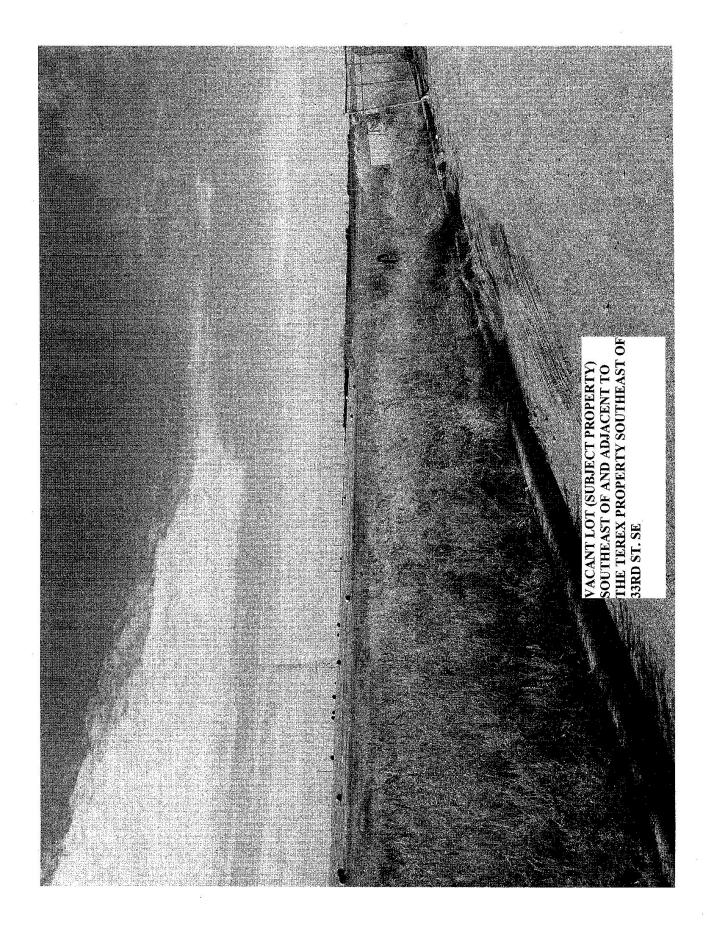


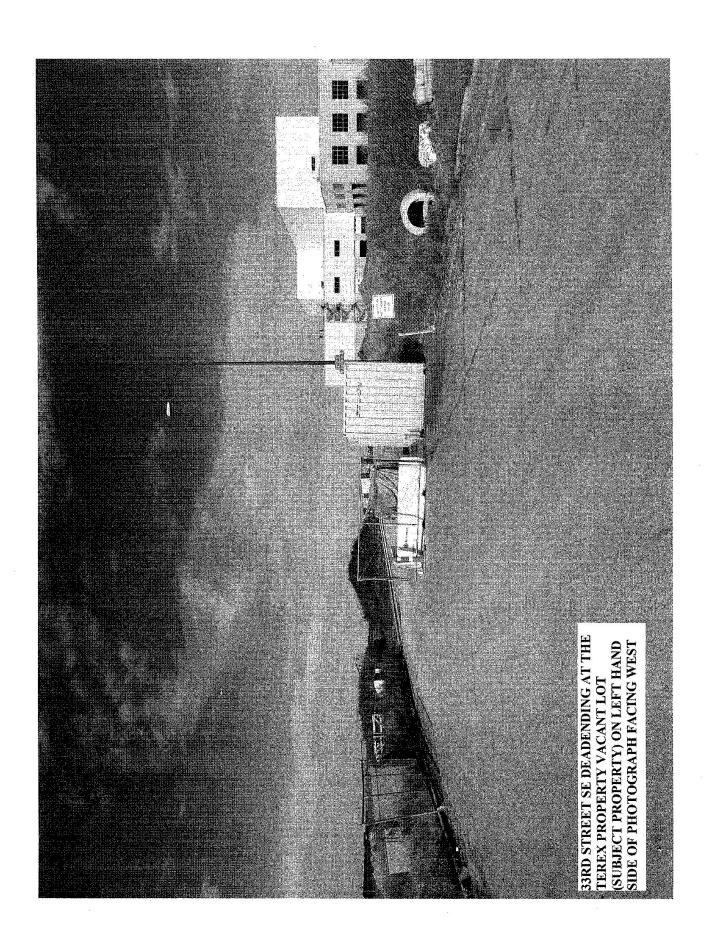


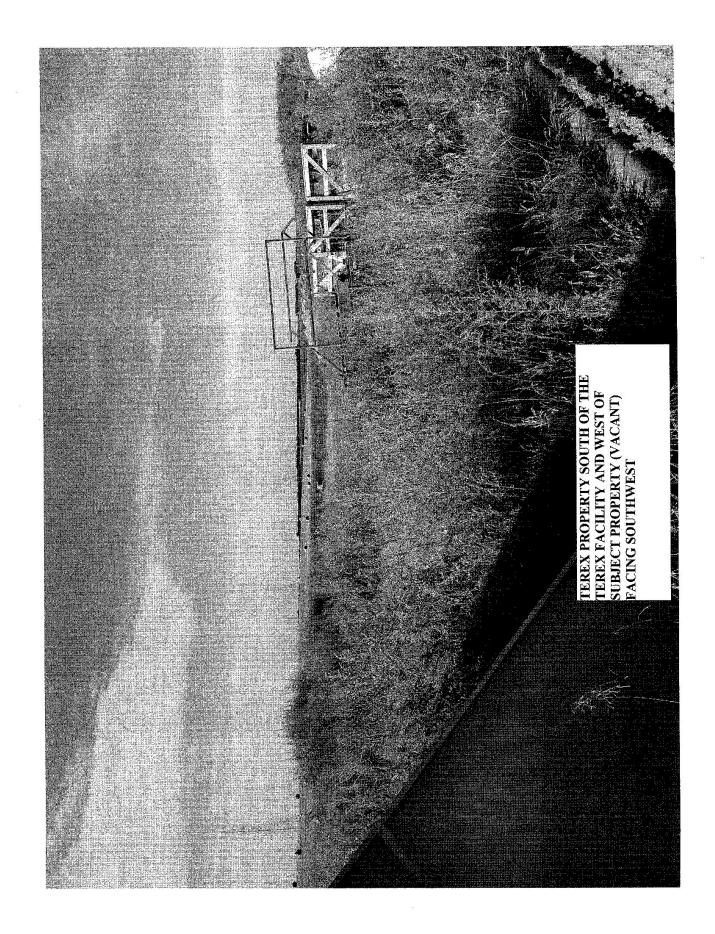


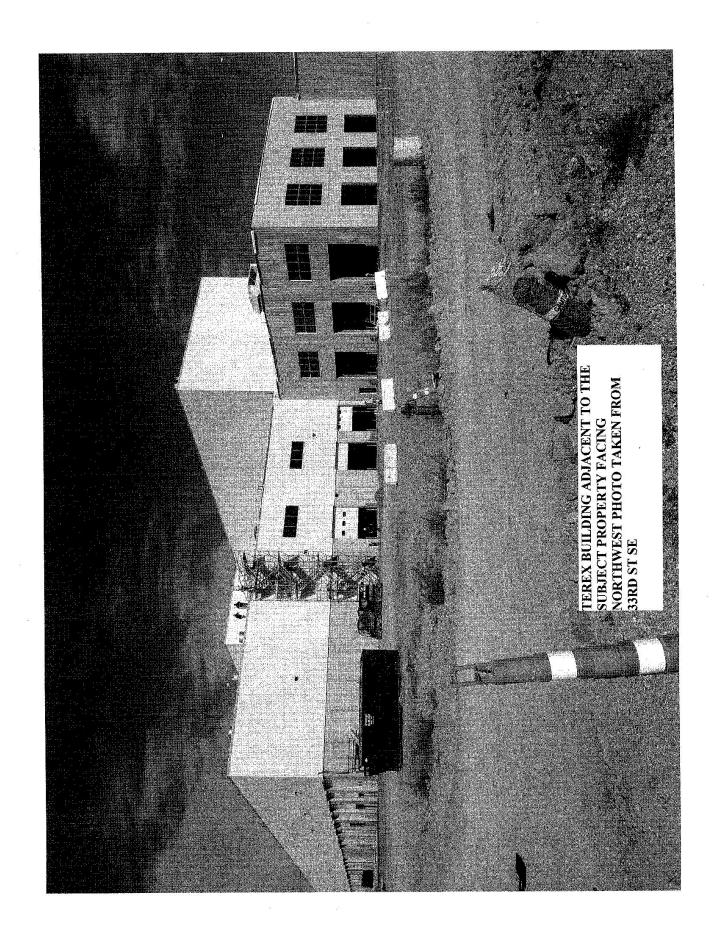


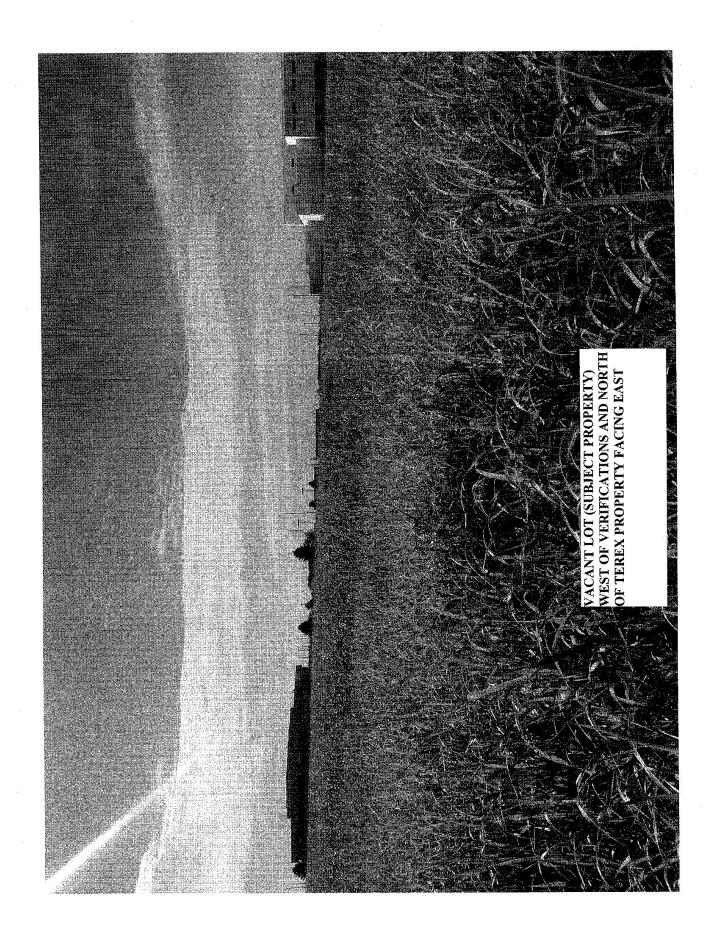


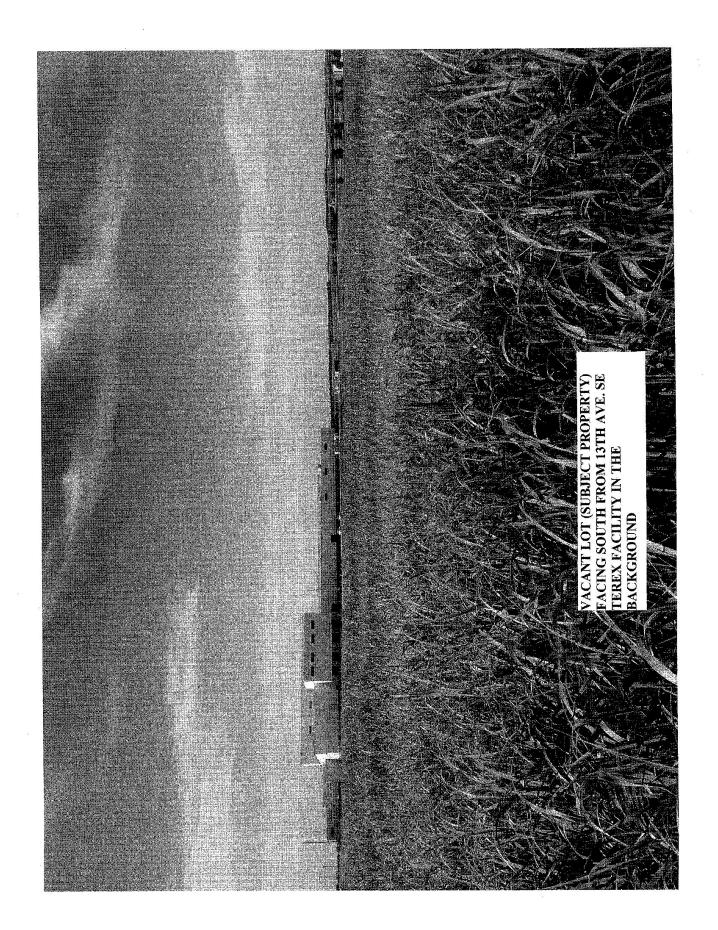


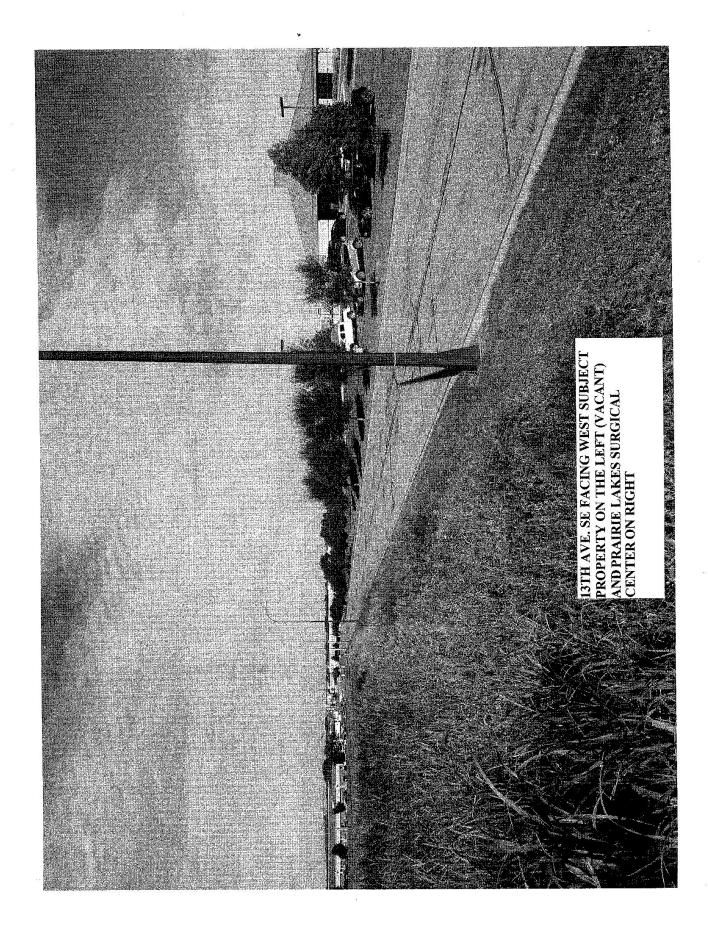


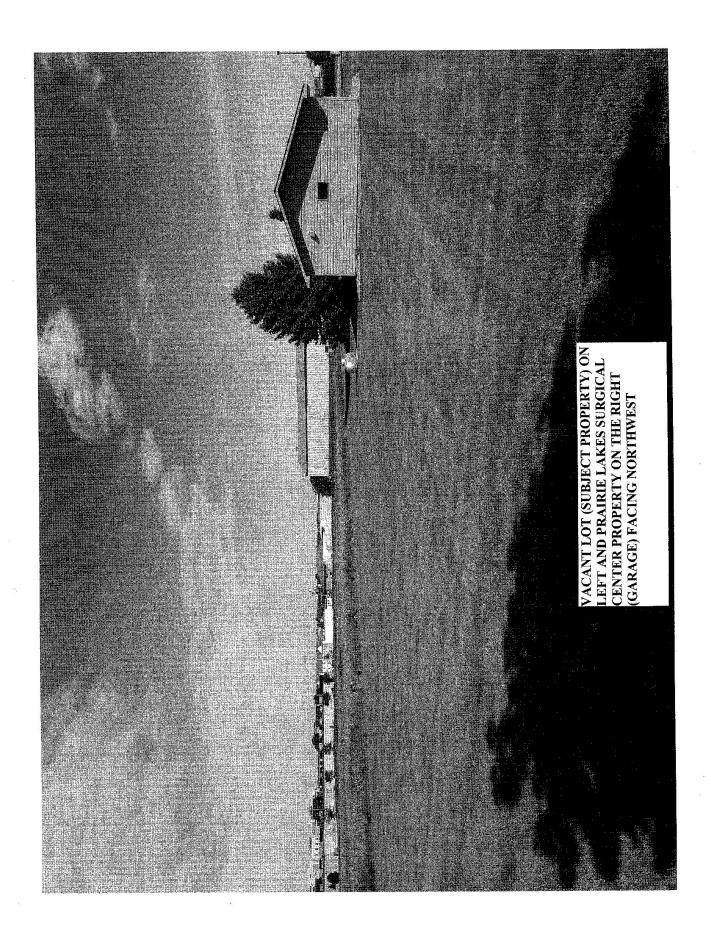


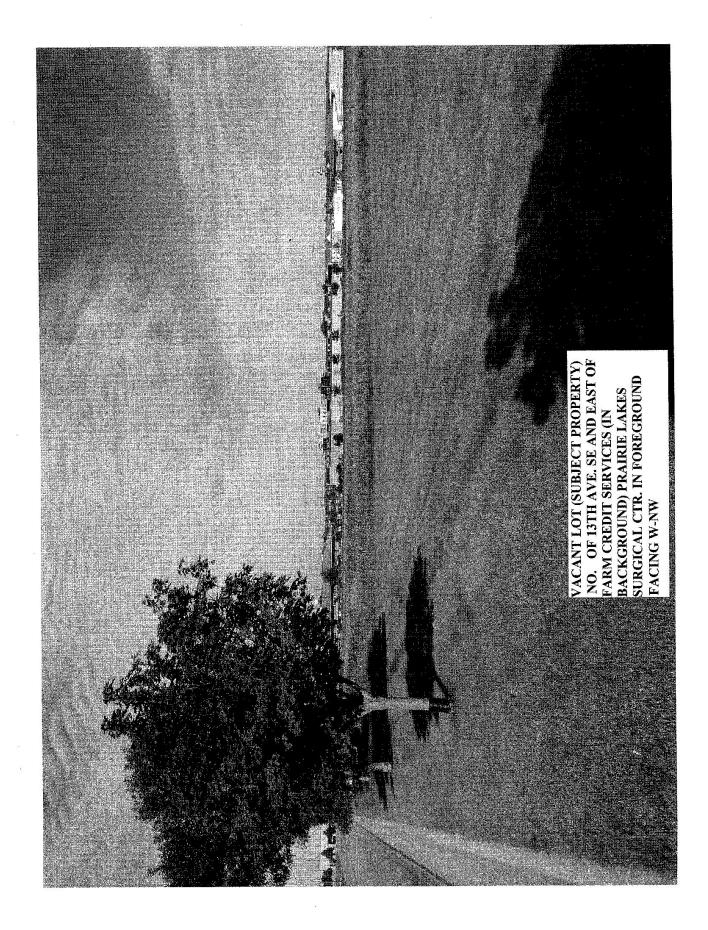


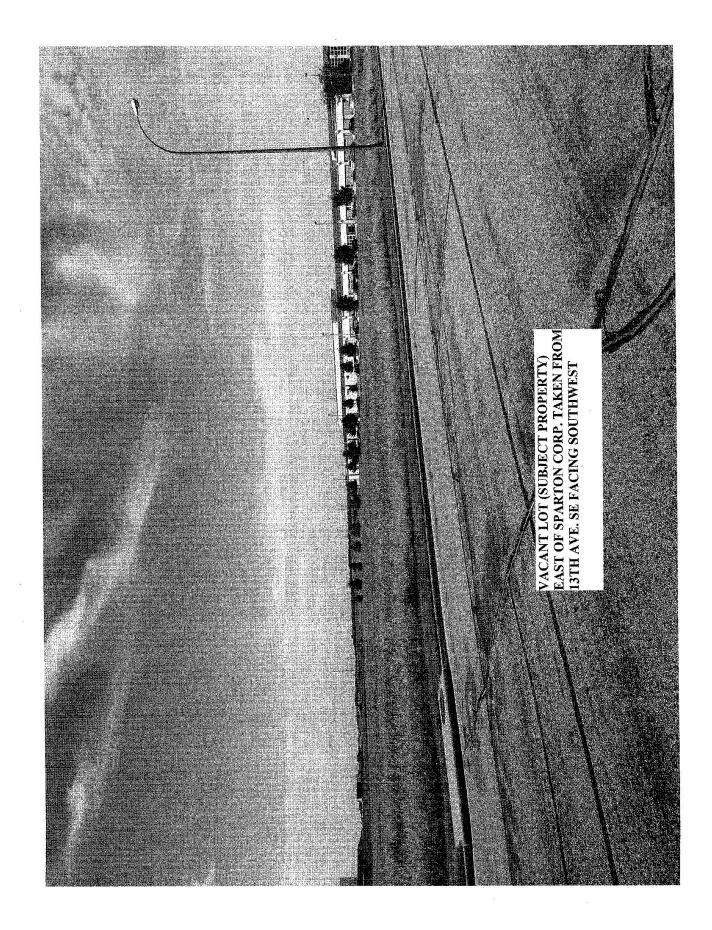


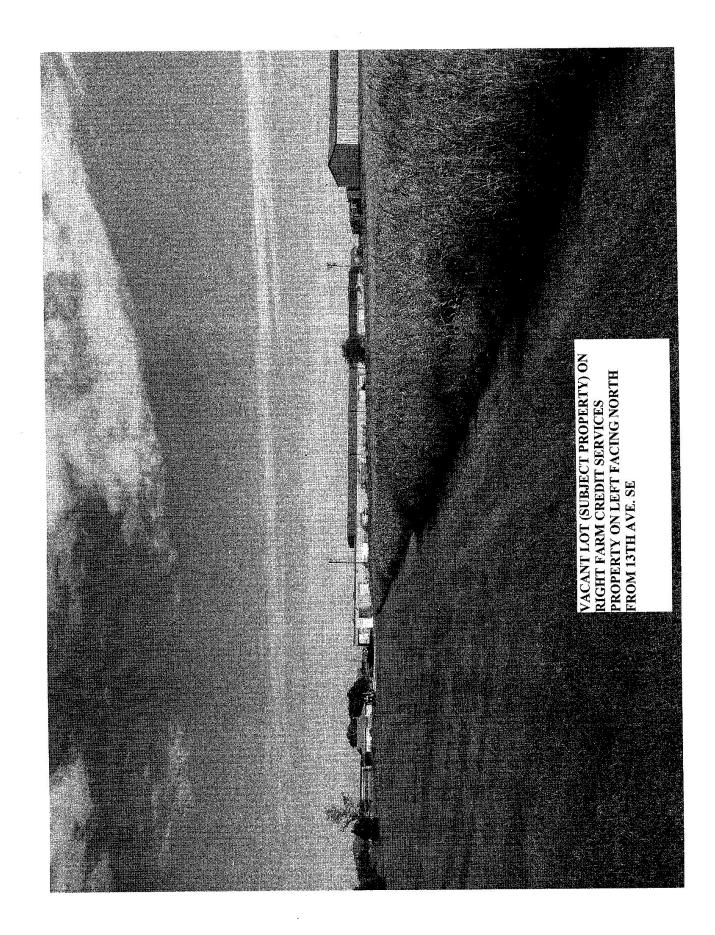


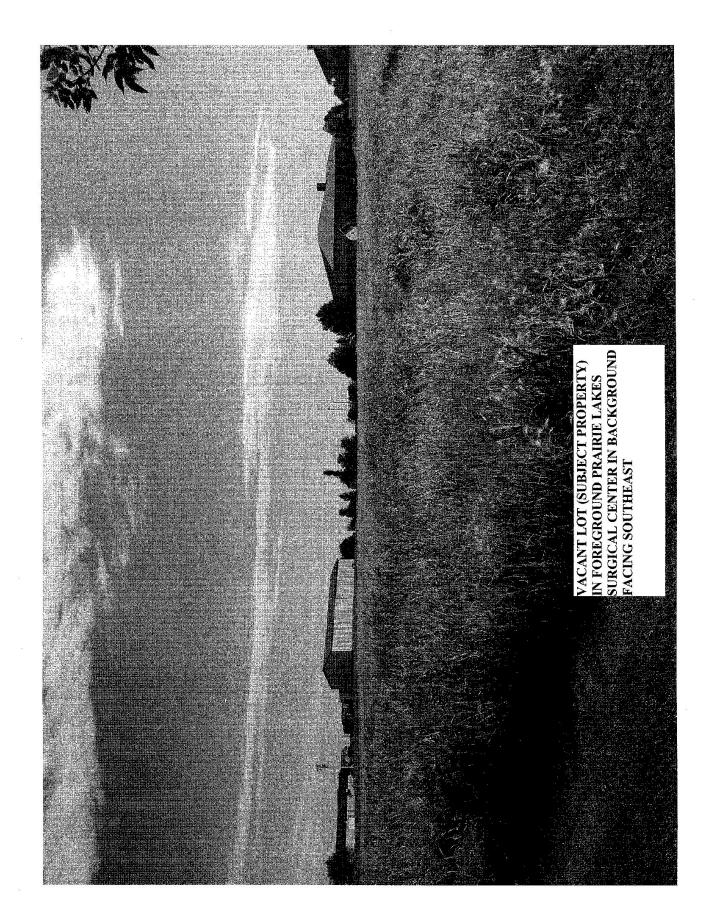


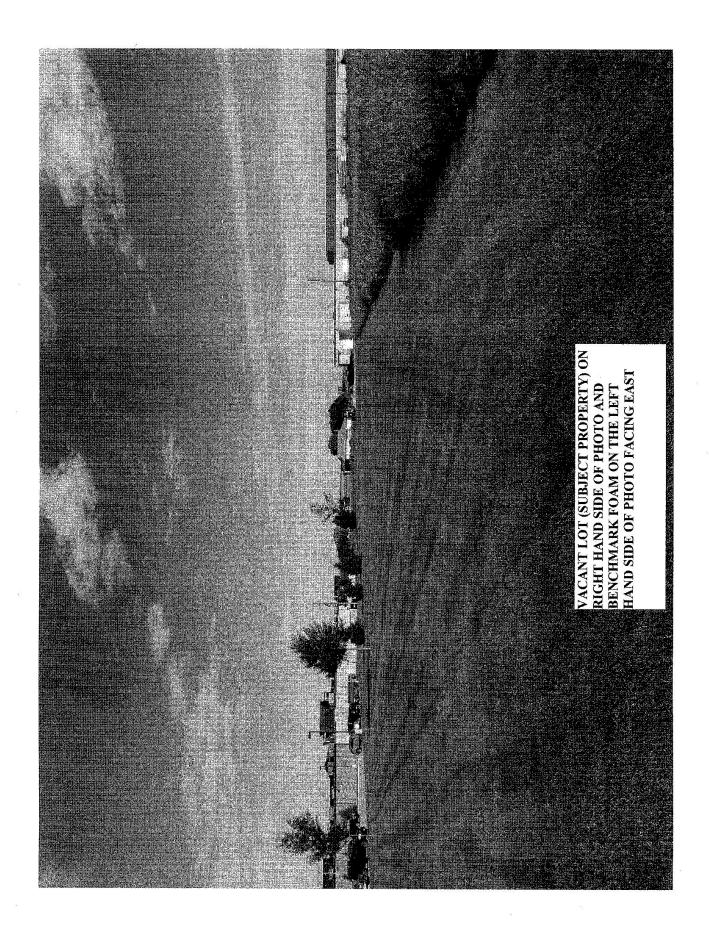


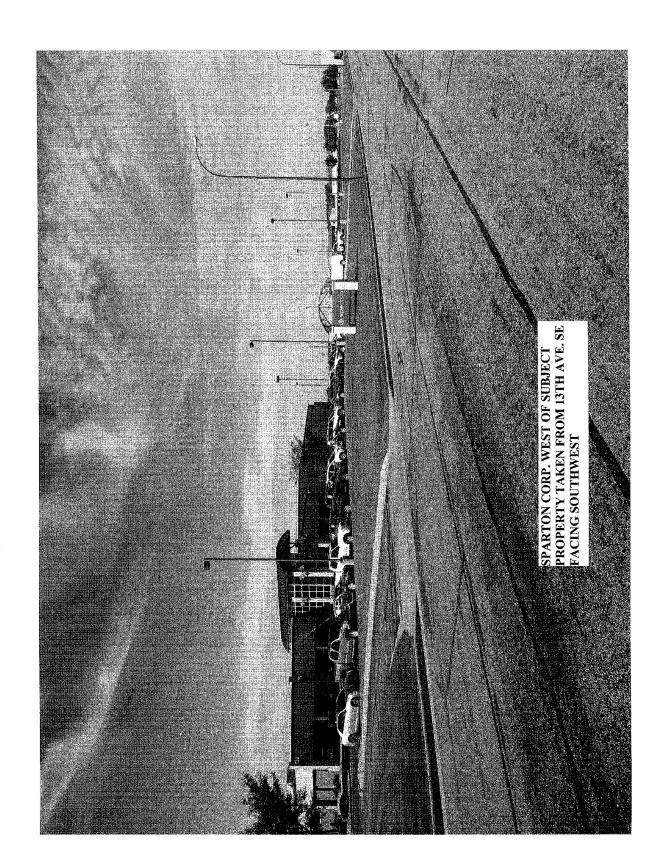












APPENDIX II

EDR REPORT

## APPENDIX III SANBORN® MAP REPORT

Interstate Office Addition 1200 33rd Street SE Watertown, SD 57201

Inquiry Number: 5788618.3

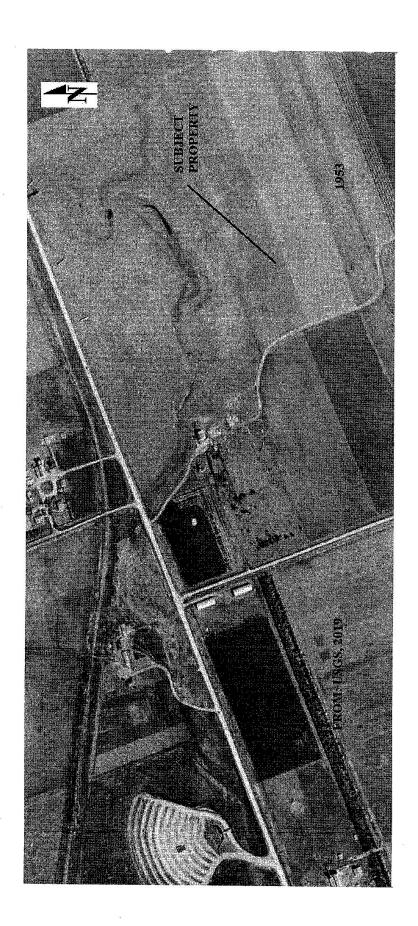
September 13, 2019

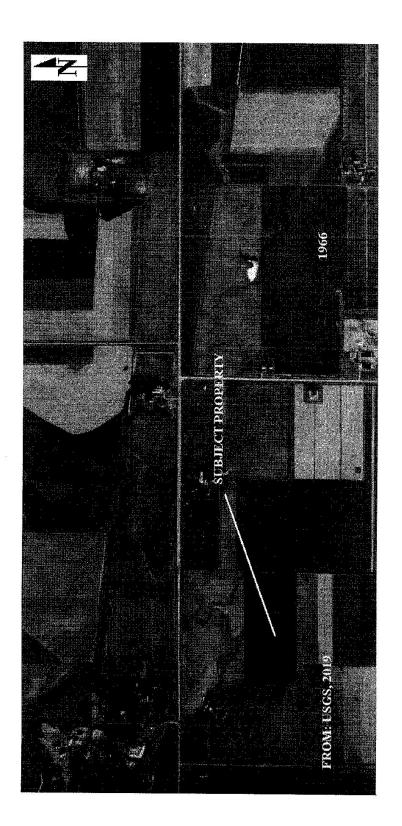
## Certified Sanborn® Map Report

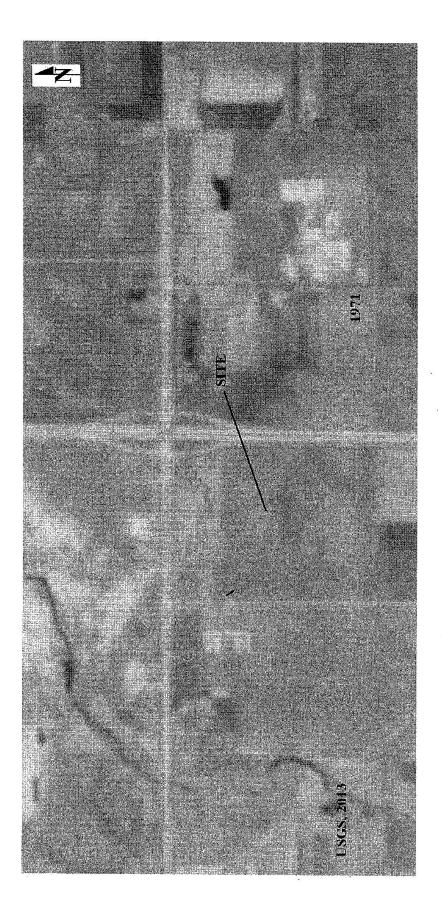


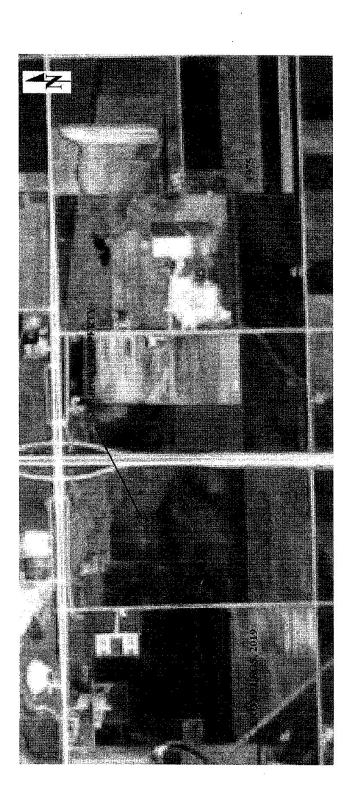
6 Armstrong Road, 4th floor Shelton, CT 06484 Toll Free: 800.352.0050 www.edmet.com

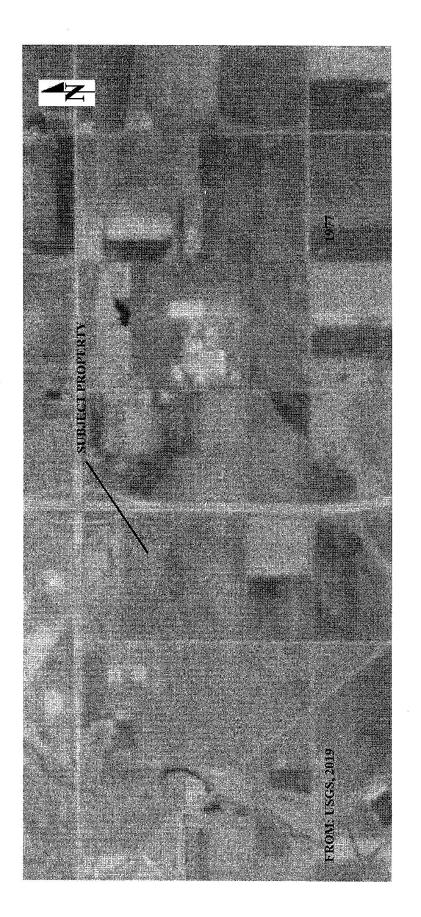
## APPENDIX IV AERIAL PHOTOGRAPHS



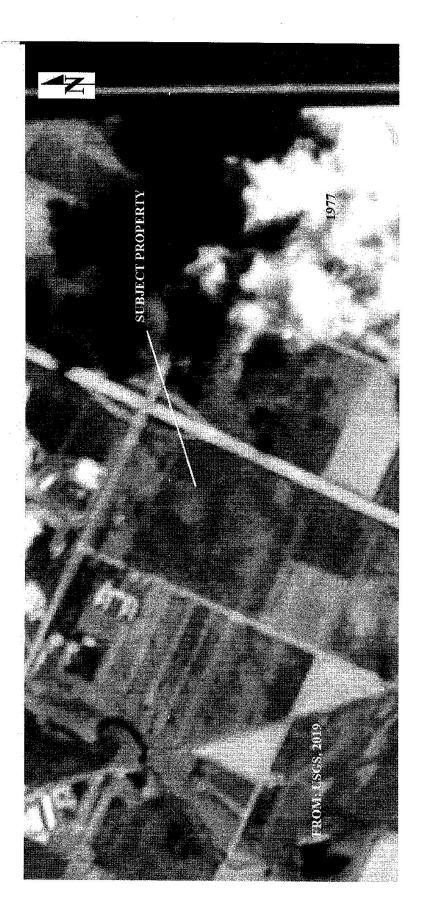


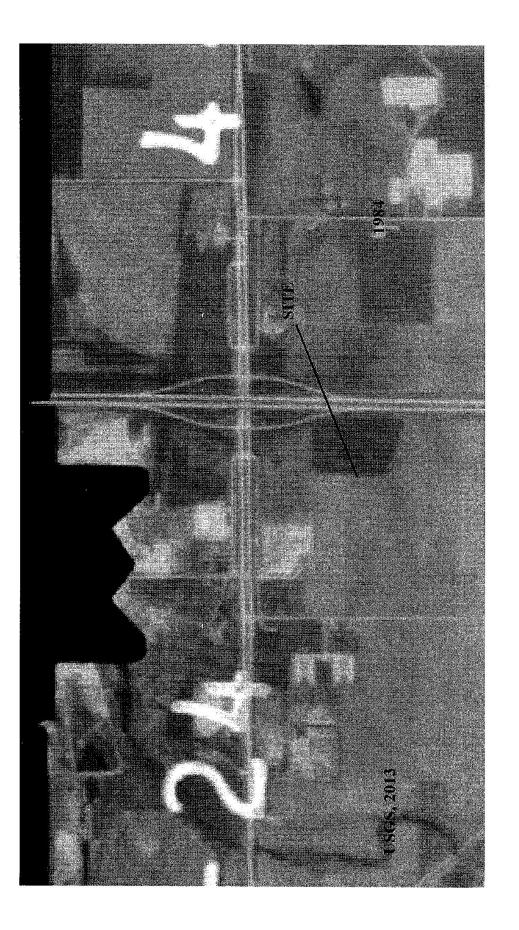


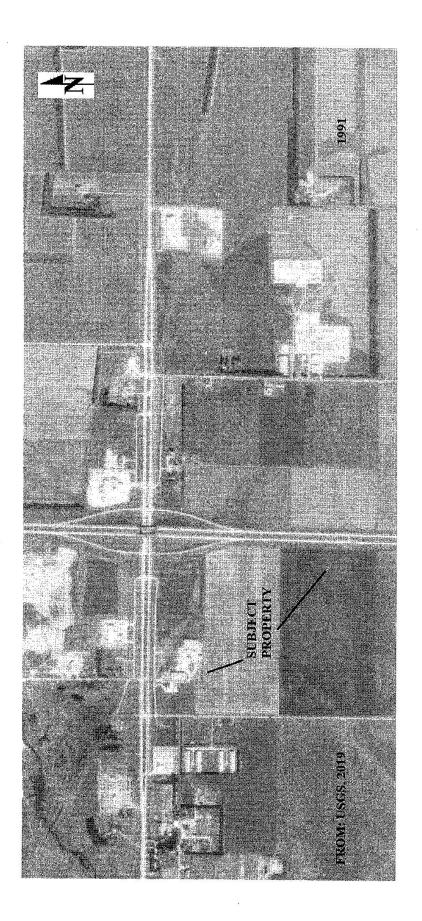


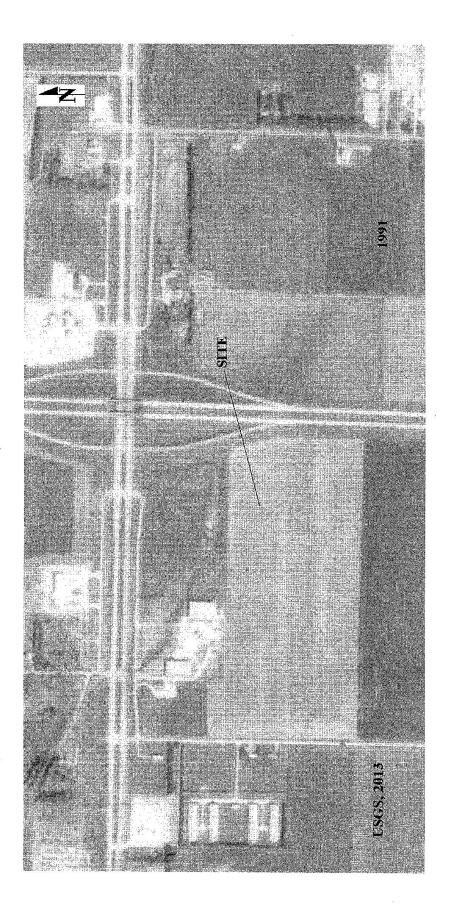


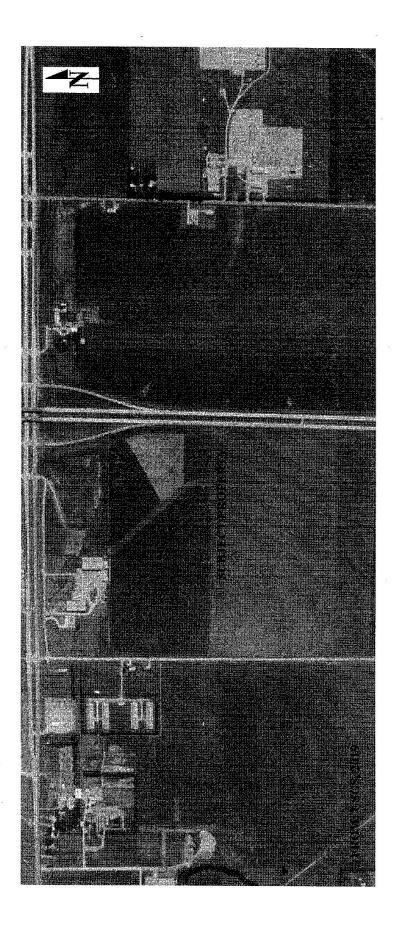
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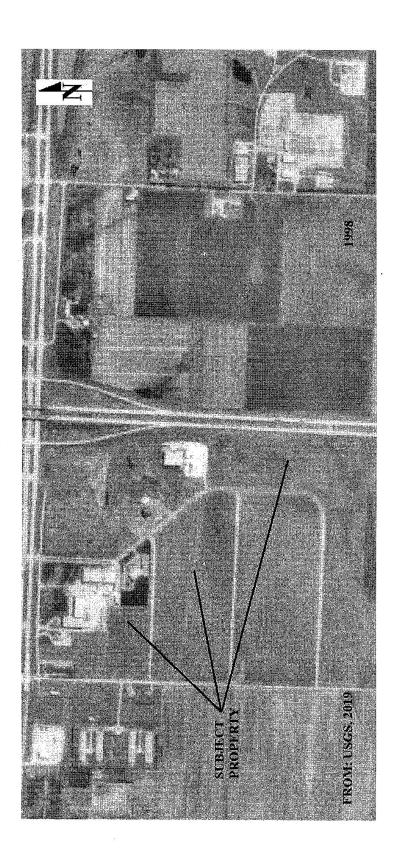


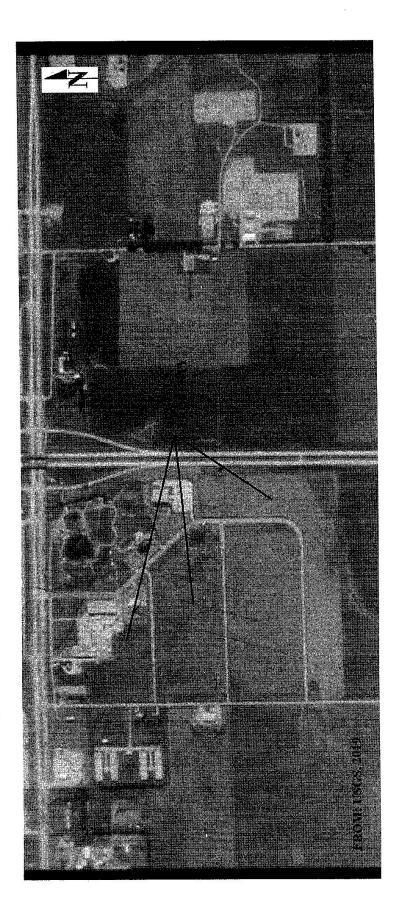


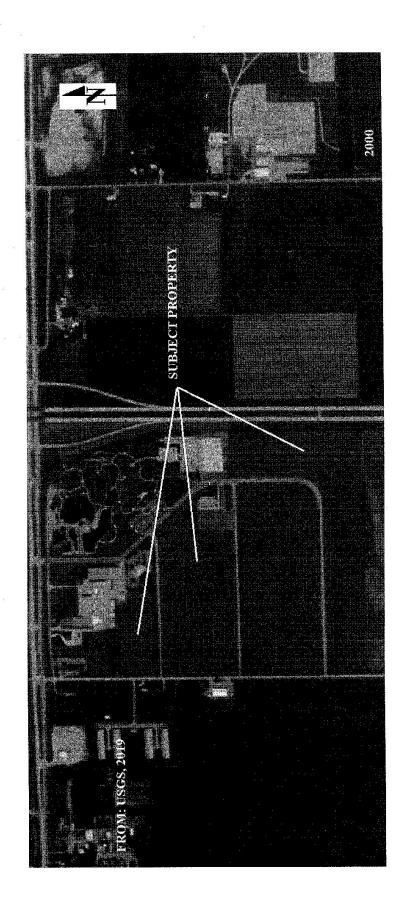


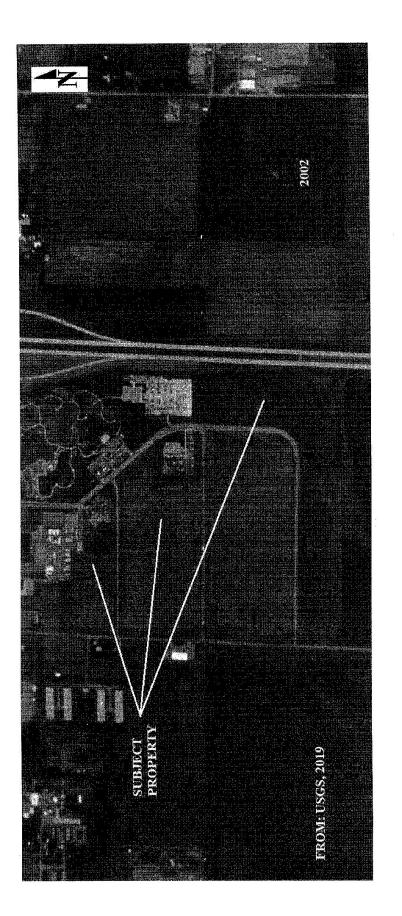


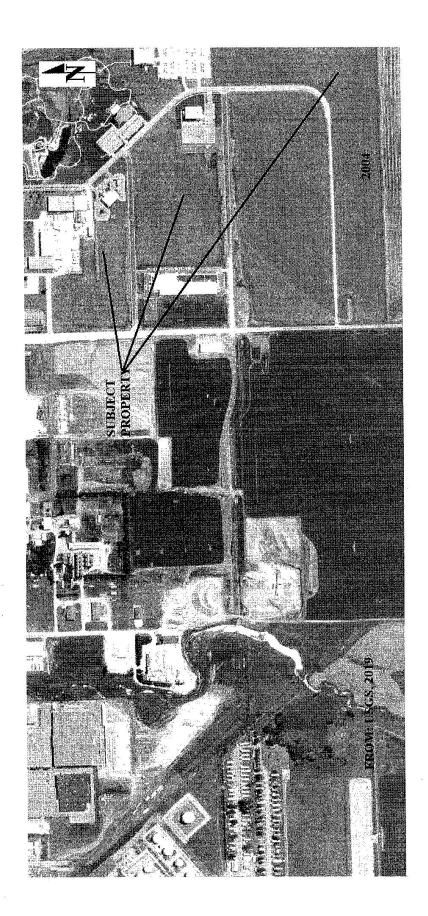


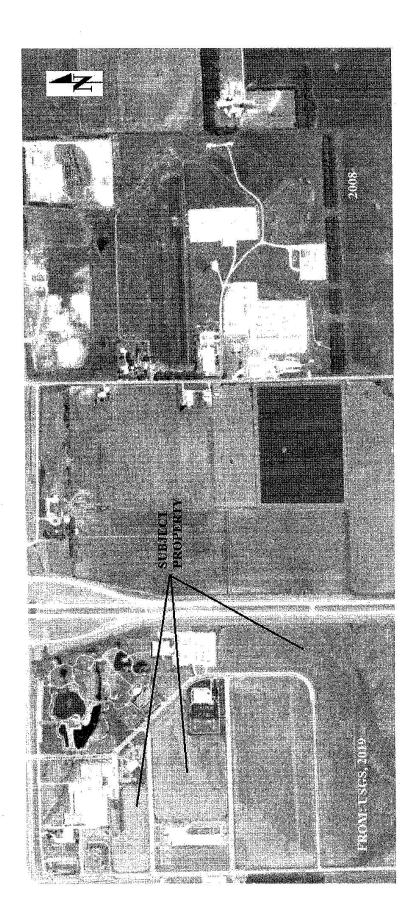


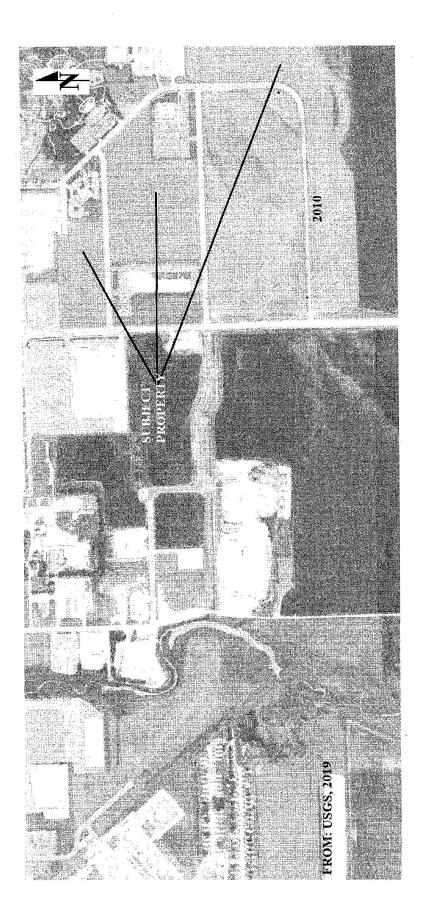


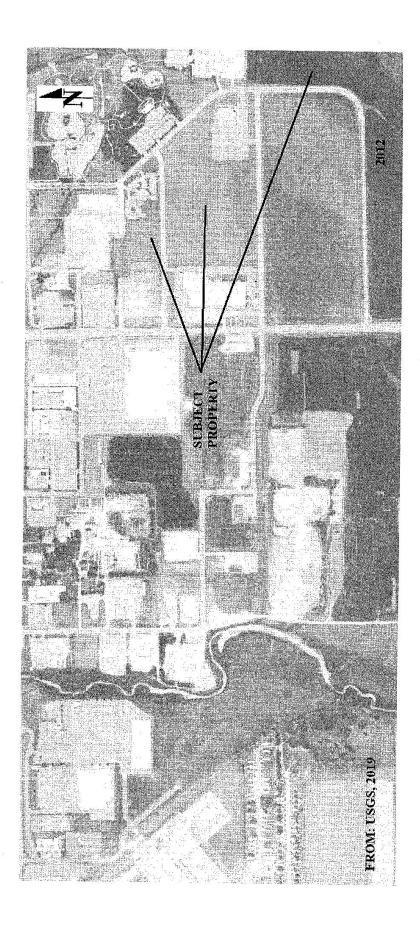


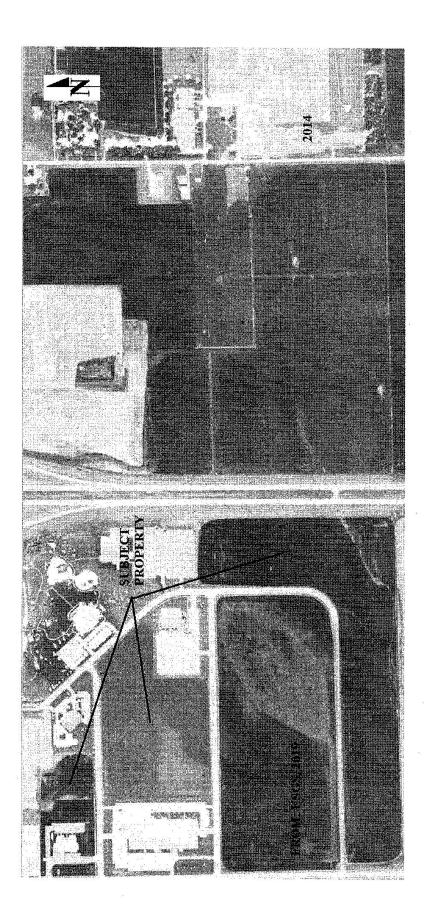


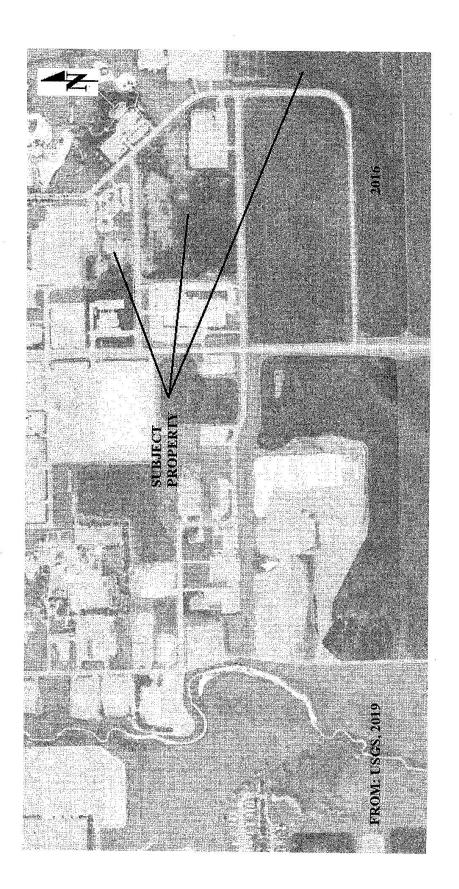


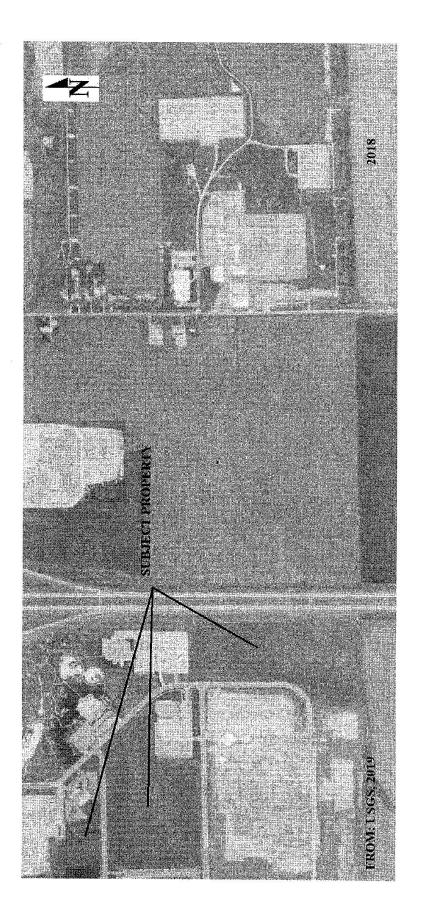








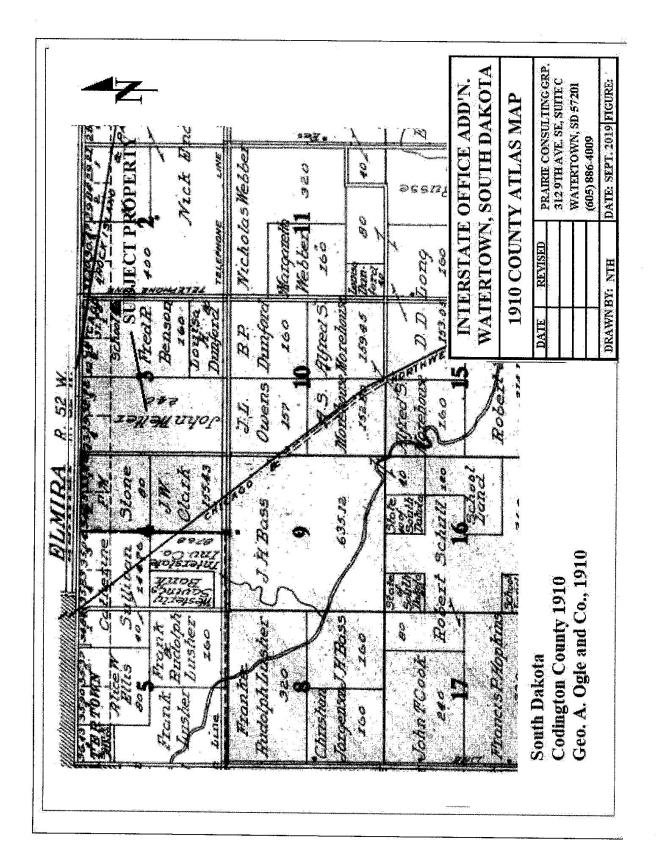


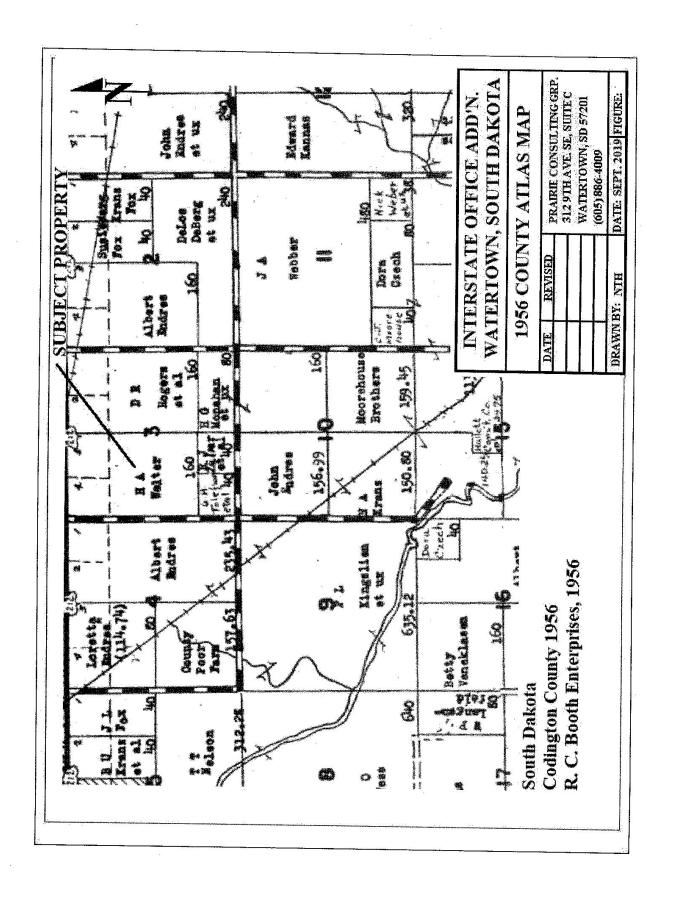


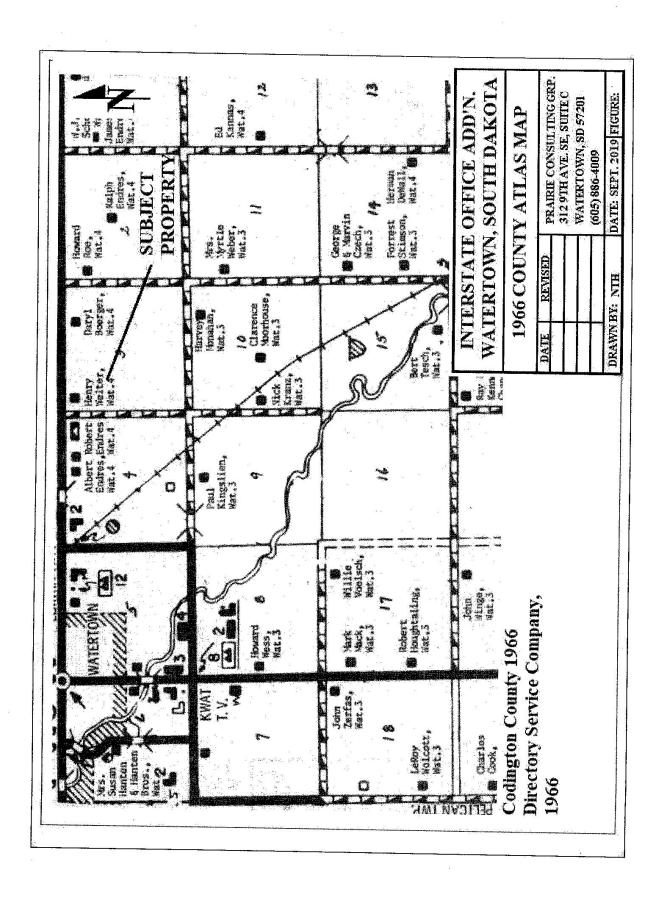
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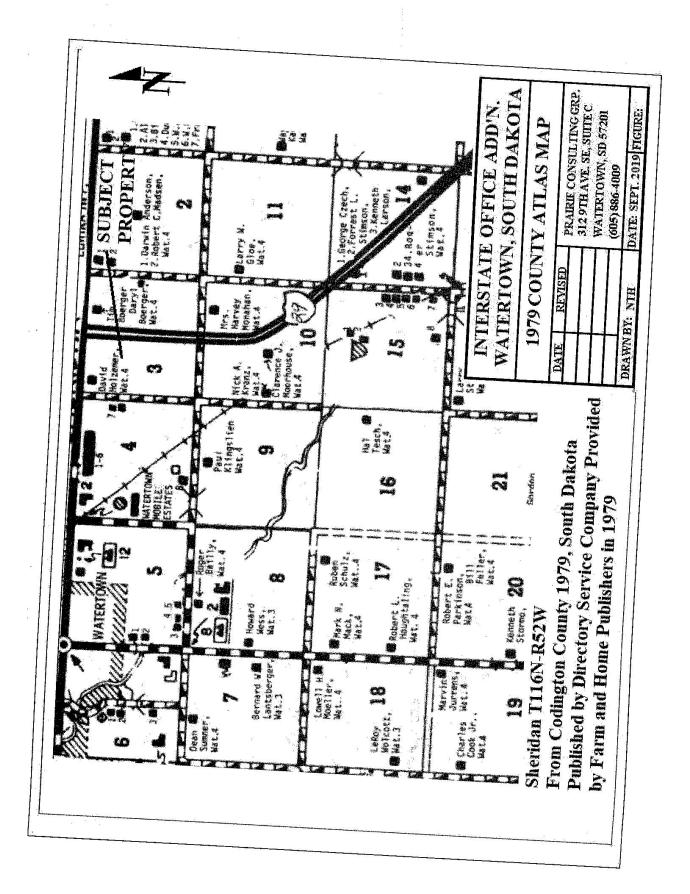
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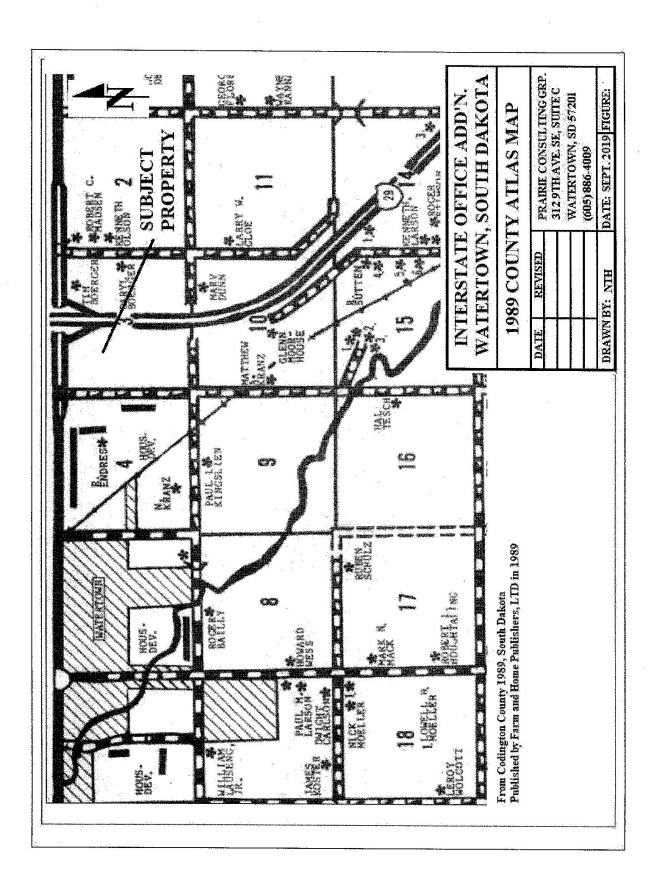
# APPENDIX V HISTORICAL COUNTY ATLAS MAPS

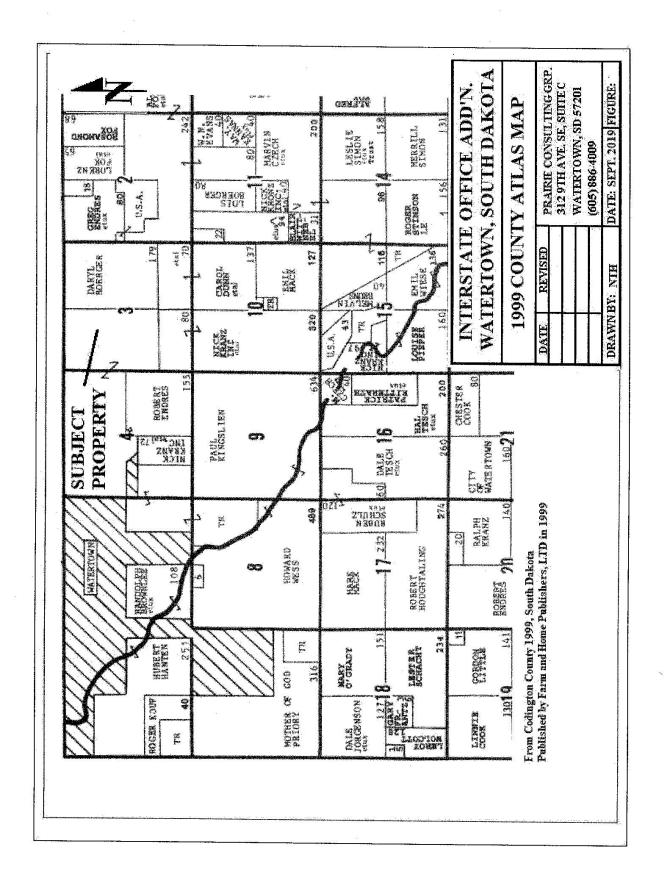


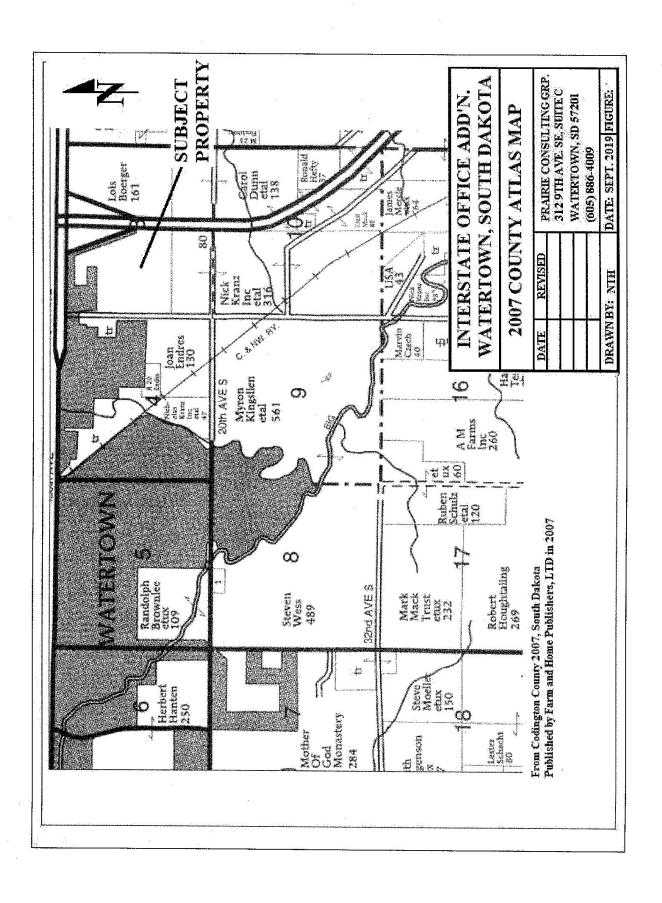












**Interstate Office Addition** 

1200 33rd Street SE Watertown, SD 57201

Inquiry Number: 5788618.2s

September 13, 2019

## The EDR Radius Map™ Report with GeoCheck®



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

## **Disclaimer - Copyright and Trademark Notice**

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A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

#### TARGET PROPERTY INFORMATION

#### **ADDRESS**

1200 33RD STREET SE WATERTOWN, SD 57201

#### **COORDINATES**

Latitude (North): 44.8852200 - 44° 53′ 6.79″ Longitude (West): 97.0635290 - 97° 3′ 48.70″

Universal Tranverse Mercator: Zone 14 UTM X (Meters): 652932.6 UTM Y (Meters): 4971807.0

Elevation: 1769 ft. above sea level

#### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 5646897 WATERTOWN EAST, SD

Version Date: 2012

South Map: 5646899 WATERTOWN SE, SD

Version Date: 2012

## **AERIAL PHOTOGRAPHY IN THIS REPORT**

Portions of Photo from: 20140813 Source: USDA

## MAPPED SITES SUMMARY

Target Property Address: 1200 33RD STREET SE WATERTOWN, SD 57201

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	CERTIFIED READY SITE	15TH AVENUE SE	SD SPILLS	Lower	1 ft.
2	WATERTOWN DEVELOPMEN	1425 MICKELSON DRIVE	SD NPDES	Higher	1 ft.
3	TEREX UTILITIES - TE		SD NPDES	Higher	1 ft.
4	SPARTON ONYX LLC	2920 KELLY AVENUE	RCRA-SQG, FINDS, ECHO, WI MANIFEST	Lower	236, 0.045, WNW
5	ENERCEPT INC	3100 9TH AVENUE SOUT	RCRA-SQG	Lower	487, 0.092, NNW
6	WALMART SUPERCENTER	1201 29TH STREET SE	RCRA-VSQG	Lower	602, 0.114, WNW
7	BENCHMARK FOAM	3200 9TH AVENUE SE	RCRA-SQG	Lower	952, 0.180, North
8	I-29 SHELL	825 35TH STREET CIRC	SD LUST, SD UST	Higher	1552, 0.294, NNE
9	ASSESSMENT - CONSTRU	600 31ST STREET NE	SD SWRCY, SD SPILLS	Lower	1880, 0.356, NNW
10	J&M TRUCKING - NOZZL	STONE'S TRUCK STOP -	SD LUST	Higher	2617, 0.496, NE

## TARGET PROPERTY SEARCH RESULTS

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

## **DATABASES WITH NO MAPPED SITES**

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

## STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list	
NPL	National Priority List
Proposed NPL	Proposed National Priority List Sites
NPL LIENS	Federal Superfund Liens
Federal Delisted NPL site lis	st
Delisted NPL	National Priority List Deletions
Federal CERCLIS list	
	Federal Facility Site Information listing
SEMS	Superfund Enterprise Management System
Federal CERCLIS NFRAP si	to list
SEMS-ARCHIVE	Superfund Enterprise Management System Archive
Federal RCRA CORRACTS	facilities list
CORRACTS	Corrective Action Report
Federal RCRA non-CORRAC	CTS TSD facilities list
RCRA-TSDF	RCRA - Treatment, Storage and Disposal
5	
Federal RCRA generators lis	
RCRA-LQG	RCRA - Large Quantity Generators
Federal institutional control	ls / engineering controls registries
	Land Use Control Information System
	Engineering Controls Sites List
	Sites with Institutional Controls
Fodoral EDNC list	
Federal ERNS list	
ERNS	Emergency Response Notification System

State- and tribal - equivalent CERCLIS

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

NPL list.

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

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

State and tribal leaking storage tank lists

SD LAST..... Leaking Aboveground Storage Tanks

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

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing

SD AST..... Aboveground Storage Tanks

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

State and tribal institutional control / engineering control registries

SD INST CONTROL.... List of Brownfields Sites

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

SD BROWNFIELDS..... List of Brownfields Sites

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Local Lists of Landfill / Solid Waste Disposal Sites

ODI...... Open Dump Inventory

IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

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

SD CDL..... Clandestine Drug Labs

US CDL...... National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information

## Records of Emergency Release Reports

HMIRS...... Hazardous Materials Information Reporting System SD SPILLS 90...... SPILLS 90 data from FirstSearch

#### Other Ascertainable Records

RCRA NonGen / NLR\_\_\_\_\_\_ RCRA - Non Generators / No Longer Regulated FUDS..... Formerly Used Defense Sites DOD..... Department of Defense Sites SCRD DRYCLEANERS...... State Coalition for Remediation of Drycleaners Listing US FIN ASSUR..... Financial Assurance Information EPA WATCH LIST..... EPA WATCH LIST 2020 COR ACTION........... 2020 Corrective Action Program List TSCA..... Toxic Substances Control Act TRIS...... Toxic Chemical Release Inventory System SSTS..... Section 7 Tracking Systems ROD...... Records Of Decision RMP..... Risk Management Plans RAATS......RCRA Administrative Action Tracking System PRP..... Potentially Responsible Parties PADS...... PCB Activity Database System ICIS...... Integrated Compliance Information System Act)/TSCA (Toxic Substances Control Act) MLTS....... Material Licensing Tracking System COAL ASH DOE..... Steam-Electric Plant Operation Data COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List PCB TRANSFORMER....... PCB Transformer Registration Database RADINFO...... Radiation Information Database HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing DOT OPS...... Incident and Accident Data CONSENT..... Superfund (CERCLA) Consent Decrees INDIAN RESERV..... Indian Reservations FUSRAP..... Formerly Utilized Sites Remedial Action Program UMTRA..... Uranium Mill Tailings Sites LEAD SMELTERS..... Lead Smelter Sites US AIRS...... Aerometric Information Retrieval System Facility Subsystem US MINES..... Mines Master Index File ABANDONED MINES..... Abandoned Mines DOCKET HWC..... Hazardous Waste Compliance Docket Listing UXO...... Unexploded Ordnance Sites FUELS PROGRAM..... EPA Fuels Program Registered Listing SD AIRS..... Air Emissions Listing

## **EDR HIGH RISK HISTORICAL RECORDS**

SD ASBESTOS..... ASBESTOS

## **EDR Exclusive Records**

EDR MGP..... EDR Proprietary Manufactured Gas Plants

EDR Hist Auto\_\_\_\_\_\_EDR Exclusive Historical Auto Stations EDR Hist Cleaner\_\_\_\_\_EDR Exclusive Historical Cleaners

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

#### Exclusive Recovered Govt. Archives

SD RGA LF	Recovered Government Archive Solid Waste Facilities List
SD RGA LUST	Recovered Government Archive Leaking Underground Storage Tank

## **SURROUNDING SITES: SEARCH RESULTS**

Surrounding sites were identified in the following databases.

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

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

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

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

#### STANDARD ENVIRONMENTAL RECORDS

#### Federal RCRA generators list

RCRA-SQG: 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.

A review of the RCRA-SQG list, as provided by EDR, and dated 03/25/2019 has revealed that there are 3 RCRA-SQG sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page	
SPARTON ONYX LLC EPA ID:: SDR000203182	2920 KELLY AVENUE	WNW 0 - 1/8 (0.045 mi.)	4	9	
ENERCEPT INC EPA ID:: SDR000205831	3100 9TH AVENUE SOUT	NNW 0 - 1/8 (0.092 mi.)	5	21	
BENCHMARK FOAM EPA ID:: SDR000001685	3200 9TH AVENUE SE	N 1/8 - 1/4 (0.180 mi.)	7	27	

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

A review of the RCRA-VSQG list, as provided by EDR, and dated 03/25/2019 has revealed that there is 1 RCRA-VSQG site within approximately 0.25 miles of the target property.

Lower Elevation		Address	Direction / Distance	Map ID	D Page	
	WALMART SUPERCENTER	1201 29TH STREET SE	WNW 0 - 1/8 (0.114 mi.)	6	22	
	EPA ID:: SDR000203950					

## State and tribal leaking storage tank lists

SD LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environmental & Natural Resources' UST-Line-Piping Spill/Release List.

A review of the SD LUST list, as provided by EDR, and dated 04/08/2019 has revealed that there are 2 SD LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page	
I-29 SHELL 825 35TH STREET CIRC Facility Status: Closed Spill Category: Petroleum Facility Id: 2003.138		NNE 1/4 - 1/2 (0.294 mi.)	8	28	
J&M TRUCKING - NOZZL Facility Status: Closed Spill Category: Petroleum Facility Id: 2004.2	STONE'S TRUCK STOP -	NE 1/4 - 1/2 (0.496 mi.)	10	32	

#### ADDITIONAL ENVIRONMENTAL RECORDS

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

SD SWRCY: Businesses that Accept Recyclables .

A review of the SD SWRCY list, as provided by EDR, and dated 04/02/2019 has revealed that there is 1 SD SWRCY site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
ASSESSMENT - CONSTRU	600 31ST STREET NE	NNW 1/4 - 1/2 (0.356 mi.)	9	31

## Records of Emergency Release Reports

SD SPILLS: The South Dakota Spills Database.

A review of the SD SPILLS list, as provided by EDR, and dated 04/08/2019 has revealed that there is 1 SD SPILLS site within approximately 0.001 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CERTIFIED READY SITE	15TH AVENUE SE	0 - 1/8 (0.000 mi.)	1	8
Facility Status: Closed				
Date Closed: 01/27/2014				
Facility ID: 2013050				

## Other Ascertainable Records

WI MANIFEST: Hazardous waste manifest information.

A review of the WI MANIFEST list, as provided by EDR, and dated 05/31/2018 has revealed that there is 1 WI MANIFEST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SPARTON ONYX LLC	2920 KELLY AVENUE	WNW 0 - 1/8 (0.045 mi.)	4	9
ACT Status: A				
FID: 0				
EPA ID: SDR000203182				

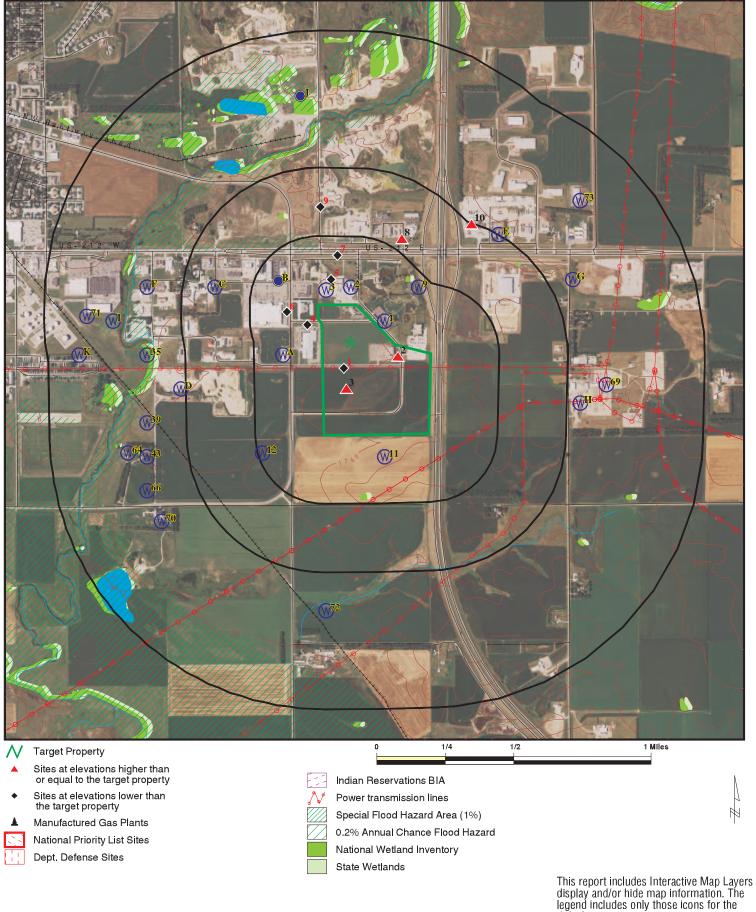
SD NPDES: A listing of wastewater permit facility locations.

A review of the SD NPDES list, as provided by EDR, and dated 06/13/2019 has revealed that there are 2 SD NPDES sites within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	<b>Direction / Distance</b>	Map ID	Page
WATERTOWN DEVELOPMEN	1425 MICKELSON DRIVE	0 - 1/8 (0.000 mi.)	2	8
TEREX UTILITIES - TE		0 - 1/8 (0.000 mi.)	3	9

There were no unmapped sites in this report.

## **OVERVIEW MAP - 5788618.2S**



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

SITE NAME: Interstate Office Addition ADDRESS: 1200 33rd Street SE Watertown SD 57201

44.88522 / 97.063529

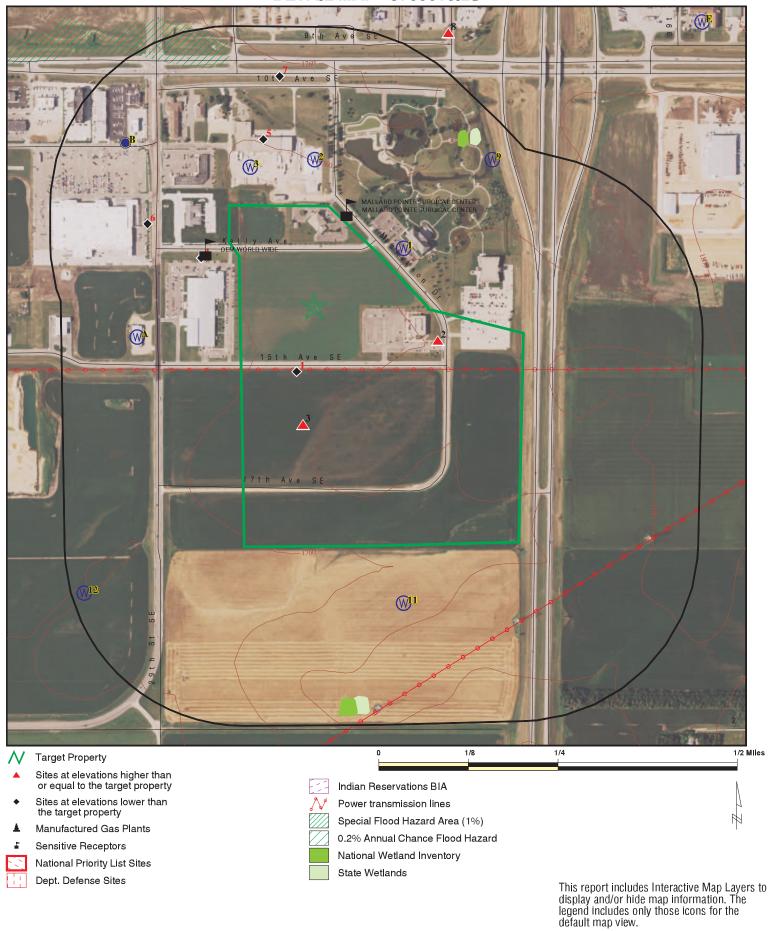
LAT/LONG:

CLIENT: CONTACT: Coteau Environmental Nathan Hunke INQUIRY#: 5788618.2s

DATE: September 13, 2019 2:15 pm

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## **DETAIL MAP - 5788618.2S**



SITE NAME: Interstate Office Addition 1200 33rd Street SE ADDRESS:

Watertown SD 57201 LAT/LONG: 44.88522 / 97.063529 Coteau Environmental

CLIENT: CONTACT: Nathan Hunke INQUIRY#: 5788618.2s

DATE: September 13, 2019 2:17 pm

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted	
STANDARD ENVIRONMENT	STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list									
NPL Proposed NPL NPL LIENS	1.000 1.000 1.000		0 0 0	0 0 0	0 0 0	0 0 0	NR NR NR	0 0 0	
Federal Delisted NPL sit	te list								
Delisted NPL	1.000		0	0	0	0	NR	0	
Federal CERCLIS list									
FEDERAL FACILITY SEMS	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0	
Federal CERCLIS NFRA	P site list								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0	
Federal RCRA CORRAC	TS facilities li	st							
CORRACTS	1.000		0	0	0	0	NR	0	
Federal RCRA non-COR	Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0	
Federal RCRA generator	rs list								
RCRA-LQG RCRA-SQG RCRA-VSQG	0.250 0.250 0.250		0 2 1	0 1 0	NR NR NR	NR NR NR	NR NR NR	0 3 1	
Federal institutional con engineering controls reg									
LUCIS US ENG CONTROLS US INST CONTROL	0.500 0.500 0.500		0 0 0	0 0 0	0 0 0	NR NR NR	NR NR NR	0 0 0	
Federal ERNS list									
ERNS	0.001		0	NR	NR	NR	NR	0	
State- and tribal - equiva	alent CERCLIS	3							
SD SHWS	N/A		N/A	N/A	N/A	N/A	N/A	N/A	
State and tribal landfill a solid waste disposal site									
SD SWF/LF	0.500		0	0	0	NR	NR	0	
State and tribal leaking	storage tank l	ists							
SD LAST SD LUST INDIAN LUST	0.500 0.500 0.500		0 0 0	0 0 0	0 2 0	NR NR NR	NR NR NR	0 2 0	
State and tribal registere	ed storage tar	ık lists							
FEMA UST	0.250		0	0	NR	NR	NR	0	

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SD UST SD AST INDIAN UST	0.250 0.250 0.250		0 0 0	0 0 0	NR NR NR	NR NR NR	NR NR NR	0 0 0
State and tribal institutional control / engineering control registries								
SD INST CONTROL	0.500		0	0	0	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfie	lds sites							
SD BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
<u> </u>								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
SD SWRCY INDIAN ODI DEBRIS REGION 9 ODI IHS OPEN DUMPS	0.500 0.500 0.500 0.500 0.500		0 0 0 0	0 0 0 0	1 0 0 0 0	NR NR NR NR NR	NR NR NR NR NR	1 0 0 0 0
Local Lists of Hazardous Contaminated Sites								
US HIST CDL SD CDL US CDL	0.001 0.001 0.001		0 0 0	NR NR NR	NR NR NR	NR NR NR	NR NR NR	0 0 0
Local Land Records								
LIENS 2	0.001		0	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS SD SPILLS SD SPILLS 90	0.001 0.001 0.001		0 1 0	NR NR NR	NR NR NR	NR NR NR	NR NR NR	0 1 0
Other Ascertainable Records								
RCRA NonGen / NLR FUDS DOD SCRD DRYCLEANERS US FIN ASSUR EPA WATCH LIST 2020 COR ACTION TSCA	0.250 1.000 1.000 0.500 0.001 0.001 0.250 0.001		0 0 0 0 0 0	0 0 0 0 NR NR 0 NR	NR 0 0 0 NR NR NR NR	NR 0 0 NR NR NR NR	NR NR NR NR NR NR	0 0 0 0 0 0 0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE COAL ASH EPA	0.001 0.500		0 0	NR 0	NR 0	NR NR	NR NR	0 0
PCB TRANSFORMER	0.500		0	NR	NR	NR NR	NR NR	0
RADINFO	0.001		0	NR	NR NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	Ö	Ö	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		Ö	ő	Ö	NR	NR	0
LEAD SMELTERS	0.001		Õ	NŘ	NR	NR	NR	Ö
US AIRS	0.001		Ö	NR	NR	NR	NR	Ö
US MINES	0.250		Ő	0	NR	NR	NR	Ö
ABANDONED MINES	0.250		Ö	Ö	NR	NR	NR	Ö
FINDS	0.001		Ö	NR	NR	NR	NR	Ö
DOCKET HWC	0.001		Ö	NR	NR	NR	NR	Ö
ECHO	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
SD AIRS	0.001		0	NR	NR	NR	NR	0
SD ASBESTOS	0.001		0	NR	NR	NR	NR	0
SD COAL ASH	0.500		0	0	0	NR	NR	0
SD DRYCLEANERS	0.250		0	0	NR	NR	NR	0
SD Financial Assurance	0.001		0	NR	NR	NR	NR	0
WI MANIFEST	0.250		1	0	NR	NR	NR	1
SD NPDES	0.001		2	NR	NR	NR	NR	2
SD UIC	0.001		0	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		Ö	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		Ö	NR	NR	NR	NR	Ö
	MENT ADOLUM	(E.O.						
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Gov	t. Archives							
SD RGA LF	0.001		0	NR	NR	NR	NR	0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SD RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals		0	7	1	3	0	0	11

## 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 MAP FINDINGS

Direction Distance

Distance Elevation Site EDR ID Number

Database(s) EPA ID Number

1 CERTIFIED READY SITE - INTERSTATE OFFICE ADDITION 15TH AVENUE SE SD SPILLS S116297543

**SD NPDES** 

S108657920

N/A

N/A

< 1/8 WATERTOWN, SD 57201

1 ft.

SD SPILL:

Relative: Name: CERTIFIED READY SITE - INTERSTATE OFFICE ADDITION

 Lower
 Address:
 15TH AVENUE SE

 Actual:
 City,State,Zip:
 WATERTOWN, SD 57201

1768 ft.

 Site ID:
 12901

 Facility ID:
 2013050

 Facility Status:
 Closed

 Material:
 Not reported

 Site Type:
 Certified Ready

Quantity Spilled or Released: 0

Responsible Prty: Watertown Development Company

Date Reported: 12/19/2013

Spill Category: Other(See Case File)

Property Type: Commercial Date Closed: 01/27/2014

Source Type: Other(See Case File)

Atp Number:

Case Reviewer 1:

Regulated:

PRCF Number:

Acreage:

Institutional Controls:

Not reported

Not reported

Not reported

Not reported

Not reported

Not reported

Cause Type:

Solidwaste:

Mot reported

Microroll:

SD Dept of Agricultures Case Number:

Not reported

Not reported

Not reported

Lat/Long: 44.883886 / -97.064028

2 WATERTOWN DEVELOPMENT CORP

1425 MICKELSON DRIVE

< 1/8 WATERTOWN, SD 57201

1 ft.

NPDES:

Relative: Name: WATERTOWN DEVELOPMENT CORP

 Higher
 Address:
 1425 MICKELSON DRIVE

 Actual:
 City,State,Zip:
 WATERTOWN, SD 57201

 1782 ft.
 Latitude/Longitude:
 44.89653 / -97.095825

Area: Not reported
Contact: Not reported
Project Description: Not reported
Date Authorization: Not reported

Type: C Active: False

Receive Water: Big Sioux River Not reported **Expiration Date:** Issue Date: Not reported Permit Status Desc: Not reported Permit Type Desc: Not reported Supplemental Addr: Not reported Primary Fac SIC Desc: Not reported DMR Cognizat Official: Not reported DMR Cognizat Official Tele: Not reported

MAP FINDINGS Map ID

Direction Distance

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

3 **TEREX UTILITIES - TEREX REPLACEMENT FACILITY**  **SD NPDES** S122414049

RCRA-SQG 1007265047

SDR000203182

**FINDS** 

**ECHO** 

N/A

< 1/8 **CODINGTON (County), SD** 

1 ft.

NPDES:

Relative: Name: TEREX UTILITIES - TEREX REPLACEMENT FACILITY

Higher Address: Not reported

City, State, Zip: SD Actual:

44.882816 / -97.063849 Latitude/Longitude: 1774 ft.

60.00 Area: Contact: Not reported

Project Description: New building construction for Terex Utilities. Building will be

422,800 sq ft, also constructing a parking lot, and stormwater

retention basin

Date Authorization: 06/29/2018 Type: Construction Active: Not reported

Watertown storm system, Willow Creek, Bi Receive Water:

**Expiration Date:** 05/18/2020 Issue Date: 07/12/2018 Permit Status Desc: Not reported Permit Type Desc: Not reported Supplemental Addr: Not reported Not reported Primary Fac SIC Desc: DMR Cognizat Official: Not reported DMR Cognizat Official Tele: Not reported

**SPARTON ONYX LLC** WNW **2920 KELLY AVENUE** < 1/8

WATERTOWN, SD 57201 0.045 mi. WI MANIFEST

236 ft.

Relative: RCRA-SQG:

Lower Date form received by agency: 03/27/2013

Facility name: SPARTON ONYX LLC Actual: Facility address: 2920 KELLY AVENUE 1757 ft. WATERTOWN, SD 57201

> EPA ID: SDR000203182 **KELLY AVE** Mailing address:

WATERTOWN, SD 57201 Contact: RANDY W MALTERUD

Contact address: **KELLY AVE** 

WATERTOWN, SD 57201

Contact country: US

Contact telephone: 605-886-2519

Telephone ext.: 2061

RANDY.MALTERUD@SPARTON.COM Contact email:

EPA Region: 08 Land type: Private

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous

> waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of

hazardous waste at any time

Owner/Operator Summary:

Map ID MAP FINDINGS

Direction Distance

Elevation Site Database(s) EPA ID Number

#### **SPARTON ONYX LLC (Continued)**

1007265047

**EDR ID Number** 

Owner/operator name: SPARTON ONYX, LLC Owner/operator address: KELLY AVENUE

WATERTOWN, SD 57201

Owner/operator country: US

Owner/operator telephone: 605-886-2519 Owner/operator email: Not reported Owner/operator fax: Not reported Owner/operator extension: Not reported Legal status: Private Owner/Operator Type: Operator Owner/Op start date: 11/15/2012 Owner/Op end date: Not reported

Owner/operator name: SPARTON ONYX, LLC Owner/operator address: KELLY AVENUE

WATERTOWN, SD 57201

Owner/operator country: US

605-886-2519 Owner/operator telephone: Owner/operator email: Not reported Owner/operator fax: Not reported Owner/operator extension: Not reported Legal status: Private Owner/Operator Type: Owner Owner/Op start date: 11/15/2012 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 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

## Historical Generators:

Date form received by agency: 03/29/2012
Site name: ONYX EMS LLC
Classification: Small Quantity Generator

Date form received by agency: 04/01/2004

Site name: OEM WORLDWIDE LLC Classification: Small Quantity Generator

#### Hazardous Waste Summary:

Waste code: D001

. Waste name: IGNITABLE WASTE

Map ID MAP FINDINGS Direction

Distance Elevation

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

## **SPARTON ONYX LLC (Continued)**

1007265047

**EDR ID Number** 

Waste code: D002

**CORROSIVE WASTE** Waste name:

D008 Waste code: Waste name: **LEAD** 

Waste code: F003

Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT

MIXTURES.

Waste code: F005

THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL Waste name:

KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,

2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF

THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

**Evaluation Action Summary:** 

Evaluation date: 11/06/2013

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported Date achieved compliance: Not reported Evaluation lead agency: State

FINDS:

Registry ID: 110017614009

Environmental Interest/Information System

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are

transported off-site.

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

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

MAP FINDINGS Map ID Direction

Distance

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

#### **SPARTON ONYX LLC (Continued)**

1007265047

ECHO:

1007265047 Envid: 110017614009 Registry ID:

DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110017614009

WI MANIFEST:

OEM WORLDWIDE LLC Name: Address: 2920 KELLY AVENUE City, State, Zip: WATERTOWN, SD 57201

Year: 2018

EPA ID: SDR000203182 FID: Not reported

ACT Code: 202 ACT Status: ACT Code 1: 202

ACT Name: HW Generator - Small

Not reported Contact Title: Contact Name: Not reported Not reported Contact Address: Contact City/State/Zip: Not reported Contact Telephone: Not reported Contact EMail Address: Not reported

Shipped:

Year: 2018

Manifest Doc Id: 010451019FLE Copy Type: **TSDCOPY** Gen EPA ID: SDR000203182 Gen Date: 03/21/2018 GEN Copy Revd Date: Not reported TSD Date: 03/30/2018 TSD EPA ID: WID990829475 TSD Copy Revd Date: 05/15/2018

2018 Year:

Manifest Doc Id: 006715953FLE Copy Type: **TSDCOPY** Gen EPA ID: SDR000203182 Gen Date: 06/05/2018 GEN Copy Revd Date: Not reported TSD Date: 06/16/2018 TSD EPA ID: WID990829475 08/16/2018 TSD Copy Revd Date:

OEM WORLDWIDE LLC Name: 2920 KELLY AVENUE Address: City,State,Zip: WATERTOWN, SD 57201

Year: 2017

EPA ID: SDR000203182 FID: Not reported

ACT Code: 202 ACT Status: Α ACT Code 1: 202

ACT Name: HW Generator - Small

Contact Title: Not reported Map ID MAP FINDINGS

Direction Distance Elevation

Site Database(s) EPA ID Number

#### **SPARTON ONYX LLC (Continued)**

1007265047

**EDR ID Number** 

Contact Name: Not reported
Contact Address: Not reported
Contact City/State/Zip: Not reported
Contact Telephone: Not reported
Contact EMail Address: Not reported

Shipped:

Year: 2017

Manifest Doc Id: 009847529FLE Copy Type: **TSDCOPY** Gen EPA ID: SDR000203182 Gen Date: 03/08/2017 GEN Copy Revd Date: Not reported TSD Date: 03/15/2017 TSD EPA ID: WID990829475 TSD Copy Revd Date: 04/17/2017

Year: 2017

Manifest Doc Id: 010426240FLE Copy Type: **TSDCOPY** Gen EPA ID: SDR000203182 Gen Date: 11/08/2017 GEN Copy Revd Date: Not reported TSD Date: 11/15/2017 TSD EPA ID: WID990829475 TSD Copy Revd Date: 01/04/2018

Name: OEM WORLDWIDE LLC
Address: 2920 KELLY AVENUE
City, State, Zip: WATERTOWN, SD 57201

Year: 2016

EPA ID: SDR000203182 FID: Not reported

ACT Code: 202 ACT Status: A ACT Code 1: 202

ACT Name: HW Generator - Small

Contact Title: Not reported
Contact Name: Not reported
Contact Address: Not reported
Contact City/State/Zip: Not reported
Contact Telephone: Not reported
Contact EMail Address: Not reported

Shipped:

Year: 2016

Manifest Doc Id: 008901634FLE Copy Type: **TSDCOPY** Gen EPA ID: SDR000203182 Gen Date: 06/29/2016 GEN Copy Revd Date: Not reported TSD Date: 07/06/2016 TSD EPA ID: WID990829475 TSD Copy Revd Date: 08/15/2016

Map ID MAP FINDINGS

Direction Distance Elevation

ation Site Database(s) EPA ID Number

#### **SPARTON ONYX LLC (Continued)**

1007265047

**EDR ID Number** 

Year: 2016

Manifest Doc Id: 008947332FLE Copy Type: **TSDCOPY** Gen EPA ID: SDR000203182 Gen Date: 01/13/2016 GEN Copy Revd Date: Not reported TSD Date: 01/20/2016 TSD EPA ID: WID990829475 TSD Copy Revd Date: 03/01/2016

Name: OEM WORLDWIDE LLC
Address: 2920 KELLY AVENUE
City, State, Zip: WATERTOWN, SD 57201

Year: 2015

EPA ID: SDR000203182 FID: Not reported

ACT Code: 202 ACT Status: A ACT Code 1: 202

ACT Name: HW Generator - Small

Contact Title: Not reported
Contact Name: Not reported
Contact Address: Not reported
Contact City/State/Zip: Not reported
Contact Telephone: Not reported
Contact EMail Address: Not reported

## Shipped:

Year: 2015

Manifest Doc Id: 008240304FLE Copy Type: **TSDCOPY** Gen EPA ID: SDR000203182 Gen Date: 10/21/2015 GEN Copy Revd Date: Not reported TSD Date: 10/27/2015 WID990829475 TSD EPA ID: TSD Copy Revd Date: 12/01/2015

Year: 2015

Manifest Doc Id: 008237711FLE Copy Type: **TSDCOPY** Gen EPA ID: SDR000203182 Gen Date: 10/21/2015 GEN Copy Revd Date: Not reported TSD Date: 10/27/2015 TSD EPA ID: WID990829475 TSD Copy Revd Date: 12/01/2015

Year: 2015

 Manifest Doc Id:
 007149416FLE

 Copy Type:
 TSDCOPY

 Gen EPA ID:
 SDR000203182

 Gen Date:
 05/21/2015

 GEN Copy Revd Date:
 Not reported

 TSD Date:
 05/27/2015

 TSD EPA ID:
 WID990829475

MAP FINDINGS Map ID Direction

Distance

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

## **SPARTON ONYX LLC (Continued)**

1007265047

TSD Copy Revd Date: 06/30/2015

Name: OEM WORLDWIDE LLC Address: 2920 KELLY AVENUE City, State, Zip: WATERTOWN, SD 57201

Year: 2014

EPA ID: SDR000203182 FID: Not reported

ACT Code: 202 **ACT Status:** Α 202 ACT Code 1:

ACT Name: HW Generator - Small

Contact Title: Not reported Not reported Contact Name: Contact Address: Not reported Contact City/State/Zip: Not reported Contact Telephone: Not reported Contact EMail Address: Not reported

Shipped:

Year: 2014

Manifest Doc Id: 007678827FLE Copy Type: **TSDCOPY** SDR000203182 Gen EPA ID: Gen Date: 10/15/2014 GEN Copy Revd Date: Not reported TSD Date: 10/23/2014 TSD EPA ID: WID990829475 TSD Copy Revd Date: 11/12/2014

Year: 2014

Manifest Doc Id: 007150393FLE **TSDCOPY** Copy Type: Gen EPA ID: SDR000203182 Gen Date: 05/21/2014 GEN Copy Revd Date: Not reported TSD Date: 05/27/2014 TSD EPA ID: WID990829475 TSD Copy Revd Date: 06/13/2014

Name: OEM WORLDWIDE LLC Address: 2920 KELLY AVENUE WATERTOWN, SD 57201 City,State,Zip:

2013 Year:

SDR000203182 EPA ID: FID: Not reported

202 ACT Code: **ACT Status:** Α ACT Code 1: 202

ACT Name: HW Generator - Small

Contact Title: Not reported Contact Name: Not reported Not reported Contact Address: Contact City/State/Zip: Not reported Contact Telephone: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

### **SPARTON ONYX LLC (Continued)**

1007265047

**EDR ID Number** 

Contact EMail Address: Not reported

Shipped:

Year: 2013

Manifest Doc Id: 006489480FLE Copy Type: **TSDCOPY** Gen EPA ID: SDR000203182 Gen Date: 12/04/2013 GEN Copy Revd Date: Not reported TSD Date: 12/12/2013 TSD EPA ID: WID990829475 TSD Copy Revd Date: 01/08/2014

Year: 2013

Manifest Doc Id: 006716331FLE Copy Type: **TSDCOPY** Gen EPA ID: SDR000203182 Gen Date: 08/21/2013 GEN Copy Revd Date: Not reported TSD Date: 08/27/2013 TSD EPA ID: WID990829475 TSD Copy Revd Date: 09/13/2013

Year: 2013

Manifest Doc Id: 005693933FLE Copy Type: **TSDCOPY** Gen EPA ID: SDR000203182 Gen Date: 05/15/2013 GEN Copy Revd Date: Not reported 05/21/2013 TSD Date: TSD EPA ID: WID990829475 TSD Copy Revd Date: 06/07/2013

Name: OEM WORLDWIDE LLC
Address: 2920 KELLY AVENUE
City,State,Zip: WATERTOWN, SD 57201

Year: 2012

EPA ID: SDR000203182 FID: Not reported

 ACT Code:
 202

 ACT Status:
 A

 ACT Code 1:
 202

ACT Name: HW Generator - Small

Contact Title: Not reported
Contact Name: Not reported
Contact Address: Not reported
Contact City/State/Zip: Not reported
Contact Telephone: Not reported
Contact EMail Address: Not reported

Shipped:

Year: 2012

 Manifest Doc Id:
 005170666FLE

 Copy Type:
 TSDCOPY

 Gen EPA ID:
 SDR000203182

MAP FINDINGS Map ID

Direction Distance

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

### **SPARTON ONYX LLC (Continued)**

1007265047

Gen Date: 09/12/2012 GEN Copy Revd Date: Not reported TSD Date: 09/19/2012 TSD EPA ID: WID990829475 TSD Copy Revd Date: 10/05/2012

Year: 2012

Manifest Doc Id: 003530564FLE Copy Type: **TSDCOPY** Gen EPA ID: SDR000203182 04/18/2012 Gen Date: GEN Copy Revd Date: Not reported TSD Date: 04/25/2012 TSD EPA ID: WID990829475 TSD Copy Revd Date: 05/09/2012

OEM WORLDWIDE LLC Name: Address: 2920 KELLY AVENUE WATERTOWN, SD 57201 City,State,Zip:

Year: 2011

SDR000203182 EPA ID: FID: Not reported

ACT Code: 202 ACT Status: Α ACT Code 1: 202

HW Generator - Small ACT Name:

Contact Title: Not reported Not reported Contact Name: Not reported Contact Address: Contact City/State/Zip: Not reported Contact Telephone: Not reported Contact EMail Address: Not reported

Shipped:

Year: 2011

Manifest Doc Id: 004213503FLE Copy Type: **TSDCOPY** Gen EPA ID: SDR000203182 05/18/2011 Gen Date: GEN Copy Revd Date: Not reported TSD Date: 05/25/2011 TSD EPA ID: WID990829475 TSD Copy Revd Date: 06/15/2011

Year: 2011

Manifest Doc Id: 004213452FLE **TSDCOPY** Copy Type: SDR000203182 Gen EPA ID: Gen Date: 02/03/2011 GEN Copy Revd Date: Not reported TSD Date: 02/09/2011 TSD EPA ID: WID990829475 TSD Copy Revd Date: 03/08/2011

2011

Manifest Doc Id: 004533736FLE

Direction Distance Elevation

on Site Database(s) EPA ID Number

### **SPARTON ONYX LLC (Continued)**

1007265047

**EDR ID Number** 

 Copy Type:
 TSDCOPY

 Gen EPA ID:
 SDR000203182

 Gen Date:
 09/29/2011

 GEN Copy Revd Date:
 Not reported

 TSD Date:
 10/05/2011

 TSD EPA ID:
 WID990829475

 TSD Copy Revd Date:
 10/26/2011

Name: OEM WORLDWIDE LLC
Address: 2920 KELLY AVENUE
City, State, Zip: WATERTOWN, SD 57201

Year: 2010

EPA ID: SDR000203182 FID: Not reported

ACT Code: 202 ACT Status: A ACT Code 1: 202

ACT Name: HW Generator - Small

Contact Title: Not reported
Contact Name: Not reported
Contact Address: Not reported
Contact City/State/Zip: Not reported
Contact Telephone: Not reported
Contact EMail Address: Not reported

Shipped:

Year: 2010

Manifest Doc Id: 004212897FLE Copy Type: **TSDCOPY** Gen EPA ID: SDR000203182 Gen Date: 12/21/2010 GEN Copy Revd Date: Not reported TSD Date: 12/27/2010 TSD EPA ID: WID990829475 TSD Copy Revd Date: 01/24/2011

Year: 2010

Manifest Doc Id: 003535105FLE **TSDCOPY** Copy Type: Gen EPA ID: SDR000203182 Gen Date: 09/29/2010 GEN Copy Revd Date: Not reported TSD Date: 10/05/2010 TSD EPA ID: WID990829475 TSD Copy Revd Date: 10/27/2010

Year: 2010

Manifest Doc Id: 002852858FLE **TSDCOPY** Copy Type: Gen EPA ID: SDR000203182 Gen Date: 08/18/2010 GEN Copy Revd Date: Not reported TSD Date: 08/25/2010 TSD EPA ID: WID990829475 TSD Copy Revd Date: 09/14/2010

Direction Distance Elevation

ion Site Database(s) EPA ID Number

### **SPARTON ONYX LLC (Continued)**

1007265047

**EDR ID Number** 

Year: 2010

Manifest Doc Id: 002853749FLE Copy Type: **TSDCOPY** Gen EPA ID: SDR000203182 Gen Date: 11/17/2010 GEN Copy Revd Date: Not reported TSD Date: 11/23/2010 TSD EPA ID: WID990829475 TSD Copy Revd Date: 12/09/2010

Year: 2010

Manifest Doc Id: 002320319JJK **TSDCOPY** Copy Type: Gen EPA ID: SDR000203182 Gen Date: 07/28/2010 GEN Copy Revd Date: Not reported TSD Date: 08/04/2010 WID990829475 TSD EPA ID: TSD Copy Revd Date: 08/19/2010

Year: 2010

Manifest Doc Id: 002320334JJK Copy Type: **TSDCOPY** Gen EPA ID: SDR000203182 Gen Date: 01/27/2010 GEN Copy Revd Date: Not reported TSD Date: 02/05/2010 TSD EPA ID: WID990829475 TSD Copy Revd Date: 02/19/2010

Year: 2010

Manifest Doc Id: 002853508FLE Copy Type: **TSDCOPY** Gen EPA ID: SDR000203182 Gen Date: 03/18/2010 GEN Copy Revd Date: Not reported TSD Date: 03/24/2010 TSD EPA ID: WID990829475 TSD Copy Revd Date: 04/07/2010

Name: OEM WORLDWIDE LLC
Address: 2920 KELLY AVENUE
City, State, Zip: WATERTOWN, SD 57201

Year: 2009

EPA ID: SDR000203182
FID: Not reported

ACT Code: 202 ACT Status: A ACT Code 1: 202

ACT Name: HW Generator - Small

Contact Title: Not reported
Contact Name: Not reported
Contact Address: Not reported
Contact City/State/Zip: Not reported
Contact Telephone: Not reported
Contact EMail Address: Not reported

Direction Distance Elevation

ion Site Database(s) EPA ID Number

### **SPARTON ONYX LLC (Continued)**

1007265047

**EDR ID Number** 

Shipped:

Year: 2009

Manifest Doc Id: 001492693FLE Copy Type: **TSDCOPY** Gen EPA ID: SDR000203182 Gen Date: 03/25/2009 GEN Copy Revd Date: Not reported TSD Date: 03/30/2009 TSD EPA ID: WID990829475 TSD Copy Revd Date: 04/09/2009

Year: 2009

Manifest Doc Id: 001484259FLE Copy Type: **TSDCOPY** Gen EPA ID: SDR000203182 Gen Date: 12/10/2009 GEN Copy Revd Date: Not reported TSD Date: 12/15/2009 TSD EPA ID: WID990829475 TSD Copy Revd Date: 01/05/2010

Year: 2009

Manifest Doc Id: 001511382FLE Copy Type: **TSDCOPY** Gen EPA ID: SDR000203182 Gen Date: 02/18/2009 GEN Copy Revd Date: Not reported TSD Date: 02/25/2009 TSD EPA ID: WID990829475 TSD Copy Revd Date: 03/06/2009

Year: 2009

Manifest Doc Id: 001511354FLE **TSDCOPY** Copy Type: Gen EPA ID: SDR000203182 Gen Date: 06/03/2009 GEN Copy Revd Date: Not reported TSD Date: 06/08/2009 TSD EPA ID: WID990829475 TSD Copy Revd Date: 06/15/2009

Year: 2009

Manifest Doc Id: 001510714FLE Copy Type: **TSDCOPY** Gen EPA ID: SDR000203182 Gen Date: 09/02/2009 GEN Copy Revd Date: Not reported TSD Date: 09/09/2009 WID990829475 TSD EPA ID: TSD Copy Revd Date: 10/01/2009

Year: 2009

 Manifest Doc Id:
 002321029JJK

 Copy Type:
 TSDCOPY

 Gen EPA ID:
 SDR000203182

 Gen Date:
 09/09/2009

 GEN Copy Revd Date:
 Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

**SPARTON ONYX LLC (Continued)** 

1007265047

**EDR ID Number** 

TSD Date: 09/14/2009
TSD EPA ID: WID990829475
TSD Copy Revd Date: 10/01/2009

Click this hyperlink while viewing on your computer to access 5 additional WI MANIFEST: record(s) in the EDR Site Report.

5 ENERCEPT INC RCRA-SQG 1010567706 NNW 3100 9TH AVENUE SOUTHEAST SDR000205831

NNW 3100 9TH AVENUE SOUTHEAST < 1/8 WATERTOWN, SD 57201

0.092 mi. 487 ft.

Relative: RCRA-SQG:

Lower Date form received by agency: 07/20/2007

Actual: Facility name: ENERCEPT INC

1759 ft. Facility address: 3100 9TH AVENUE SOUTHEAST

WATERTOWN, SD 57201

EPA ID: SDR000205831

Mailing address: 9TH AVENUE SOUTHEAST

WATERTOWN, SD 57201

Contact: CHAD A ENGEBRATSON

Contact address: Not reported

Not reported

Contact country: US

Contact telephone: 605-882-2222

Contact email: CENGEBRETSON@ENERCEPT.COM

EPA Region: 08 Land type: Private

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous

waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of

hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: ENERCEPT INC

Owner/operator address: 9TH AVENUE SOUTHEAST

WATERTOWN, SD 57201

Owner/operator country: US

Owner/operator telephone: Not reported Owner/operator email: Not reported Owner/operator fax: Not reported Owner/operator extension: Not reported Legal status: Private Owner/Operator Type: Operator Owner/Op start date: 08/30/1995 Owner/Op end date: Not reported

Owner/operator name: ENERCEPT INC

Owner/operator address: 9TH AVENUE SOUTHEAST

WATERTOWN, SD 57201

Owner/operator country: US

Owner/operator telephone: Not reported Owner/operator email: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

ENERCEPT INC (Continued) 1010567706

Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 08/30/1995
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: Nο Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: Nο Used oil transfer facility: No Used oil transporter: No

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 06/18/2015

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

6 WALMART SUPERCENTER #1500 RCRA-VSQG 1007990814 WNW 1201 29TH STREET SE SDR000203950

< 1/8 W 0.114 mi.

602 ft.

WATERTOWN, SD 57201

Relative: RCRA-VSQG:

**Lower** Date form received by agency: 12/12/2018

Actual: Facility name: WALMART SUPERCENTER #1500
1752 ft. Facility address: 1201 29TH STREET SE

1752 ft. Facility address: 1201 29TH STREET SE WATERTOWN, SD 57201

EPA ID: SDR000203950 Mailing address: PO BOX 8041

BENTONVILLE, AR 72712-8041

Contact: ROSE ARNOLD Contact address: P.O. BOX 8041

BENTONVILLE, AR 72712-8041

Contact country: US

Contact telephone: 479-277-8972

Contact email: ROSE.ARNOLD@WALMART.COM

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

**EDR ID Number** 

Direction Distance Elevation

Site Database(s) EPA ID Number

## WALMART SUPERCENTER #1500 (Continued)

1007990814

**EDR ID Number** 

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: WALMART INC.
Owner/operator address: P.O. BOX 8041

BENTONVILLE, AR 72712

Owner/operator country: US

Owner/operator telephone: 479-277-8972

Owner/operator email: ROSE.ARNOLD@WALMART.COM

Owner/operator fax: 479-204-9675
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 05/18/2005
Owner/Op end date: Not reported

Owner/operator name: WALMART INC.
Owner/operator address: P.O. BOX 8041

BENTONVILLE, AR 72712

Owner/operator country: US

Owner/operator telephone: 479-277-8972

Owner/operator email: ROSE.ARNOLD@WALMART.COM

Owner/operator fax: 479-204-9675
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 05/18/2005
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 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

Distance Elevation Site

Site Database(s) EPA ID Number

## WALMART SUPERCENTER #1500 (Continued)

1007990814

**EDR ID Number** 

**Historical Generators:** 

Date form received by agency: 08/25/2016

Site name: WALMART SUPERCENTER #1500

Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 10/24/2014

Site name: WALMART SUPERCENTER #1500

Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 10/25/2010

Site name: WALMART SUPERCENTER #1500

Classification: Small Quantity Generator

Date form received by agency: 05/29/2009

Site name: WAL-MART SUPERCENTER #1500

Classification: Small Quantity Generator

Date form received by agency: 01/14/2005

Site name: WAL-MART STORE #1500 - WATERTOWN
Classification: Conditionally Exempt Small Quantity Generator

### Hazardous Waste Summary:

. Waste code: D001

. Waste name: IGNITABLE WASTE

Waste code: D002

. Waste name: CORROSIVE WASTE

. Waste code: D003

. Waste name: REACTIVE WASTE

. Waste code: D004 . Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

Waste code: D006
Waste name: CADMIUM

Waste code: D007

Waste name: CHROMIUM

Waste code: D008
Waste name: LEAD

Waste code: D009
Waste name: MERCURY

. Waste code: D010 . Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

Map ID MAP FINDINGS
Direction

Distance Elevation Site

Site Database(s) EPA ID Number

## WALMART SUPERCENTER #1500 (Continued)

1007990814

**EDR ID Number** 

. Waste code: D016

. Waste name: 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)

. Waste code: D018
. Waste name: BENZENE

Waste code: D022

Waste name: CHLOROFORM

. Waste code: D024 . Waste name: M-CRESOL

. Waste code: D025 . Waste name: P-CRESOL

Waste code: D026
Waste name: CRESOL

. Waste code: D027

. Waste name: 1,4-DICHLOROBENZENE

. Waste code: D030

. Waste name: 2,4-DINITROTOLUENE

. Waste code: D035

. Waste name: METHYL ETHYL KETONE

. Waste code: D039

. Waste name: TETRACHLOROETHYLENE

. Waste code: D040

. Waste name: TRICHLORETHYLENE

Waste code: D043

. Waste name: VINYL CHLORIDE

Waste code: P001

. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS,

WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, &

SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

Waste code: P046

Waste name: ALPHA,ALPHA-DIMETHYLPHENETHYLAMINE (OR) BENZENEETHANAMINE, ALPHA,

ALPHA-DIMETHYL-

Waste code: P075

Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, &

SALTS

. Waste code: U002

. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U034

. Waste name: ACETALDEHYDE, TRICHLORO- (OR) CHLORAL

Waste code: U035

. Waste name: BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) CHLORAMBUCIL

Map ID MAP FINDINGS
Direction

Distance Elevation

ance EDR ID Number ation Site Database(s) EPA ID Number

## WALMART SUPERCENTER #1500 (Continued)

1007990814

. Waste code: U058

. Waste name: 2H-1,3,2-OXAZAPHOSPHORIN-2-AMINE, N,N-BIS(2-CHLOROETHYL)TETRAHYDRO-,

2-OXIDE (OR) CYCLOPHOSPHAMIDE

Waste code: U072

Waste name: BENZENE, 1,4-DICHLORO- (OR) P-DICHLOROBENZENE

. Waste code: U080

. Waste name: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE

Waste code: U089

. Waste name: DIETHYLSTILBESTEROL (OR) PHENOL, 4,4'-(1,2-DIETHYL-1,2-ETHENEDIYL)BIS,

(E)-

Waste code: U112

Waste name: ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)

Waste code: U122

Waste name: FORMALDEHYDE

Waste code: U129

. Waste name: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA,

5ALPHA, 6BETA)- (OR) LINDANE

. Waste code: U132

. Waste name: HEXACHLOROPHENE (OR) PHENOL, 2,2'-METHYLENEBIS[3,4,6-TRICHLORO-

Waste code: U134

. Waste name: HYDROFLUORIC ACID (C,T) (OR) HYDROGEN FLUORIDE (C,T)

. Waste code: U150

. Waste name: L-PHENYLALANINE, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) MELPHALAN

Waste code: U154

. Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

. Waste code: U159

Waste name: 2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T)

. Waste code: U165

. Waste name: NAPHTHALENE

. Waste code: U182

Waste name: 1,3,5-TRIOXANE, 2,4,6-TRIMETHYL- (OR) PARALDEHYDE

. Waste code: U188 . Waste name: PHENOL

Waste code: U200

Waste name: RESERPINE (OR) YOHIMBAN-16-CARBOXYLIC ACID,

11,17-DIMETHOXY-18-[(3,4,5-TRIMETHOXYBENZOYL)OXY]-, METHYL ESTER,

(3BETA, 16BETA, 17ALPHA, 18BETA, 20ALPHA)-

. Waste code: U205

Waste name: SELENIUM SULFIDE (OR) SELENIUM SULFIDE SES2 (R,T)

. Waste code: U210

MAP FINDINGS Map ID

Direction Distance

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

## WALMART SUPERCENTER #1500 (Continued)

1007990814

Waste name: ETHENE, TETRACHLORO- (OR) TETRACHLOROETHYLENE

U249 Waste code:

ZINC PHOSPHIDE ZN3P2, WHEN PRESENT AT CONCENTRATIONS OF 10% OR LESS Waste name:

Waste code:

Waste name: CARBARYL (OR) 1-NAPHTHALENOL, METHYLCARBAMATE

Waste code:

Waste name: CARBAMIC ACID, [1,2-PHENYLENEBIS (IMINOCARBONOTHIOYL)]BIS-, DIMETHYL

ESTER (OR) THIOPHANATE-METHYL

Waste code:

PHENOL, 2-(1-METHYLETHOXY)-, METHYLCARBAMATE (OR) PROPOXUR Waste name:

Violation Status: No violations found

**BENCHMARK FOAM** RCRA-SQG 1001120839 SDR000001685

North 1/8-1/4 0.180 mi. 952 ft.

3200 9TH AVENUE SE WATERTOWN, SD 57201

RCRA-SQG: Relative:

Lower Date form received by agency: 09/16/1996

Facility name: BENCHMARK FOAM Actual: Facility address: 3200 9TH AVENUE SE 1756 ft.

WATERTOWN, SD 57201

EPA ID: SDR000001685 Mailing address: 9TH AVENUE SE

WATERTOWN, SD 57201

Contact: BRENDA HANSEN Contact address: 3200 9TH AVENUE SE

WATERTOWN, SD 57201

Contact country: US

Contact telephone: 605-886-8084 Contact email: Not reported EPA Region: 80 Land type: Private

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous

> waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of

hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: TOM DEVINE Owner/operator address: 3200 9TH AVE. SE WATERTOWN, SD 57201

Owner/operator country: Not reported 605-886-8084 Owner/operator telephone: Owner/operator email: Not reported Owner/operator fax: Not reported Owner/operator extension: Not reported Legal status: Private Owner/Operator Type: Owner Owner/Op start date: Not reported

MAP FINDINGS Map ID

Direction Distance

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

Not reported

**BENCHMARK FOAM (Continued)** 

Owner/Op end date:

1001120839

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 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: D001

Waste name: **IGNITABLE WASTE** 

Waste code: D018 Waste name: **BENZENE** 

Violation Status: No violations found

**Evaluation Action Summary:** 

Evaluation date: 10/14/1998

COMPLIANCE EVALUATION INSPECTION ON-SITE Evaluation:

C

Not reported Area of violation: Date achieved compliance: Not reported Evaluation lead agency: State

I-29 SHELL 8 NNE

**825 35TH STREET CIRCLE** WATERTOWN, SD 57201

1/4-1/2 0.294 mi. 1552 ft.

Relative: SD LUST: Higher Name:

PUMP N PAK - ASSESSMENT Address: 825 35TH STREET SE Actual: City, State, Zip: WATERTOWN, SD 57201 1772 ft. 2003.138

Facility ID: **Facility Status:** 

Material: Petroleum Quantity Spilled or Released:

Spill Category: Petroleum Source Type: UST

Other(See Case File) Site Type:

Date Reported: 08/25/2003 Date Closed: 09/30/2003

Responsible Party: Convenience Centers, Inc.

Property Type: Commercial SD LUST

**SD UST** 

U002315388

N/A

Distance

Elevation Site Database(s) EPA ID Number

I-29 SHELL (Continued) U002315388

ATP Number: Not reported

Lat/Long: 44.891158 / -97.060361

R1: DM
Regulated: True
PRCF Number: Not reported
Township: Not reported
Range: Not reported
Section: Not reported
First Quarter Section: Not reported

Acreage: 0

Institutional Controls: Not reported Image: True Cause Type: Spillage Solidwaste: Not reported Microroll: 224, Site ID: 7785 SD Dept of Agricultures Case Number: Not reported Decode For Fstatus: Closed

UST:

Name: I-29 SHELL

Address: 825 35TH STREET CIRCLE City,Zip: WATERTOWN,57201

Facility ID: 05-00013 Method: GPSN83NA

Lat/Long: 44.89114 / -97.060275000000004

Tank Status: Current
Tank Capacity: 4030
Tank Chemical: Diesel
Tank Type: Underground
Year Removed: Not reported

Reference: W/I PROPERTY BOUNDARY
Tank Age: 1993

Tank Material: Fiberglass
Tank Number: 1
Piping Material: Fiberglass
Piping Type: Pressure
Tank Release Detection: Auto Gauging
Piping Release Detection: Incon LLD
Spill Protection: Catchment Basin
Overfill Protection: Ball Float Valves

Inspected By: JPA
Inspected Date: 10/25/2018

Tank Status: Current
Tank Capacity: 4030
Tank Chemical: Gasoline
Tank Type: Underground
Year Removed: Not reported

Reference: W/I PROPERTY BOUNDARY

Tank Age: 1993
Tank Material: Fiberglass
Tank Number: 2
Piping Material: Fiberglass
Piping Type: Pressure

**EDR ID Number** 

Direction Distance

Elevation Site Database(s) EPA ID Number

I-29 SHELL (Continued) U002315388

Tank Release Detection:

Piping Release Detection:

Spill Protection:

Overfill Protection:

Auto Gauging
Incon LLD
Catchment Basin
Overfill Protection:

Ball Float Valves

Inspected By: JPA
Inspected Date: 10/25/2018

Tank Status: Current
Tank Capacity: 9728
Tank Chemical: Diesel
Tank Type: Underground
Year Removed: Not reported

Reference: W/I PROPERTY BOUNDARY

Tank Age: 1993
Tank Material: Fiberglass
Tank Number: 3

Piping Material:
Piping Type:
Pressure
Tank Release Detection:
Piping Release Detection:
Auto Gauging
Piping Release Detection:
Spill Protection:
Catchment Basin
Overfill Protection:
Ball Float Valves

Inspected By: JPA

Inspected Date: 10/25/2018

Tank Status: Current
Tank Capacity: 9728
Tank Chemical: Gasoline
Tank Type: Underground
Year Removed: Not reported

Reference: W/I PROPERTY BOUNDARY

Tank Age: 1993
Tank Material: Fiberglass
Tank Number: 4
Piping Material: Fiberglass

Piping Material.

Piping Type:

Tank Release Detection:

Piping Release Detection:

Spill Protection:

Overfill Protection:

Pressure

Auto Gauging

Incon LLD

Catchment Basin

Overfill Protection:

Ball Float Valves

Inspected By: JPA
Inspected Date: 10/25/2018

Tank Status: Current
Tank Capacity: 9728
Tank Chemical: Gasoline
Tank Type: Underground
Year Removed: Not reported

Reference: W/I PROPERTY BOUNDARY

Tank Age: 1993
Tank Material: Fiberglass
Tank Number: 5
Piping Material: Fiberglass
Piping Type: Pressure

**EDR ID Number** 

Direction Distance

Elevation Site Database(s) EPA ID Number

I-29 SHELL (Continued) U002315388

Tank Release Detection:

Piping Release Detection:

Spill Protection:

Overfill Protection:

Auto Gauging
Incon LLD
Catchment Basin
Overfill Protection:

Ball Float Valves

Inspected By: JPA
Inspected Date: 10/25/2018

9 ASSESSMENT - CONSTRUCTION AGGREGATE SITE SD SWI

NNW 600 31ST STREET NE

SD SWRCY S117272949 SD SPILLS N/A

**EDR ID Number** 

1/4-1/2 WATERTOWN, SD 57201

0.356 mi. 1880 ft.

Relative: SD SWRCY:

Lower Name: MCLAUGHLIN AND SCHULZ, INC.

Actual: Address: 600 31ST STREET SE 1762 ft. City,State,Zip: WATERTOWN, SD fold?: Not reported.

fadd2: Not reported Contact: Mike Dondelinger Not reported Zip4: Not reported Mobile: Fax: Not reported Not reported Toll Free: Not reported EMail: URL: Not reported Not reported Direction: Facility Tele: (605) 886-2257

Material Accepted: Accepts both concrete and asphalt pavement for recycling, must contact

for information.

SD SPILL:

Name: ASSESSMENT - CONSTRUCTION AGGREGATE SITE

Address: 600 31ST STREET NE
City, State, Zip: WATERTOWN, SD 57201

Site ID: 13652
Facility ID: 2016.067

Facility Status:No Further ActionMaterial:Diesel & PAHsSite Type:Other(See Case File)

Quantity Spilled or Released: Not reported

Responsible Prty: McLaughlin & Schulz

Date Reported: 04/27/2016

Spill Category: Combined(See Case File)

Property Type: Industrial Date Closed: 05/29/2018 Source Type: Equipment Atp Number: Not reported Case Reviewer 1: GMS Regulated: False PRCF Number: Not reported Not reported Acreage: Institutional Controls: Not reported Leaks and Spills Cause Type: Not reported Solidwaste:

Microroll: Not reported SD Dept of Agricultures Case Number: Not reported

Lat/Long: 44.895916 / -97.063905

Direction Distance

Elevation Site Database(s) EPA ID Number

10 J&M TRUCKING - NOZZLE SPILL SD LUST S113407315 NE STONE'S TRUCK STOP - 3800 9TH AVE SE N/A

1/4-1/2 WATERTOWN, SD 57201

0.496 mi. 2617 ft.

Relative: SD LUST:
Higher Name: J&M TRUCKING - NOZZLE SPILL

Actual: Address: STONE'S TRUCK STOP - 3800 9TH AVE SE

1774 ft. City,State,Zip: WATERTOWN, SD 57201

Facility ID: 2004.2

Facility Status: C

Material: Diesel

Quantity Spilled or Released: 60

Spill Category: Petroleum

Source Type: UST

Site Type: Other(See Case File)

Date Reported: 12/19/2004
Date Closed: 03/18/2005
Responsible Party: J&M Trucking
Property Type: Commercial
ATP Number: Not reported

Lat/Long: 44.891511 / -97.05455

R1: RL
Regulated: True
PRCF Number: Not reported
Township: Not reported
Range: Not reported
Section: Not reported
First Quarter Section: Not reported

Acreage: 0

Institutional Controls: Not reported Image: True

Cause Type: Unattended Nozzle
Solidwaste: Not reported
Microroll: 238
Site ID: 8085
SD Dept of Agricultures Case Number: Not reported

Decode For Fstatus: Closed

**EDR ID Number** 

Count: 0 records. ORPHAN SUMMARY

City EDR ID Site Name Site Address Zip Database(s)

NO SITES FOUND

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: 07/19/2019 Source: EPA
Date Data Arrived at EDR: 07/30/2019 Telephone: N/A

Number of Days to Update: 35 Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Quarterly

**NPL Site Boundaries** 

Sources

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1 EPA Region 6

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

EPA Region 3 EPA Region 7

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

EPA Region 4 EPA Region 8

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

EPA Region 5 EPA Region 9

Telephone 312-886-6686 Telephone: 415-947-4246

EPA Region 10

Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

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

Source: EPA

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Percents: 09/03/2019

Number of Days to Update: 35

Telephone: N/A Last EDR Contact: 09/05/2019

Next Scheduled EDR Contact: 10/14/2019

Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

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

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

Number of Days to Update: 56

Source: EPA

Telephone: 202-564-4267 Last EDR Contact: 08/15/2011

Next Scheduled EDR Contact: 11/28/2011 Data Release Frequency: No Update Planned

### Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

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

Date of Government Version: 07/19/2019 Date Data Arrived at EDR: 07/30/2019 Date Made Active in Reports: 09/03/2019

Number of Days to Update: 35

Source: EPA Telephone: N/A

Last EDR Contact: 09/05/2019

Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Quarterly

### Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

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

Date of Government Version: 04/03/2019 Date Data Arrived at EDR: 04/05/2019 Date Made Active in Reports: 05/14/2019

Number of Days to Update: 39

Source: Environmental Protection Agency Telephone: 703-603-8704

Last EDR Contact: 07/03/2019

Next Scheduled EDR Contact: 10/14/2019 Data Release Frequency: Varies

### SEMS: Superfund Enterprise Management System

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

Date of Government Version: 07/19/2019 Date Data Arrived at EDR: 07/30/2019 Date Made Active in Reports: 09/03/2019

Number of Days to Update: 35

Source: EPA Telephone: 800-424-9346 Last EDR Contact: 09/05/2019

Next Scheduled EDR Contact: 10/28/2019 Data Release Frequency: Quarterly

#### Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

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

Date of Government Version: 07/19/2019 Date Data Arrived at EDR: 07/30/2019 Date Made Active in Reports: 09/03/2019

Number of Days to Update: 35

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 09/05/2019

Next Scheduled EDR Contact: 10/28/2019 Data Release Frequency: Quarterly

### Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/25/2019 Date Data Arrived at EDR: 03/27/2019 Date Made Active in Reports: 04/17/2019

Number of Days to Update: 21

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 06/26/2019

Next Scheduled EDR Contact: 10/07/2019 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: 03/25/2019 Date Data Arrived at EDR: 03/27/2019 Date Made Active in Reports: 04/17/2019

Number of Days to Update: 21

Source: Environmental Protection Agency

Telephone: 303-312-6149 Last EDR Contact: 06/26/2019

Next Scheduled EDR Contact: 10/07/2019 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: 03/25/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/17/2019

Number of Days to Update: 21

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

Last EDR Contact: 06/26/2019

Next Scheduled EDR Contact: 10/07/2019 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: 03/25/2019 Date Data Arrived at EDR: 03/27/2019 Date Made Active in Reports: 04/17/2019

Number of Days to Update: 21

Source: Environmental Protection Agency

Telephone: 303-312-6149 Last EDR Contact: 06/26/2019

Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Quarterly

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

Date of Government Version: 03/25/2019 Date Data Arrived at EDR: 03/27/2019 Date Made Active in Reports: 04/17/2019

Number of Days to Update: 21

Source: Environmental Protection Agency

Telephone: 303-312-6149 Last EDR Contact: 06/26/2019

Next Scheduled EDR Contact: 10/07/2019 Data Release Frequency: Quarterly

### Federal institutional controls / engineering controls registries

#### LUCIS: Land Use Control Information System

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

Date of Government Version: 08/13/2019 Date Data Arrived at EDR: 08/20/2019 Date Made Active in Reports: 08/26/2019

Number of Days to Update: 6

Source: Department of the Navy Telephone: 843-820-7326 Last EDR Contact: 08/07/2019

Next Scheduled EDR Contact: 11/25/2019 Data Release Frequency: Varies

#### US ENG CONTROLS: Engineering Controls Sites List

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

Date of Government Version: 08/19/2019 Date Data Arrived at EDR: 08/20/2019 Date Made Active in Reports: 08/26/2019

Number of Days to Update: 6

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 08/20/2019

Next Scheduled EDR Contact: 12/09/2019 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: 08/19/2019 Date Data Arrived at EDR: 08/20/2019 Date Made Active in Reports: 08/26/2019

Number of Days to Update: 6

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 08/20/2019

Next Scheduled EDR Contact: 12/09/2019

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: 03/25/2019 Date Data Arrived at EDR: 03/26/2019 Date Made Active in Reports: 05/01/2019

Number of Days to Update: 36

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180 Last EDR Contact: 09/09/2019

Next Scheduled EDR Contact: 10/07/2019 Data Release Frequency: Quarterly

### State- and tribal - equivalent CERCLIS

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

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

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

Number of Days to Update: N/A

Source: Department of Environment & Natural Resources

Telephone: 605-773-3296 Last EDR Contact: 06/17/2019

Next Scheduled EDR Contact: 09/30/2019

Data Release Frequency: N/A

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

SWF/LF: Solid Waste Facilities

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

Date of Government Version: 01/14/2019 Date Data Arrived at EDR: 01/17/2019 Date Made Active in Reports: 02/19/2019

Number of Days to Update: 33

Source: Department of Environment and Natural Resources

Telephone: 605-773-3153 Last EDR Contact: 06/26/2019

Next Scheduled EDR Contact: 10/14/2019 Data Release Frequency: Quarterly

## State and tribal leaking storage tank lists

LAST: Leaking Aboveground Storage Tanks

Leaking Aboveground Storage Tank Incident Reports.

Date of Government Version: 04/08/2019 Date Data Arrived at EDR: 04/10/2019 Date Made Active in Reports: 06/20/2019

Number of Days to Update: 71

Source: Department of Environment and Natural Resources

Telephone: 605 773-3296 Last EDR Contact: 07/10/2019

Next Scheduled EDR Contact: 10/21/2019 Data Release Frequency: Quarterly

LUST: Leaking Underground Storage Tank List

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state. Please be aware that this is not a complete list of reported spills/release for the state of South Dakota.

Date of Government Version: 04/08/2019 Date Data Arrived at EDR: 04/10/2019 Date Made Active in Reports: 06/20/2019

Number of Days to Update: 71

Source: Department of Environment and Natural Resources

Telephone: 605-773-3296 Last EDR Contact: 07/10/2019

Next Scheduled EDR Contact: 10/21/2019 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: 10/10/2018 Date Data Arrived at EDR: 03/08/2019 Date Made Active in Reports: 05/01/2019

Number of Days to Update: 54

Source: Environmental Protection Agency

Telephone: 415-972-3372 Last EDR Contact: 07/29/2019

Next Scheduled EDR Contact: 11/04/2019 Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/16/2018 Date Data Arrived at EDR: 03/07/2019 Date Made Active in Reports: 05/01/2019

Number of Days to Update: 55

Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 07/29/2019

Next Scheduled EDR Contact: 11/04/2019 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: 02/19/2019 Date Data Arrived at EDR: 03/07/2019 Date Made Active in Reports: 05/01/2019

Number of Days to Update: 55

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 07/29/2019

Next Scheduled EDR Contact: 11/04/2019 Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 11/01/2018 Date Data Arrived at EDR: 03/07/2019 Date Made Active in Reports: 05/01/2019

Number of Days to Update: 55

Source: EPA Region 6 Telephone: 214-665-6597 Last EDR Contact: 07/29/2019

Next Scheduled EDR Contact: 11/04/2019 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: 09/24/2018 Date Data Arrived at EDR: 03/12/2019 Date Made Active in Reports: 05/01/2019

Number of Days to Update: 50

Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 07/23/2019

Next Scheduled EDR Contact: 11/04/2019 Data Release Frequency: Varies

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

Date of Government Version: 10/13/2018 Date Data Arrived at EDR: 03/07/2019 Date Made Active in Reports: 05/01/2019

Number of Days to Update: 55

Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 07/29/2019

Next Scheduled EDR Contact: 11/04/2019 Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/12/2018 Date Data Arrived at EDR: 03/07/2019 Date Made Active in Reports: 05/01/2019

Number of Days to Update: 55

Source: EPA, Region 5 Telephone: 312-886-7439 Last EDR Contact: 07/29/2019

Next Scheduled EDR Contact: 11/04/2019 Data Release Frequency: Varies

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

Date of Government Version: 10/17/2018 Date Data Arrived at EDR: 03/07/2019 Date Made Active in Reports: 05/01/2019

Number of Days to Update: 55

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 07/29/2019

Next Scheduled EDR Contact: 11/04/2019 Data Release Frequency: Varies

#### State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

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

Number of Days to Update: 136

Source: FEMA

Telephone: 202-646-5797 Last EDR Contact: 08/26/2019

Next Scheduled EDR Contact: 10/21/2019 Data Release Frequency: Varies

UST: Underground Storage Tanks

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

Date of Government Version: 05/07/2019 Date Data Arrived at EDR: 05/08/2019 Date Made Active in Reports: 06/14/2019

Number of Days to Update: 37

Source: Department of Environment and Natural Resources

Telephone: 605-773-3296 Last EDR Contact: 08/07/2019

Next Scheduled EDR Contact: 11/18/2019 Data Release Frequency: Quarterly

AST: Aboveground Storage Tanks

Registered Aboveground Storage Tanks.

Date of Government Version: 05/07/2019 Date Data Arrived at EDR: 05/08/2019 Date Made Active in Reports: 06/14/2019

Number of Days to Update: 37

Source: Department of Environment & Natural Resources

Telephone: 605-773-3296 Last EDR Contact: 08/07/2019

Next Scheduled EDR Contact: 11/18/2019 Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

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

Date of Government Version: 11/07/2018 Date Data Arrived at EDR: 03/07/2019 Date Made Active in Reports: 05/01/2019

Number of Days to Update: 55

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 07/29/2019

Next Scheduled EDR Contact: 11/04/2019 Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/03/2018 Date Data Arrived at EDR: 03/07/2019 Date Made Active in Reports: 05/01/2019

Number of Days to Update: 55

Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 07/29/2019

Next Scheduled EDR Contact: 11/04/2019 Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/17/2018 Date Data Arrived at EDR: 03/07/2019 Date Made Active in Reports: 05/01/2019

Number of Days to Update: 55

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 07/29/2019

Next Scheduled EDR Contact: 11/04/2019 Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/10/2018 Date Data Arrived at EDR: 03/08/2019 Date Made Active in Reports: 05/01/2019

Number of Days to Update: 54

Source: EPA Region 9 Telephone: 415-972-3368 Last EDR Contact: 07/29/2019

Next Scheduled EDR Contact: 11/04/2019 Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/12/2018 Date Data Arrived at EDR: 03/07/2019 Date Made Active in Reports: 05/01/2019

Number of Days to Update: 55

Source: EPA Region 5 Telephone: 312-886-6136 Last EDR Contact: 07/29/2019

Next Scheduled EDR Contact: 11/05/2019 Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

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

Date of Government Version: 11/01/2018 Date Data Arrived at EDR: 03/07/2019 Date Made Active in Reports: 05/01/2019

Number of Days to Update: 55

Source: EPA Region 6 Telephone: 214-665-7591 Last EDR Contact: 07/29/2019

Next Scheduled EDR Contact: 11/04/2019 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: 09/24/2018 Date Data Arrived at EDR: 03/12/2019 Date Made Active in Reports: 05/01/2019

Number of Days to Update: 50

Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 07/23/2019

Next Scheduled EDR Contact: 11/04/2019 Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/16/2018 Date Data Arrived at EDR: 03/07/2019 Date Made Active in Reports: 05/01/2019

Number of Days to Update: 55

Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 08/05/2019

Next Scheduled EDR Contact: 11/04/2019 Data Release Frequency: Varies

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

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

Date of Government Version: 04/08/2019 Date Data Arrived at EDR: 04/10/2019 Date Made Active in Reports: 06/20/2019

Number of Days to Update: 71

Source: Department of Environment & Natural Resources

Telephone: 605-773-3296 Last EDR Contact: 07/10/2019

Next Scheduled EDR Contact: 10/21/2019 Data Release Frequency: Quarterly

#### State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

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

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

Number of Days to Update: 27

Source: EPA, Region 7 Telephone: 913-551-7365 Last EDR Contact: 04/20/2009

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

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

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

INDIAN VCP R1: Voluntary Cleanup Priority Listing

Number of Days to Update: 142

Source: EPA, Region 1 Telephone: 617-918-1102 Last EDR Contact: 06/20/2019

Next Scheduled EDR Contact: 10/07/2019 Data Release Frequency: Varies

### State and tribal Brownfields sites

BROWNFIELDS: List of Brownfields Sites

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

Date of Government Version: 04/08/2019 Date Data Arrived at EDR: 04/10/2019 Date Made Active in Reports: 06/20/2019

Number of Days to Update: 71

Source: Department of Environment & Natural Resources

Telephone: 605-773-3296 Last EDR Contact: 07/10/2019

Next Scheduled EDR Contact: 10/21/2019 Data Release Frequency: Quarterly

### ADDITIONAL ENVIRONMENTAL RECORDS

### Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

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

Date of Government Version: 06/03/2019 Date Data Arrived at EDR: 06/04/2019 Date Made Active in Reports: 08/26/2019

Number of Days to Update: 83

Source: Environmental Protection Agency Telephone: 202-566-2777

Last EDR Contact: 06/04/2019

Next Scheduled EDR Contact: 09/30/2019 Data Release Frequency: Semi-Annually

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

SWRCY: Businesses that Accept Recyclables

A listing of recycling facilities.

Date of Government Version: 04/02/2019 Date Data Arrived at EDR: 04/04/2019 Date Made Active in Reports: 06/20/2019

Number of Days to Update: 77

Source: Department of Environmental & Natural Resources

Telephone: 605-773-3153 Last EDR Contact: 07/01/2019

Next Scheduled EDR Contact: 10/14/2019 Data Release Frequency: Quarterly

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

Location of open dumps on Indian land.

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

Number of Days to Update: 52

Source: Environmental Protection Agency

Telephone: 703-308-8245 Last EDR Contact: 07/25/2019

Next Scheduled EDR Contact: 11/11/2019 Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside

County and northern Imperial County, California.

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

Number of Days to Update: 137

Source: EPA, Region 9 Telephone: 415-947-4219 Last EDR Contact: 07/19/2019

Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

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

Subtitle D Criteria.

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

Number of Days to Update: 39

Source: Environmental Protection Agency

Telephone: 800-424-9346 Last EDR Contact: 06/09/2004 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

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

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

Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service

Telephone: 301-443-1452 Last EDR Contact: 08/02/2019

Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

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

Date of Government Version: 06/11/2019 Date Data Arrived at EDR: 06/13/2019 Date Made Active in Reports: 09/03/2019

Number of Days to Update: 82

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 08/21/2019

Next Scheduled EDR Contact: 12/09/2019 Data Release Frequency: No Update Planned

CDL: Clandestine Drug Labs

A listing of clandestine drug lab site locations.

Date of Government Version: 04/08/2019 Date Data Arrived at EDR: 04/10/2019 Date Made Active in Reports: 06/21/2019

Number of Days to Update: 72

Source: Department of Environment & Natural Resources

Telephone: 605-773-3296 Last EDR Contact: 07/10/2019

Next Scheduled EDR Contact: 10/21/2019 Data Release Frequency: Quarterly

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: 06/11/2019 Date Data Arrived at EDR: 06/13/2019 Date Made Active in Reports: 09/03/2019

Number of Days to Update: 82

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 08/21/2019

Next Scheduled EDR Contact: 12/09/2019 Data Release Frequency: Quarterly

#### Local Land Records

LIENS 2: CERCLA Lien Information

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

Date of Government Version: 07/30/2019 Date Data Arrived at EDR: 07/30/2019 Date Made Active in Reports: 09/03/2019

Number of Days to Update: 35

Source: Environmental Protection Agency

Telephone: 202-564-6023 Last EDR Contact: 09/05/2019

Next Scheduled EDR Contact: 10/14/2019 Data Release Frequency: Semi-Annually

## Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

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

Date of Government Version: 03/25/2019 Date Data Arrived at EDR: 03/26/2019 Date Made Active in Reports: 05/14/2019

Number of Days to Update: 49

Source: U.S. Department of Transportation

Telephone: 202-366-4555 Last EDR Contact: 06/26/2019

Next Scheduled EDR Contact: 10/07/2019 Data Release Frequency: Quarterly

SPILLS: Spills

Spills and releases of regulated substances.

Date of Government Version: 04/08/2019 Date Data Arrived at EDR: 04/10/2019 Date Made Active in Reports: 06/20/2019

Number of Days to Update: 71

Source: Department of Environment and Natural Resources

Telephone: 605-773-3296 Last EDR Contact: 07/10/2019

Next Scheduled EDR Contact: 10/21/2019 Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

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

Date of Government Version: 11/02/2012 Date Data Arrived at EDR: 01/03/2013 Date Made Active in Reports: 03/15/2013

Number of Days to Update: 71

Source: FirstSearch Telephone: N/A

Last EDR Contact: 01/03/2013 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

#### Other Ascertainable Records

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

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

Date of Government Version: 03/25/2019 Date Data Arrived at EDR: 03/27/2019 Date Made Active in Reports: 04/17/2019

Number of Days to Update: 21

Source: Environmental Protection Agency

Telephone: 303-312-6149 Last EDR Contact: 06/26/2019

Next Scheduled EDR Contact: 10/07/2019 Data Release Frequency: Quarterly

#### FUDS: Formerly Used Defense Sites

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

Date of Government Version: 05/15/2019 Date Data Arrived at EDR: 05/21/2019 Date Made Active in Reports: 08/08/2019

Number of Days to Update: 79

Source: U.S. Army Corps of Engineers

Telephone: 202-528-4285 Last EDR Contact: 08/23/2019

Next Scheduled EDR Contact: 12/02/2019 Data Release Frequency: Varies

## DOD: Department of Defense Sites

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

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

Number of Days to Update: 62

Source: USGS

Telephone: 888-275-8747 Last EDR Contact: 07/09/2019

Next Scheduled EDR Contact: 10/21/2019 Data Release Frequency: Semi-Annually

## FEDLAND: Federal and Indian Lands

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

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

Number of Days to Update: 339

Source: U.S. Geological Survey Telephone: 888-275-8747 Last EDR Contact: 07/10/2019

Next Scheduled EDR Contact: 10/21/2019

Data Release Frequency: N/A

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

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

Date of Government Version: 01/01/2017 Date Data Arrived at EDR: 02/03/2017 Date Made Active in Reports: 04/07/2017

Number of Days to Update: 63

Source: Environmental Protection Agency

Telephone: 615-532-8599 Last EDR Contact: 08/16/2019

Next Scheduled EDR Contact: 11/25/2019 Data Release Frequency: Varies

### US FIN ASSUR: Financial Assurance Information

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

Date of Government Version: 03/25/2019 Date Data Arrived at EDR: 03/26/2019 Date Made Active in Reports: 05/07/2019

Number of Days to Update: 42

Source: Environmental Protection Agency

Telephone: 202-566-1917 Last EDR Contact: 06/26/2019

Next Scheduled EDR Contact: 10/07/2019 Data Release Frequency: Quarterly

#### EPA WATCH LIST: EPA WATCH LIST

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

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

Number of Days to Update: 88

Source: Environmental Protection Agency

Telephone: 617-520-3000 Last EDR Contact: 08/05/2019

Next Scheduled EDR Contact: 11/18/2019

Data Release Frequency: Quarterly

## 2020 COR ACTION: 2020 Corrective Action Program List

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

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

Number of Days to Update: 73

Source: Environmental Protection Agency

Telephone: 703-308-4044 Last EDR Contact: 08/09/2019

Next Scheduled EDR Contact: 11/18/2019

Data Release Frequency: Varies

### TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2016 Date Data Arrived at EDR: 06/21/2017 Date Made Active in Reports: 01/05/2018

Number of Days to Update: 198

Source: EPA

Telephone: 202-260-5521 Last EDR Contact: 06/18/2019

Next Scheduled EDR Contact: 09/30/2019 Data Release Frequency: Every 4 Years

## TRIS: Toxic Chemical Release Inventory System

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

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

Number of Days to Update: 2

Source: EPA

Telephone: 202-566-0250 Last EDR Contact: 08/23/2019

Next Scheduled EDR Contact: 12/02/2019 Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

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

Date of Government Version: 09/30/2018 Date Data Arrived at EDR: 04/24/2019 Date Made Active in Reports: 08/08/2019

Number of Days to Update: 106

Source: EPA

Telephone: 202-564-4203 Last EDR Contact: 07/26/2019

Next Scheduled EDR Contact: 11/04/2019 Data Release Frequency: Annually

ROD: Records Of Decision

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

Date of Government Version: 07/19/2019 Date Data Arrived at EDR: 07/30/2019 Date Made Active in Reports: 09/03/2019

Number of Days to Update: 35

Source: EPA

Telephone: 703-416-0223 Last EDR Contact: 09/05/2019

Next Scheduled EDR Contact: 12/16/2019 Data Release Frequency: Annually

RMP: Risk Management Plans

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

Date of Government Version: 04/25/2019 Date Data Arrived at EDR: 05/02/2019 Date Made Active in Reports: 05/23/2019

Number of Days to Update: 21

Source: Environmental Protection Agency Telephone: 202-564-8600

Last EDR Contact: 07/22/2019

Next Scheduled EDR Contact: 11/04/2019 Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

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

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

Number of Days to Update: 35

Source: EPA

Telephone: 202-564-4104 Last EDR Contact: 06/02/2008

Next Scheduled EDR Contact: 09/01/2008 Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 04/11/2019 Date Data Arrived at EDR: 04/18/2019 Date Made Active in Reports: 05/23/2019

Number of Days to Update: 35

Source: EPA

Telephone: 202-564-6023 Last EDR Contact: 09/05/2019

Next Scheduled EDR Contact: 11/18/2019 Data Release Frequency: Quarterly

PADS: PCB Activity Database System

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

Date of Government Version: 03/20/2019 Date Data Arrived at EDR: 04/10/2019 Date Made Active in Reports: 05/14/2019

Number of Days to Update: 34

Source: EPA

Telephone: 202-566-0500 Last EDR Contact: 07/12/2019

Next Scheduled EDR Contact: 10/21/2019 Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

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

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

Number of Days to Update: 79

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 07/03/2019

Next Scheduled EDR Contact: 10/21/2019 Data Release Frequency: Quarterly

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

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

Agency on a quarterly basis.

Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Telephone: 202-566-1667 Last EDR Contact: 08/18/2017

Next Scheduled EDR Contact: 12/04/2017 Data Release Frequency: No Update Planned

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

Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 25

Source: EPA

Telephone: 202-566-1667 Last EDR Contact: 08/18/2017

Next Scheduled EDR Contact: 12/04/2017 Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

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

Date of Government Version: 06/20/2019 Date Data Arrived at EDR: 06/20/2019 Date Made Active in Reports: 08/08/2019

Number of Days to Update: 49

Source: Nuclear Regulatory Commission Telephone: 301-415-7169

Last EDR Contact: 09/04/2019 Next Scheduled EDR Contact: 11/04/2019

Next Scheduled EDR Contact: 11/04/20
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data A listing of power plants that store ash in surface ponds.

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

Number of Days to Update: 76

Source: Department of Energy Telephone: 202-586-8719 Last EDR Contact: 09/06/2019

Next Scheduled EDR Contact: 12/16/2019 Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

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

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

Number of Days to Update: 40

Last EDR Contact: 09/03/2019

Telephone: N/A

Next Scheduled EDR Contact: 12/16/2019

Source: Environmental Protection Agency

Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

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

Date of Government Version: 05/24/2017 Date Data Arrived at EDR: 11/30/2017 Date Made Active in Reports: 12/15/2017

Number of Days to Update: 15

Source: Environmental Protection Agency

Telephone: 202-566-0517 Last EDR Contact: 08/09/2019

Next Scheduled EDR Contact: 11/04/2019

Data Release Frequency: Varies

RADINFO: Radiation Information Database

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

Date of Government Version: 04/02/2019 Date Data Arrived at EDR: 04/02/2019 Date Made Active in Reports: 05/14/2019

Number of Days to Update: 42

Source: Environmental Protection Agency

Telephone: 202-343-9775 Last EDR Contact: 07/01/2019

Next Scheduled EDR Contact: 10/14/2019 Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

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

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

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2007

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

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

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

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

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2008

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

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

Date of Government Version: 04/01/2019 Date Data Arrived at EDR: 04/30/2019 Date Made Active in Reports: 08/08/2019

Number of Days to Update: 100

Source: Department of Transporation, Office of Pipeline Safety

Telephone: 202-366-4595 Last EDR Contact: 07/31/2019

Next Scheduled EDR Contact: 11/11/2019 Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

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

Date of Government Version: 03/31/2019 Date Data Arrived at EDR: 04/23/2019 Date Made Active in Reports: 05/23/2019

Number of Days to Update: 30

Source: Department of Justice, Consent Decree Library

Telephone: Varies

Last EDR Contact: 07/08/2019

Next Scheduled EDR Contact: 10/21/2019

Data Release Frequency: Varies

**BRS: Biennial Reporting System** 

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

Date of Government Version: 12/31/2015 Date Data Arrived at EDR: 02/22/2017 Date Made Active in Reports: 09/28/2017

Number of Days to Update: 218

Source: EPA/NTIS Telephone: 800-424-9346 Last EDR Contact: 06/26/2019

Next Scheduled EDR Contact: 10/07/2019 Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

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

Date of Government Version: 12/31/2014 Date Data Arrived at EDR: 07/14/2015 Date Made Active in Reports: 01/10/2017

Number of Days to Update: 546

Source: USGS

Telephone: 202-208-3710 Last EDR Contact: 07/10/2019

Next Scheduled EDR Contact: 10/21/2019 Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

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

Date of Government Version: 08/08/2017 Date Data Arrived at EDR: 09/11/2018 Date Made Active in Reports: 09/14/2018

Number of Days to Update: 3

Source: Department of Energy Telephone: 202-586-3559 Last EDR Contact: 07/30/2019

Next Scheduled EDR Contact: 11/18/2019 Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

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

Date of Government Version: 06/23/2017 Date Data Arrived at EDR: 10/11/2017 Date Made Active in Reports: 11/03/2017

Number of Days to Update: 23

Source: Department of Energy Telephone: 505-845-0011 Last EDR Contact: 08/21/2019

Next Scheduled EDR Contact: 12/02/2019 Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 07/19/2019 Date Data Arrived at EDR: 07/30/2019 Date Made Active in Reports: 09/03/2019

Number of Days to Update: 35

Source: Environmental Protection Agency

Telephone: 703-603-8787 Last EDR Contact: 09/05/2019

Next Scheduled EDR Contact: 10/14/2019 Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

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

Date of Government Version: 04/05/2001 Date Data Arrived at EDR: 10/27/2010 Date Made Active in Reports: 12/02/2010

Number of Days to Update: 36

Source: American Journal of Public Health

Telephone: 703-305-6451 Last EDR Contact: 12/02/2009 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

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

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

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

Number of Days to Update: 100

Source: EPA

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

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

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

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

Number of Days to Update: 100

Source: EPA

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

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

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: 05/03/2019 Date Data Arrived at EDR: 05/29/2019 Date Made Active in Reports: 08/08/2019

Number of Days to Update: 71

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959 Last EDR Contact: 08/27/2019

Next Scheduled EDR Contact: 12/09/2019 Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

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

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

Number of Days to Update: 49

Source: USGS

Telephone: 703-648-7709 Last EDR Contact: 08/30/2019

Next Scheduled EDR Contact: 12/09/2019 Data Release Frequency: Varies

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

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

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

Number of Days to Update: 97

Source: USGS

Telephone: 703-648-7709 Last EDR Contact: 08/30/2019

Next Scheduled EDR Contact: 12/09/2019

Data Release Frequency: Varies

#### ABANDONED MINES: Abandoned Mines

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

Date of Government Version: 03/27/2019 Date Data Arrived at EDR: 03/28/2019 Date Made Active in Reports: 05/01/2019

Number of Days to Update: 34

Source: Department of Interior Telephone: 202-208-2609 Last EDR Contact: 09/10/2019

Next Scheduled EDR Contact: 12/23/2019 Data Release Frequency: Quarterly

### FINDS: Facility Index System/Facility Registry System

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

Date of Government Version: 05/03/2019 Date Data Arrived at EDR: 06/05/2019 Date Made Active in Reports: 09/03/2019

Number of Days to Update: 90

Source: EPA

Telephone: (303) 312-6312 Last EDR Contact: 09/04/2019

Next Scheduled EDR Contact: 12/16/2019 Data Release Frequency: Quarterly

### ECHO: Enforcement & Compliance History Information

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

Date of Government Version: 04/07/2019 Date Data Arrived at EDR: 04/09/2019 Date Made Active in Reports: 05/23/2019

Number of Days to Update: 44

Source: Environmental Protection Agency

Telephone: 202-564-2280 Last EDR Contact: 07/09/2019

Next Scheduled EDR Contact: 10/21/2019 Data Release Frequency: Quarterly

### DOCKET HWC: Hazardous Waste Compliance Docket Listing

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

Date of Government Version: 05/31/2018 Date Data Arrived at EDR: 07/26/2018 Date Made Active in Reports: 10/05/2018

Number of Days to Update: 71

Source: Environmental Protection Agency

Telephone: 202-564-0527 Last EDR Contact: 08/21/2019

Next Scheduled EDR Contact: 12/09/2019 Data Release Frequency: Varies

**UXO: Unexploded Ordnance Sites** 

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2017 Date Data Arrived at EDR: 01/17/2019 Date Made Active in Reports: 04/01/2019

Number of Days to Update: 74

Source: Department of Defense Telephone: 703-704-1564 Last EDR Contact: 07/15/2019

Next Scheduled EDR Contact: 10/28/2019 Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

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

Date of Government Version: 05/20/2019 Date Data Arrived at EDR: 05/21/2019 Date Made Active in Reports: 08/08/2019

Number of Days to Update: 79

Source: EPA

Telephone: 800-385-6164 Last EDR Contact: 08/20/2019

Next Scheduled EDR Contact: 12/02/2019 Data Release Frequency: Quarterly

AIRS: Air Emissions Listing

A listing of facilities with air emissions.

Date of Government Version: 04/02/2019 Date Data Arrived at EDR: 04/04/2019 Date Made Active in Reports: 06/20/2019

Number of Days to Update: 77

Source: Department of Environment & Natural Resources

Telephone: 605-773-4209 Last EDR Contact: 07/01/2019

Next Scheduled EDR Contact: 10/14/2019 Data Release Frequency: Semi-Annually

ASBESTOS: Asbestos Notification Listing

Asbestos notification sites

Date of Government Version: 05/23/2019 Date Data Arrived at EDR: 05/23/2019 Date Made Active in Reports: 06/18/2019

Number of Days to Update: 26

Source: Department of Environment & Natural Resources

Telephone: 605-773-5315 Last EDR Contact: 08/16/2019

Next Scheduled EDR Contact: 12/02/2019 Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Site Listing A listing of coal ash disposal site locations.

> Date of Government Version: 01/03/2019 Date Data Arrived at EDR: 01/04/2019 Date Made Active in Reports: 02/19/2019

Number of Days to Update: 46

Source: Department of Environment & Natural Resources

Telephone: 605-773-3153 Last EDR Contact: 06/26/2019

Next Scheduled EDR Contact: 10/14/2019 Data Release Frequency: Varies

DRYCLEANERS: Listing of Registered Drycleaners A listing of registered drycleaner facility locations.

Date of Government Version: 04/02/2019 Date Data Arrived at EDR: 04/04/2019 Date Made Active in Reports: 06/20/2019

Number of Days to Update: 77

Source: Department of Environmental & Natural Resources

Telephone: 605-773-3151 Last EDR Contact: 07/01/2019

Next Scheduled EDR Contact: 10/14/2019 Data Release Frequency: Semi-Annually

Financial Assurance: Financial Assurance Information Listing

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

Date of Government Version: 06/17/2019 Date Data Arrived at EDR: 06/18/2019 Date Made Active in Reports: 06/18/2019

Number of Days to Update: 0

Source: Department of Environment & Natural Resources

Telephone: 605-773-3153 Last EDR Contact: 06/17/2019

Next Scheduled EDR Contact: 09/30/2019 Data Release Frequency: Semi-Annually

NPDES: Wastewater Permit Listing

A listing of wastewater permit facility locations.

Date of Government Version: 06/13/2019 Date Data Arrived at EDR: 06/13/2019 Date Made Active in Reports: 06/18/2019

Number of Days to Update: 5

Source: Department of Environment & Natural Resources

Telephone: 605-773-3351 Last EDR Contact: 06/13/2019

Next Scheduled EDR Contact: 09/30/2019 Data Release Frequency: Quarterly

UIC: Underground Injection Wells Listing

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

Date of Government Version: 05/13/2019 Date Data Arrived at EDR: 05/15/2019 Date Made Active in Reports: 06/18/2019

Number of Days to Update: 34

Source: Department of Environment & Natural Resources

Telephone: 605-394-2229 Last EDR Contact: 08/13/2019

Next Scheduled EDR Contact: 11/25/2019 Data Release Frequency: Semi-Annually

### **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 Date Made Active in Reports: N/A

Number of Days to Update: N/A

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

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

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

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

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

Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

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

Date of Government Version: N/A Source: EDR, Inc. Date Data Arrived at EDR: N/A Telephone: N/A Last EDR Contact: N/A Date Made Active in Reports: N/A

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

### **EDR RECOVERED GOVERNMENT ARCHIVES**

#### Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

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

Telephone: N/A

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013 Date Made Active in Reports: 01/17/2014

Number of Days to Update: 200

Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

Last EDR Contact: 06/01/2012

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

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

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

Number of Days to Update: 187

Source: Department of Environment & Natural Resources

Source: Department of Environment & Natural Resources

Telephone: N/A

Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

### 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.

NY MANIFEST: Facility and Manifest Data

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

Date of Government Version: 01/01/2019 Date Data Arrived at EDR: 05/01/2019 Date Made Active in Reports: 06/21/2019

Number of Days to Update: 51

Source: Department of Environmental Conservation

Telephone: 518-402-8651 Last EDR Contact: 07/29/2019

Next Scheduled EDR Contact: 11/11/2019 Data Release Frequency: Quarterly

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2017 Date Data Arrived at EDR: 02/23/2018 Date Made Active in Reports: 04/09/2018

Number of Days to Update: 45

Source: Department of Environmental Management

Telephone: 401-222-2797 Last EDR Contact: 08/16/2019

Next Scheduled EDR Contact: 12/02/2019 Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

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

Number of Days to Update: 76

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 09/06/2019

Next Scheduled EDR Contact: 12/23/2019 Data Release Frequency: Annually

Oil/Gas Pipelines

Source: PennWell Corporation

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

Electric Power Transmission Line Data

Source: PennWell Corporation

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

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

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

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

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

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

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

**Nursing Homes** 

Source: National Institutes of Health

Telephone: 301-594-6248

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

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary

and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

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

Daycare Centers: Child Care Facility List Source: Department of Social Services

Telephone: 605-773-4766

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

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

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

State Wetlands Data: Wetlands Inventory

Source: Bureau of Information & Telecommunications

Telephone: 605-773-4750

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

### STREET AND ADDRESS INFORMATION

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## **GEOCHECK®-PHYSICAL SETTING SOURCE ADDENDUM**

### **TARGET PROPERTY ADDRESS**

INTERSTATE OFFICE ADDITION 1200 33RD STREET SE WATERTOWN, SD 57201

## TARGET PROPERTY COORDINATES

Latitude (North): 44.88522 - 44° 53' 6.79" Longitude (West): 97.063529 - 97° 3' 48.70"

Universal Tranverse Mercator: Zone 14 UTM X (Meters): 652932.6 UTM Y (Meters): 4971807.0

Elevation: 1769 ft. above sea level

### **USGS TOPOGRAPHIC MAP**

Target Property Map: 5646897 WATERTOWN EAST, SD

Version Date: 2012

South Map: 5646899 WATERTOWN SE, SD

Version Date: 2012

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

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

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

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

### **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).

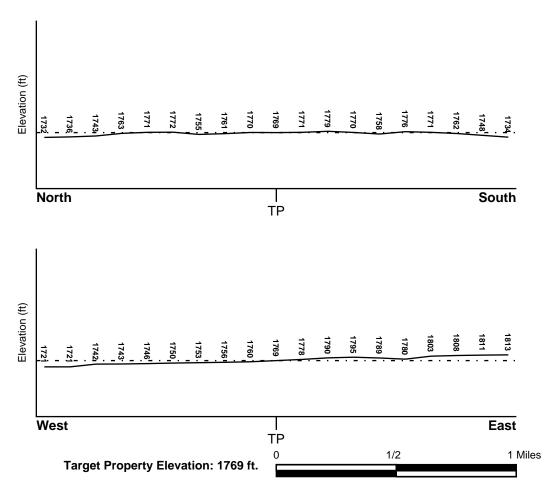
### **TOPOGRAPHIC INFORMATION**

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 NW

### SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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

### **HYDROLOGIC INFORMATION**

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

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

### **FEMA FLOOD ZONE**

Flood Plain Panel at Target Property FEMA Source Type

46029C0340D FEMA FIRM Flood data

Additional Panels in search area: FEMA Source Type

46029C0345DFEMA FIRM Flood data46029C0455DFEMA FIRM Flood data46029C0475DFEMA FIRM Flood data

**NATIONAL WETLAND INVENTORY** 

NWI Quad at Target Property Data Coverage

WATERTOWN EAST YES - refer to the Overview Map and Detail Map

#### HYDROGEOLOGIC INFORMATION

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

### **AQUIFLOW®**

Search Radius: 1.000 Mile.

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

LOCATION GENERAL DIRECTION
MAP ID FROM TP GROUNDWATER FLOW
Not Reported

### **GROUNDWATER FLOW VELOCITY INFORMATION**

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

### **GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY**

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

#### **ROCK STRATIGRAPHIC UNIT**

#### **GEOLOGIC AGE IDENTIFICATION**

Era: Mesozoic Category: Stratified Sequence

System: Cretaceous Series: Taylor Group

Code: uK3 (decoded above as Era, System & Series)

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

### 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. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: KRANZBURG

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. Soils have intermediate water holding capacity. Depth to

water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	9 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 2.00 Min: 0.60	Max: 7.30 Min: 5.60
2	9 inches	18 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 2.00 Min: 0.60	Max: 7.80 Min: 6.60
3	18 inches	25 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 2.00 Min: 0.60	Max: 8.40 Min: 6.60
4	25 inches	42 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.60 Min: 0.20	Max: 8.40 Min: 7.40
5	42 inches	60 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.60 Min: 0.20	Max: 9.00 Min: 7.40

### OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: silty clay loam

loam

Surficial Soil Types: silty clay loam

loam

Shallow Soil Types: loam

silt loam

Deeper Soil Types: loam

stratified

sand and gravel silty clay loam

## **LOCAL / REGIONAL WATER AGENCY RECORDS**

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

## WELL SEARCH DISTANCE INFORMATION

DATABASE SEARCH DISTANCE (miles)

Federal USGS 1.000

Federal FRDS PWS Nearest PWS within 1 mile

State Database 1.000

### FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
3	USGS40001119849	1/8 - 1/4 Mile NNW
B10	USGS40001119871	1/4 - 1/2 Mile NW
12	USGS40001119640	1/2 - 1 Mile SW
G40	USGS40001119863	1/2 - 1 Mile ENE
G41	USGS40001119864	1/2 - 1 Mile ENE
H42	USGS40001119726	1/2 - 1 Mile ESE
H62	USGS40001119712	1/2 - 1 Mile ESE
J63	USGS40001120185	1/2 - 1 Mile North
64	USGS40001119641	1/2 - 1 Mile WSW
J65	USGS40001120189	1/2 - 1 Mile North
69	USGS40001119753	1/2 - 1 Mile East
70	USGS40001119535	1/2 - 1 Mile SW
71	USGS40001119819	1/2 - 1 Mile West
72	USGS40001119450	1/2 - 1 Mile South
73	USGS40001119992	1/2 - 1 Mile ENE

### FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID WELL ID LOCATION FROM TP

No PWS System Found

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

### STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1 2 A4 A5 A6	SD20000000005379 SD20000000028820 SD2000000008740 SD2000000008746 SD2000000008745	1/8 - 1/4 Mile ENE 1/8 - 1/4 Mile North 1/4 - 1/2 Mile West 1/4 - 1/2 Mile West 1/4 - 1/2 Mile West
A7	SD2000000008741	1/4 - 1/2 Mile West

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

## STATE DATABASE WELL INFORMATION

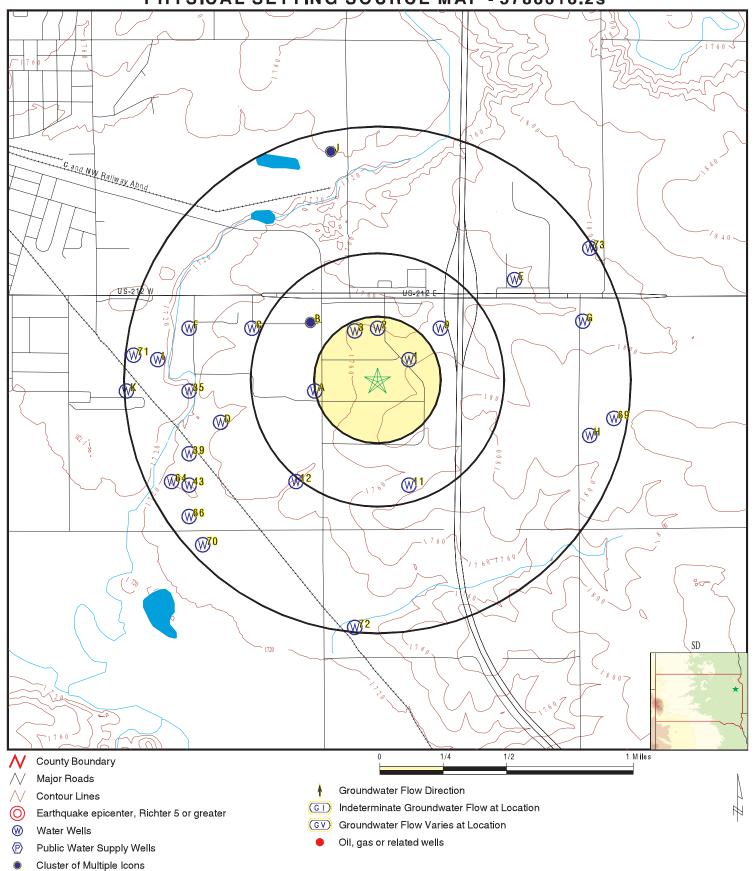
MAP ID	WELL ID	LOCATION FROM TP
B8	SD2000000005369	1/4 - 1/2 Mile NW
9	SD200000064334	1/4 - 1/2 Mile NE
11	SD200000005362	1/4 - 1/2 Mile SSE
C13	SD2000000054778	1/2 - 1 Mile WNW
C14	SD2000000034776 SD2000000016974	1/2 - 1 Mile WNW
D15	SD2000000016974 SD2000000006014	1/2 - 1 Mile WSW
D15	SD200000000014 SD20000000000013	1/2 - 1 Mile WSW
D16 D17	SD2000000000013 SD20000000006016	1/2 - 1 Mile WSW
		1/2 - 1 Mile WSW
D18 D19	SD200000006015	1/2 - 1 Mile WSW
	SD200000006010	
D20	SD200000005355	1/2 - 1 Mile WSW
D21	SD2000000006012	1/2 - 1 Mile WSW
D22	SD200000006011	1/2 - 1 Mile WSW
D23	SD200000006030	1/2 - 1 Mile WSW
D24	SD200000006029	1/2 - 1 Mile WSW
D25	SD200000009718	1/2 - 1 Mile WSW
D26	SD200000006031	1/2 - 1 Mile WSW
D27	SD200000006026	1/2 - 1 Mile WSW
D28	SD200000006017	1/2 - 1 Mile WSW
D29	SD200000006028	1/2 - 1 Mile WSW
D30	SD200000006027	1/2 - 1 Mile WSW
E31	SD200000057175	1/2 - 1 Mile NE
E32	SD200000057174	1/2 - 1 Mile NE
E33	SD200000057177	1/2 - 1 Mile NE
E34	SD200000057176	1/2 - 1 Mile NE
35	SD200000064644	1/2 - 1 Mile West
F36	SD2000000028829	1/2 - 1 Mile WNW
F37	SD200000005416	1/2 - 1 Mile WNW
F38	SD200000005408	1/2 - 1 Mile WNW
39	SD200000005999	1/2 - 1 Mile WSW
43	SD200000005399	1/2 - 1 Mile WSW
144	SD200000065530	1/2 - 1 Mile West
145	SD200000065529	1/2 - 1 Mile West
146	SD2000000065532	1/2 - 1 Mile West
147	SD2000000065531	1/2 - 1 Mile West
148	SD2000000065528	1/2 - 1 Mile West
149	SD2000000065525	1/2 - 1 Mile West
150	SD2000000005524	1/2 - 1 Mile West
I51	SD200000005527	1/2 - 1 Mile West
152	SD200000005527 SD2000000065526	1/2 - 1 Mile West
153	SD200000005520 SD2000000065533	1/2 - 1 Mile West
154	SD2000000003333 SD2000000065539	1/2 - 1 Mile West
	SD2000000065538	
155		1/2 - 1 Mile West
I56	SD200000065541	1/2 - 1 Mile West 1/2 - 1 Mile West
157	SD200000065540	
I58	SD200000065535	1/2 - 1 Mile West
159	SD200000065534	1/2 - 1 Mile West
160	SD2000000065537	1/2 - 1 Mile West
I61	SD2000000065536	1/2 - 1 Mile West
66	SD2000000028826	1/2 - 1 Mile SW
J67	SD2000000005530	1/2 - 1 Mile NNW
J68	SD200000005507	1/2 - 1 Mile NNW

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

## STATE DATABASE WELL INFORMATION

		LOCATION
MAP ID	WELL ID	FROM TP
K74	SD20000000049156	1/2 - 1 Mile West
K75	SD200000057857	1/2 - 1 Mile West
K76	SD200000049154	1/2 - 1 Mile West
K77	SD200000049155	1/2 - 1 Mile West
K78	SD200000057858	1/2 - 1 Mile West
K79	SD200000057861	1/2 - 1 Mile West
K80	SD200000057862	1/2 - 1 Mile West
K81	SD200000057859	1/2 - 1 Mile West
K82	SD200000057860	1/2 - 1 Mile West
K83	SD200000006048	1/2 - 1 Mile West
K84	SD200000015130	1/2 - 1 Mile West
K85	SD200000006043	1/2 - 1 Mile West
K86	SD200000006044	1/2 - 1 Mile West
K87	SD200000015131	1/2 - 1 Mile West
K88	SD200000015134	1/2 - 1 Mile West
K89	SD200000015135	1/2 - 1 Mile West
K90	SD200000015132	1/2 - 1 Mile West
K91	SD200000015133	1/2 - 1 Mile West
K92	SD200000006025	1/2 - 1 Mile West
K93	SD200000006032	1/2 - 1 Mile West
K94	SD200000006021	1/2 - 1 Mile West
K95	SD200000006022	1/2 - 1 Mile West
K96	SD200000006038	1/2 - 1 Mile West
K97	SD200000006041	1/2 - 1 Mile West
K98	SD200000006042	1/2 - 1 Mile West
K99	SD200000006039	1/2 - 1 Mile West
K100	SD200000006040	1/2 - 1 Mile West
K101	SD200000041681	1/2 - 1 Mile West
K102	SD200000041682	1/2 - 1 Mile West
K103	SD200000041679	1/2 - 1 Mile West
K104	SD200000041680	1/2 - 1 Mile West
K105	SD200000041683	1/2 - 1 Mile West
K106	SD200000041686	1/2 - 1 Mile West
K107	SD200000049153	1/2 - 1 Mile West
K108	SD200000041684	1/2 - 1 Mile West
K109	SD200000041685	1/2 - 1 Mile West
K110	SD200000041677	1/2 - 1 Mile West
K111	SD200000041678	1/2 - 1 Mile West
K112	SD200000020430	1/2 - 1 Mile West
K113	SD200000041676	1/2 - 1 Mile West

## PHYSICAL SETTING SOURCE MAP - 5788618.2s



SITE NAME: Interstate Office Addition ADDRESS: 1200 33rd Street SE

Watertown SD 57201 LAT/LONG: 44.88522 / 97.063529 CLIENT: Coteau Environmental CONTACT: Nathan Hunke

INQUIRY #: 5788618.2s

DATE: September 13, 2019 2:18 pm

Map ID Direction Distance

Elevation Database EDR ID Number

ENE 1/8 - 1/4 Mile SD WELLS SD200000005379

SD2000000028820

**SD WELLS** 

1/8 - 1/4 Mile Higher

Driller License #: 414 Driller: STADHEIM WELL DRILLING
Date Received: 19850109 Well Owner: ENERCEPT BUILDING SYSTEMS

Name:Not ReportedOn Reservation:Not ReportedWell Complete:19840605Well Type:IndustrialWell Depth:560Permit #:Not ReportedMonitor Well Name:Not Reported# of Wells:1

Log Name: 00045534.pdf Aquifer: Not Reported

Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00045534.pdf

North 1/8 - 1/4 Mile Lower

Lower

Lower

Driller License #: 4 Driller: BULLIS BROS. WELL DRILLING

Date Received:19990201Well Owner:REDLIN ART CENTERName:WATERTOWNOn Reservation:Not Reported

Name:WATERTOWNOn Reservation:Not ReportedWell Complete:19980217Well Type:Test HoleWell Depth:500Permit #:Not Reported

Monitor Well Name: Not Reported # of Wells: 1

Log Name: 00000279.pdf Aguifer: Not Reported

Static Water Level (ft): 0

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00000279.pdf

3 NNW FED USGS USGS40001119849 1/8 - 1/4 Mile

Organization ID: USGS-SD

Organization Name: USGS South Dakota Water Science Center

Monitor Location: Type: Well

Description: PERMIT:5046-3 ,USER:ENERGY INDUSTRIES,ID:504630

HUC: 10170202 Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Not Reported Contrib Drainage Area Unts: Not Reported Aquifer: Formation Type: Not Reported Aquifer Type: Not Reported Construction Date: Not Reported Well Depth: Not Reported Well Hole Depth: Well Depth Units: Not Reported Not Reported

Well Hole Depth Units: Not Reported

A4
West SD WELLS SD200000008740
1/4 - 1/2 Mile

Driller License #: 617 Driller: AMERICAN TECH. SERVICES, INC.

Date Received: 19971216 Well Owner: WILLIAMS PIPELINE COMPANY

Name:WILLIAMS PIPELINE COMPANYOn Reservation:Not ReportedWell Complete:19970708Well Type:Monitoring WellWell Depth:25Permit #:Not Reported

Monitor Well Name: OP-1 # of Wells: 1

Log Name: 00009756.pdf Aquifer: Not Reported

Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00009756.pdf

A5 West SD WELLS SD200000008746 1/4 - 1/2 Mile

1/4 - 1/2 Mile Lower

Driller License #: 617 Driller: AMERICAN TECH. SERVICES, INC.

Date Received: 19971216 Well Owner: WILLIAMS PIPELINE COMPANY

Name:WILLIAMS PIPELINE COMPANYOn Reservation:Not ReportedWell Complete:19970708Well Type:Monitoring WellWell Depth:28Permit #:Not Reported

Monitor Well Name: ASP-1 # of Wells: 1

Log Name: 00009756.pdf Aquifer: Not Reported

Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00009756.pdf

A6
West SD WELLS SD200000008745
1/4 - 1/2 Mile

Lower

Driller License #: 617 Driller: AMERICAN TECH. SERVICES, INC.

Date Received: 19971216 Well Owner: WILLIAMS PIPELINE COMPANY

Name: WILLIAMS PIPELINE COMPANY On Reservation: Not Reported Well Complete: 19970708 Well Type: Monitoring Well Well Depth: Permit #: 23 Not Reported ASP-2 Monitor Well Name: # of Wells: Log Name: 00009756.pdf Aquifer: Not Reported

Log Name: 00009756.pdf Aquiter: Not Reporte
Static Water Level (ft): 0

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00009756.pdf

A-7

West 1/4 - 1/2 Mile Lower

Driller License #: 617 Driller: AMERICAN TECH. SERVICES, INC.

Date Received: 19971216 Well Owner: WILLIAMS PIPELINE COMPANY

Name:WILLIAMS PIPELINE COMPANY<br/>Well Complete:On Reservation:<br/>Well Type:Not Reported<br/>Monitoring Well<br/>Permit #:Well Depth:15Permit #:Not Reported

Monitor Well Name: OP-2 - OP-6 # of Wells: 5

Log Name: 00009756.pdf Aquifer: Not Reported

Static Water Level (ft): 0

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00009756.pdf

**SD WELLS** 

SD2000000008741

Map ID Direction Distance

Elevation Database EDR ID Number

B8

NW SD WELLS 1/4 - 1/2 Mile

Lower

Driller License #: 4 Driller: BULLIS BROS. WELL DRILLING

Date Received: 19820504 Well Owner: PEPPER FARMS INC

Name:Not ReportedOn Reservation:Not ReportedWell Complete:19810617Well Type:Stock (Livestock)Well Depth:72Permit #:Not ReportedMonitor Well Name:Not Reported# of Wells:1

Log Name: Not Reported # of Wells. 1

Not Reported Aquifer: Not Reported Not Reported

Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00045527.pdf

9 NE SD WELLS SD200000064334 1/4 - 1/2 Mile

Lower

Driller License #: 689 Driller: KAISER WELL DRILLING
Date Received: 20090917 Well Owner: BENCHMARK FOAM, INC.

Name:DEVINEOn Reservation:Not ReportedWell Complete:20090831Well Type:PluggedWell Depth:482Permit #:Not Reported

Monitor Well Name: Not Reported # of Wells: 1

Log Name: 00066437.pdf Aguifer: Not Reported

Static Water Level (ft): 0

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images75k/00066437.pdf

1/4 - 1/2 Mile Lower

Organization ID: USGS-SD

Organization Name: USGS South Dakota Water Science Center Monitor Location: 116N52W 4ADAC Type: Well Description: Not Reported HUC: 10170202 Drainage Area: Not Reported **Drainage Area Units:** Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Not Reported Formation Type: Not Reported Aquifer: 19810617 Aquifer Type: Not Reported Construction Date:

Well Depth: 72 Well Depth Units: ft
Well Hole Depth Units: ft

Ground water levels, Number of Measurements: 1 Level reading date: 1981-06-17 Feet below surface: 30.00 Feet to sea level: Not Reported

Note: The site was being pumped.

SD200000005369

Map ID Direction Distance

Elevation Database EDR ID Number

SSE 1/4 - 1/2 Mile SD WELLS SD200000005362

Higher

Driller License #: 251 Driller: Not Reported 19761215 Well Owner: Not Reported Date Received: KRANZ On Reservation: Not Reported Name: Well Complete: 19760608 Well Type: Irrigation Well Depth: 40 Permit #: 668-3

Monitor Well Name: Not Reported # of Wells: 1

Log Name: 00015191.pdf Aquifer: Not Reported

Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00015191.pdf

12 SW FED USGS USGS40001119640

SW 1/2 - 1 Mile Lower

Organization ID: USGS-SD

Organization Name: USGS South Dakota Water Science Center Monitor Location: 116N52W 4DDAB Well Description: Not Reported HUC: 10170202 Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area Unts: Contrib Drainage Area: Not Reported Not Reported Not Reported Formation Type: Not Reported Aquifer: Aquifer Type: Not Reported Construction Date: 19850502 Well Depth: Well Depth Units: 51 ft Well Hole Depth: Well Hole Depth Units: ft 60

1/2 - 1 Mile Lower

Driller License #: 475 Driller: THEIN WELL COMPANY, INC.

Date Received: 20031024 Well Owner: MAGELLAN PIPELINE SERVICES LLC

Name:PIPELINE SERVICE LLCOn Reservation:Not ReportedWell Complete:20030825Well Type:PluggedWell Depth:15Permit #:Not Reported

Monitor Well Name: TH SB-1 # of Wells: 1

Log Name: 00056853.pdf Aquifer: Not Reported

Static Water Level (ft): 0

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00056853.pdf

WNW 1/2 - 1 Mile Lower

Driller License #: 653 Driller: PRAIRIE CONSULTING GROUP INC

Date Received: 20111123 Well Owner: BARCLAY COMPANIES

Name: STOWE On Reservation: Not Reported

Well Complete: 20110617 Well Type: Plugged Well Depth: 12 Permit #: Print #: Not Reported

Monitor Well Name: B-1 AND DB-2 # of Wells: 2

Log Name: 00067359.pdf Aquifer: Not Reported

Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images75k/00067359.pdf

D15
WSW SD WELLS SD2000000006014

1/2 - 1 Mile Lower

Driller License #: 533 Driller: BAY WEST, INC.

Date Received: 19870305 Well Owner: WILLIAMS PIPELINE COMPANY

Name:WILLIAMS PIPELINE COMPANYOn Reservation:Not ReportedWell Complete:19860918Well Type:Monitoring WellWell Depth:16Permit #:Not Reported

Monitor Well Name: MW-5,6 # of Wells: 2

Log Name: 00045557.pdf Aquifer: Not Reported

Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00045557.pdf

D16
WSW SD WELLS SD200000006013
1/2 - 1 Mile

Lower

Driller License #: 533 Driller: BAY WEST, INC.

Date Received: 19870305 Well Owner: WILLIAMS PIPELINE COMPANY

 Name:
 WILLIAMS PIPELINE COMPANY
 On Reservation:
 Not Reported

 Well Complete:
 19860917
 Well Type:
 Monitoring Well

 Well Depth:
 16
 Permit #:
 Not Reported

 Maniform Modified
 10
 # of Modified

Monitor Well Name: MW-3 # of Wells: 1

Log Name: 00045557.pdf Aquifer: Not Reported Static Water Level (ft): 0

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00045557.pdf

D17
WSW SD WELLS SD2000000006016

1/2 - 1 Mile Lower

Driller License #: 533 Driller: BAY WEST, INC.

Date Received: 19870305 Well Owner: WILLIAMS PIPELINE COMPANY

Name:WILLIAMS PIPELINE COMPANYOn Reservation:Not ReportedWell Complete:19861015Well Type:Monitoring WellWell Depth:16Permit #:Not Reported

Monitor Well Name: MW-22,23 # of Wells: 2

Log Name: 00045557.pdf Aquifer: Not Reported

Static Water Level (ft): 0

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00045557.pdf

Map ID Direction Distance

Elevation Database EDR ID Number

D18 WSW

SD WELLS SD2000000006015

SD200000006010

1/2 - 1 Mile Lower

Driller License #: 533 Driller: BAY WEST, INC.

Date Received: 19870305 Well Owner: WILLIAMS PIPELINE COMPANY

Name:WILLIAMS PIPELINE COMPANYOn Reservation:Not ReportedWell Complete:19860919Well Type:Monitoring WellWell Depth:16Permit #:Not Reported

Monitor Well Name: MW-11 - 15 # of Wells: 5

Log Name: 00045557.pdf Aquifer: Not Reported

Static Water Level (ft): 0

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00045557.pdf

\_\_\_\_

D19
WSW
SD WELLS

1/2 - 1 Mile Lower

Driller License #: 533 Driller: BAY WEST, INC.

Date Received: 19870305 Well Owner: WILLIAMS PIPELINE COMPANY

Name:WILLIAMS PIPELINE COMPANYOn Reservation:Not ReportedWell Complete:19860911Well Type:Monitoring WellWell Depth:16.5Permit #:Not Reported

Monitor Well Name: MW-4 # of Wells: 1

Log Name: 00045557.pdf Aguifer: Not Reported

Static Water Level (ft): 0

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00045557.pdf

D20
WSW SD WELLS SD2000000005355

1/2 - 1 Mile Lower

Lower

Driller License #: 386 Driller: IRRIGATION SUPPLY COMPANY

Date Received: 19781215 Well Owner: Not Reported Name: **KRANZ** On Reservation: Not Reported Well Complete: 19781030 Well Type: Domestic Well Depth: 24 Permit #: Not Reported

Monitor Well Name: Not Reported # of Wells: 1

Log Name: 00045522.pdf Aquifer: Not Reported

Static Water Level (ft): 0

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00045522.pdf

D21
WSW
1/2 - 1 Mile
SD WELLS SD2000000000012

Driller License #: 533 Driller: BAY WEST, INC.

Date Received: 19870305 Well Owner: WILLIAMS PIPELINE COMPANY

Name: WILLIAMS PIPELINE COMPANY On Reservation: Not Reported Well Complete: 19861210 Well Type: Monitoring Well

Well Depth: 20 Permit # Not Reported

Monitor Well Name: TW-3 - 5 # of Wells:

Log Name: 00045557.pdf Aquifer: Not Reported

Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00045557.pdf

**D22** WSW **SD WELLS** SD2000000006011 1/2 - 1 Mile

Lower

Driller License #: 533 Driller: BAY WEST, INC.

19870305 Well Owner: WILLIAMS PIPELINE COMPANY Date Received:

WILLIAMS PIPELINE COMPANY Name: On Reservation: Not Reported Well Complete: 19861119 Well Type: Monitoring Well Well Depth: Not Reported 20 Permit #:

Monitor Well Name: # of Wells: TW-1,2

Log Name: 00045557.pdf Aquifer: Not Reported

Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00045557.pdf

**D23 WSW SD WELLS** SD200000006030

1/2 - 1 Mile Lower

> Driller License #: 475 Driller: THEIN WELL COMPANY, INC. Date Received: 19881228 Well Owner: WILLIAMS PIPELINE COMPANY

WILLIAMS PIPELINE COMPANY Not Reported Name: On Reservation: Well Type: Monitoring Well Well Complete: 19881130 Well Depth: 14 Permit #: Not Reported

Monitor Well Name: MW-35 # of Wells:

Log Name: 00023895.pdf Aquifer: Not Reported

Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00023895.pdf

**D24** 

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

> Driller License #: 475 Driller: THEIN WELL COMPANY, INC. WILLIAMS PIPELINE COMPANY Date Received: 19881228 Well Owner:

WILLIAMS PIPELINE COMPANY Name: On Reservation: Not Reported 19881201 Well Complete: Well Type: Monitoring Well Well Depth: 17 Permit #: Not Reported

Monitor Well Name: MW-36 # of Wells:

00023895.pdf Not Reported Log Name: Aquifer:

Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00023895.pdf

**SD WELLS** 

SD200000006029

Map ID Direction Distance

Elevation Database EDR ID Number

D25
WSW SD WELLS SD200000009718

1/2 - 1 Mile Lower

Driller License #: 4 Driller: BULLIS BROS. WELL DRILLING

Date Received: 19980203

Well Owner: WATERTOWN WASTE WATER TREATMENT PLANT

Name:WATERTOWNOn Reservation:Not ReportedWell Complete:19971015Well Type:PluggedWell Depth:12Permit #:Not ReportedMonitor Well Name:MW-4# of Wells:1

Log Name: 00009784.pdf Aquifer: Not Reported

Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00009784.pdf

D26
WSW SD WELLS SD2000000006031

1/2 - 1 Mile Lower

Driller License #: 475 Driller: THEIN WELL COMPANY, INC.
Date Received: 19881228 Well Owner: WILLIAMS PIPELINE COMPANY

Name:WILLIAMS PIPELINE COMPANYOn Reservation:Not ReportedWell Complete:19881202Well Type:Monitoring WellWell Depth:25Permit #:Not Reported

Monitor Well Name: MW-38 # of Wells: 1

Log Name: 00023895.pdf Aquifer: Not Reported

Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00023895.pdf

D27
WSW SD WELLS SD2000000006026

1/2 - 1 Mile Lower

Driller License #: 475 Driller: THEIN WELL COMPANY, INC.
Date Received: 19881228 Well Owner: WILLIAMS PIPELINE COMPANY

Name:WILLIAMS PIPELINE COMPANYOn Reservation:Not ReportedWell Complete:19881109Well Type:Monitoring WellWell Depth:24Permit #:Not Reported

Monitor Well Name: MW-A4 # of Wells: 1

Log Name: 00023895.pdf Aquifer: Not Reported

Static Water Level (ft): 0

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00023895.pdf

D28
WSW SD WELLS SD2000000006017

D28
WSW
1/2 - 1 Mile
Lower

Driller License #: 533 Driller: BAY WEST, INC.

Date Received: 19870305 Well Owner: WILLIAMS PIPELINE COMPANY

Name: WILLIAMS PIPELINE COMPANY On Reservation: Not Reported

TC5788618.2s Page A-17

Well Complete: 19861210 Well Type: Monitoring Well Well Depth: 20 Permit #: Not Reported

Monitor Well Name: TW-6 - 8 # of Wells: 3

Log Name: 00045557.pdf Aquifer: Not Reported

Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00045557.pdf

D29
WSW SD WELLS SD2000000006028

1/2 - 1 Mile Lower

Driller License #: 475 Driller: THEIN WELL COMPANY, INC.
Date Received: 19881228 Well Owner: WILLIAMS PIPELINE COMPANY

Name:WILLIAMS PIPELINE COMPANYOn Reservation:Not ReportedWell Complete:19881201Well Type:Monitoring WellWell Depth:18Permit #:Not Reported

Monitor Well Name: MW-37 # of Wells: 1

Log Name: 00023895.pdf Aquifer: Not Reported

Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00023895.pdf

D30 WSW SD WELLS SD20000000000027

1/2 - 1 Mile Lower

Driller License #: 475 Driller: THEIN WELL COMPANY, INC.
Date Received: 19881228 Well Owner: WILLIAMS PIPELINE COMPANY

 Name:
 WILLIAMS PIPELINE COMPANY
 On Reservation:
 Not Reported

 Well Complete:
 19881105
 Well Type:
 Monitoring Well

 Well Depth:
 25
 Permit #:
 Not Reported

 Manifor Mall Name:
 4 of Wells:
 1

Monitor Well Name: MW-A5 # of Wells: 1

Log Name: 00023895.pdf Aquifer: Not Reported

Static Water Level (ft): 0
URL: 0
https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00023895.pdf

NE 1/2 - 1 Mile Higher

Driller License #: SCOTT ENGINEERING COMPANY

Date Received: 20050128 Well Owner: STONE'S TRUCK STOP

Name:Not ReportedOn Reservation:Not ReportedWell Complete:20041022Well Type:Monitoring WellWell Depth:18Permit #:Not Reported

Monitor Well Name: Not Reported # of Wells: 2

Log Name: 00058098.pdf Aquifer: Not Reported

Static Water Level (ft): 0

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00058098.pdf

Map ID Direction Distance

Elevation EDR ID Number Database

E32 NE

1/2 - 1 Mile Higher

> Driller License #: 613 Driller: SCOTT ENGINEERING COMPANY

**SD WELLS** 

SD200000057174

Well Owner: STONE'S TRUCK STOP 20050128 Date Received:

Not Reported On Reservation: Not Reported Name: 20041019 Well Complete: Well Type: Monitoring Well Well Depth: Permit #: Not Reported 18 Monitor Well Name: Not Reported # of Wells:

Log Name: 00058098.pdf Aquifer: Not Reported Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00058098.pdf

E33 **SD WELLS** SD200000057177 NE 1/2 - 1 Mile

Higher

613 Driller: SCOTT ENGINEERING COMPANY Driller License #:

Date Received: 20050128 Well Owner: STONE'S TRUCK STOP

Name: Not Reported On Reservation: Not Reported Well Type: Well Complete: 20041029 Monitoring Well Well Depth: 18 Permit #: Not Reported

Monitor Well Name: # of Wells: Not Reported

Log Name: 00058098.pdf Aquifer: Not Reported

Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00058098.pdf

E34 **SD WELLS** SD200000057176 NE 1/2 - 1 Mile

Higher

Lower

SCOTT ENGINEERING COMPANY Driller License #: Driller: 613

STONE'S TRUCK STOP Date Received: 20050128 Well Owner:

Name: Not Reported On Reservation: Not Reported Well Complete: 20041028 Well Type: Monitoring Well Well Depth: Permit #: Not Reported

Monitor Well Name: Not Reported # of Wells:

Aquifer: 00058098.pdf Log Name: Not Reported

Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00058098.pdf

West **SD WELLS** SD2000000064644 1/2 - 1 Mile

Driller License #: 725 Driller: HARV'S DRILLING, INC. Date Received: 20091216 Well Owner: K & L MECHANICAL On Reservation: Not Reported Name: Not Reported

Well Complete: 20091009 Well Type: Groundsource Heat Pump

Well Depth: 200 Permit #: Not Reported

Monitor Well Name: Not Reported # of Wells: 15

Log Name: 00066741.pdf Aquifer: Not Reported

Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images75k/00066741.pdf

F36 WNW **SD WELLS** SD2000000028829

1/2 - 1 Mile Lower

> Driller License #: Driller: **BULLIS BROS. WELL DRILLING** 4

19990201 Well Owner: WATERTOWN CONCRETE PRODUCTS CO Date Received:

Name: **ENDRES** On Reservation: Not Reported Well Complete: 19980326 Well Type: Industrial Well Depth: 5318-3 98 Permit #: Monitor Well Name: # of Wells: Not Reported

Log Name: 00000280.pdf Aquifer: Not Reported

Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00000280.pdf

F37 WNW **SD WELLS** SD200000005416 1/2 - 1 Mile

Lower

Driller License #: 414 Driller: STADHEIM WELL DRILLING Date Received: 19940202 Well Owner: QUAST TRANSFER INC.

Not Reported Not Reported Name: On Reservation: 19930617 Well Type: Industrial Well Complete: Well Depth: 57 Permit #: Not Reported

Monitor Well Name: Not Reported # of Wells:

00023887.pdf Log Name: Aquifer: Not Reported

Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00023887.pdf

F38 WNW **SD WELLS** SD200000005408

1/2 - 1 Mile Lower

> Driller License #: Driller: **BULLIS BROS. WELL DRILLING** 19890203 WATERTOWN CONCRETE PROD. CO Date Received: Well Owner:

Name: Not Reported On Reservation: Not Reported 19880623 Well Complete: Well Type: Industrial Well Depth: 60 Permit #: Not Reported

Monitor Well Name: Not Reported # of Wells:

00023885.pdf Log Name: Aquifer: Not Reported

Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00023885.pdf

Map ID Direction Distance

Elevation Database EDR ID Number

39 WSW 1/2 - 1 Mile

SD WELLS SD200000005999

USGS40001119864

1/2 - 1 Mile Lower

Driller License #: 530 Driller: TWIN CITY TESTING CORP.

Date Received: 19920130 Well Owner: WATERTOWN, CITY OF

Name:WATERTOWNOn Reservation:Not ReportedWell Complete:19911213Well Type:Monitoring WellWell Depth:13.5Permit #:Not ReportedMonitor Well Name:MW-19# of Wells:1

Log Name: 00023909.pdf Aquifer: Not Reported

Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00023909.pdf

G40
ENE FED USGS USGS40001119863
1/2 - 1 Mile
Higher

Organization ID: USGS-SD

Organization Name: USGS South Dakota Water Science Center Monitor Location: 116N52W 2BBCC Well Description: Not Reported HUC: 10170202 Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area Unts: Contrib Drainage Area: Not Reported Not Reported Not Reported Formation Type: Not Reported Aquifer: Aquifer Type: Not Reported Construction Date: 19700000

Well Depth: 85 Well Depth Units: ft

Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

G41

ENE 1/2 - 1 Mile Higher

Organization ID: USGS-SD

Organization Name: USGS South Dakota Water Science Center Monitor Location: 116N52W 2BBCC2 Well Type: Description: Not Reported HUC: 10170202 Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Aquifer: Not Reported Formation Type: Not Reported Aquifer Type: Not Reported Construction Date: Not Reported

Well Depth: 200 Well Depth Units: ft

Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

H42
ESE FED USGS USGS40001119726

1/2 - 1 Mile Higher

Organization ID: USGS-SD

Organization Name: USGS South Dakota Water Science Center

**FED USGS** 

116N52W 2CBBB Well Monitor Location: Type: Description: Not Reported HUC: 10170202 Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Aquifer: Not Reported Formation Type: Not Reported Aquifer Type: Not Reported Construction Date: Not Reported Well Depth: Not Reported Well Depth Units: Not Reported

Well Hole Depth: 1300 Well Hole Depth Units: ft

43 WSW SD WELLS SD2000000005399 1/2 - 1 Mile

Lower

Lower

Lower

Driller License #: STADHEIM WELL DRILLING

19860205 Date Received: Well Owner: Not Reported **KRANZ** Not Reported Name: On Reservation: Well Complete: 19850502 Well Type: Domestic Well Depth: Permit #: Not Reported 60

Monitor Well Name: Not Reported # of Wells: 1

Log Name: 00045547.pdf Aquifer: Not Reported

Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00045547.pdf

I44
West SD WELLS SD200000065530
1/2 - 1 Mile

Driller License #: 765 Driller: CASCADE DRILLING LP
Date Received: 20100726 Well Owner: MAGELLAN PIPELINE CO. L. P.

Name: Not Reported On Reservation: Not Reported 20100608 Well Complete: Well Type: Plugged Permit #: Well Depth: 20.5 Not Reported Monitor Well Name: MW-69 # of Wells: Log Name: 00002441.pdf Aquifer: Not Reported

Static Water Level (ft): 0

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00002441.pdf

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I45
West SD WELLS SD200000065529
1/2 - 1 Mile

Driller License #: 765 Driller: CASCADE DRILLING LP
Date Received: 20100726 Well Owner: MAGELLAN PIPELINE CO. L. P.

Name:Not ReportedOn Reservation:Not ReportedWell Complete:20100608Well Type:PluggedWell Depth:20Permit #:Not Reported

Monitor Well Name: MW-41, 61, 63, 89 # of Wells: 4

Log Name: 00002441.pdf Aquifer: Not Reported

Static Water Level (ft): 0

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00002441.pdf

Map ID Direction Distance

Elevation Database EDR ID Number

I46 West

SD WELLS SD200000065532

SD200000065531

SD2000000065525

**SD WELLS** 

1/2 - 1 Mile Lower

Driller License #: 765 Driller: CASCADE DRILLING LP
Date Received: 20100726 Well Owner: MAGELLAN PIPELINE CO. L. P.

Name: Not Reported On Reservation: Not Reported Well Complete: 20100608 Well Type: Plugged Well Depth: 22 Permit #: Not Reported

Monitor Well Name: MW-60, TW-1 # of Wells: 2

Log Name: 00002441.pdf Aquifer: Not Reported

Static Water Level (ft): 0

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00002441.pdf

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147

West 1/2 - 1 Mile Lower

Driller License #: 765 Driller: CASCADE DRILLING LP
Date Received: 20100726 Well Owner: MAGELLAN PIPELINE CO. L. P.

Name:Not ReportedOn Reservation:Not ReportedWell Complete:20100608Well Type:PluggedWell Depth:21Permit #:Not Reported

Monitor Well Name: TW-4 # of Wells: 1

Log Name: 00002441.pdf Aguifer: Not Reported

Static Water Level (ft): 0

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00002441.pdf

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 I48

 West
 SD WELLS
 SD2000000065528

1/2 - 1 Mile Lower

Driller License #: 765 Driller: CASCADE DRILLING LP
Date Received: 20100726 Well Owner: MAGELLAN PIPELINE CO. L. P.

Name:Not ReportedOn Reservation:Not ReportedWell Complete:20100608Well Type:PluggedWell Depth:19.5Permit #:Not Reported

Monitor Well Name: MW-57, 72, 81 # of Wells: 3

Log Name: 00002441.pdf Aquifer: Not Reported

Static Water Level (ft): 0

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00002441.pdf

I49 West 1/2 - 1 Mile Lower

Driller License #: 765 Driller: CASCADE DRILLING LP
Date Received: 20100726 Well Owner: MAGELLAN PIPELINE CO. L. P.

Name:Not ReportedOn Reservation:Not ReportedWell Complete:20100608Well Type:Plugged

TC5788618.2s Page A-23

**SD WELLS** 

Well Depth: 18 Permit #: Not Reported

Monitor Well Name: MW-27, 75, 76, 80, 83, 84 # of Wells: 6

Log Name: 00002441.pdf Aquifer: Not Reported

Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00002441.pdf

I50
West SD WELLS SD200000065524

1/2 - 1 Mile Lower

Driller License #: 765 Driller: CASCADE DRILLING LP
Date Received: 20100726 Well Owner: MAGELLAN PIPELINE CO. L. P.

Name:Not ReportedOn Reservation:Not ReportedWell Complete:20100608Well Type:PluggedWell Depth:15Permit #:Not Reported

Monitor Well Name: MW-99 # of Wells: 1

Log Name: 00002441.pdf Aquifer: Not Reported

Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00002441.pdf

I51
West SD WELLS SD200000065527
1/2 - 1 Mile

Lower

Driller License #: 765 Driller: CASCADE DRILLING LP
Date Received: 20100726 Well Owner: MAGELLAN PIPELINE CO. L. P.

Name:Not ReportedOn Reservation:Not ReportedWell Complete:20100608Well Type:PluggedWell Depth:18.5Permit #:Not Reported

Monitor Well Name: MW-62, 73, 78, 85 # of Wells: 4

Log Name: 00002441.pdf Aquifer: Not Reported

Static Water Level (ft): 0

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00002441.pdf

I52
West
1/2 - 1 Mile
SD WELLS
SD2000000065526

Lower

Driller License #: 765 Driller: CASCADE DRILLING LP
Date Received: 20100726 Well Owner: MAGELLAN PIPELINE CO. L. P.

Name:Not ReportedOn Reservation:Not ReportedWell Complete:20100608Well Type:PluggedWell Depth:17.5Permit #:Not Reported

Monitor Well Name: MW-70, 71 # of Wells: 2

Log Name: 00002441.pdf Aquifer: Not Reported

Static Water Level (ft): 0

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00002441.pdf

Map ID Direction Distance

Elevation Database EDR ID Number

153 West

**SD WELLS** SD2000000065533

SD200000065539

SD200000065541

**SD WELLS** 

1/2 - 1 Mile Lower

> Driller License #: 765 Driller: CASCADE DRILLING LP Well Owner: Date Received: 20100726 MAGELLAN PIPELINE CO. L. P.

Name: Not Reported On Reservation: Not Reported Well Complete: 20100608 Well Type: Plugged Well Depth: Permit #: Not Reported 24

Monitor Well Name: MW-33, 49, TW-2 # of Wells:

Log Name: 00002441.pdf Aquifer: Not Reported Static Water Level (ft):

URL:

https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00002441.pdf

154

West 1/2 - 1 Mile Lower

Lower

Driller License #: 765 Driller: CASCADE DRILLING LP

Date Received: 20100726 Well Owner: MAGELLAN PIPELINE CO. L. P.

Name: Not Reported On Reservation: Not Reported Well Type: Well Complete: 20100608 Plugged Well Depth: 15 Permit #: Not Reported

Monitor Well Name: # of Wells: MW-56

Log Name: 00002441.pdf Aquifer: Not Reported

Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00002441.pdf

155 **SD WELLS** SD200000065538 West 1/2 - 1 Mile

CASCADE DRILLING LP Driller License #: 765 Driller: MAGELLAN PIPELINE CO. L. P. Date Received: 20100726 Well Owner:

Name: Not Reported On Reservation: Not Reported Well Complete: 20100608 Well Type: Plugged Well Depth: 35 Permit #: Not Reported

Monitor Well Name: MW-95 # of Wells:

00002441.pdf Aquifer: Log Name: Not Reported

Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00002441.pdf

156 West 1/2 - 1 Mile Lower

Driller License #: 765 Driller: CASCADE DRILLING LP Date Received: 20100726 Well Owner: MAGELLAN PIPELINE CO. L. P.

Not Reported On Reservation: Not Reported Name: Well Complete: 20100608 Well Type: Plugged

**SD WELLS** 

Well Depth: 21 Permit #: Not Reported

Monitor Well Name: MW-45 # of Wells: 1

Log Name: 00002441.pdf Aquifer: Not Reported

Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00002441.pdf

I57
West SD WELLS SD200000065540

1/2 - 1 Mile Lower

Driller License #: 765 Driller: CASCADE DRILLING LP
Date Received: 20100726 Well Owner: MAGELLAN PIPELINE CO. L. P.

Name:Not ReportedOn Reservation:Not ReportedWell Complete:20100608Well Type:PluggedWell Depth:26Permit #:Not Reported

Monitor Well Name: MW-53 # of Wells: 1

Log Name: 00002441.pdf Aquifer: Not Reported

Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00002441.pdf

I58
West SD WELLS SD200000065535

1/2 - 1 Mile Lower

Driller License #: 765 Driller: CASCADE DRILLING LP
Date Received: 20100726 Well Owner: MAGELLAN PIPELINE CO. L. P.

Name: Not Reported On Reservation: Not Reported Well Complete: 20100608 Well Type: Plugged

Well Depth: 26 Permit #: Not Reported Monitor Well Name: MW-6 # of Wells: 1

Log Name: 00002441.pdf Aquifer: Not Reported

Static Water Level (ft): 0

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00002441.pdf

I59
West SD WELLS SD200000065534

West 1/2 - 1 Mile Lower

Driller License #: 765 Driller: CASCADE DRILLING LP

Date Received: 20100726 Well Owner: MAGELLAN PIPELINE CO. L. P.

Name:Not ReportedOn Reservation:Not ReportedWell Complete:20100608Well Type:PluggedWell Depth:25Permit #:Not Reported

Monitor Well Name: MW-34, 38, 100 # of Wells: 3

Log Name: 00002441.pdf Aquifer: Not Reported

Static Water Level (ft): 0

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00002441.pdf

Map ID Direction Distance

EDR ID Number Elevation Database

160 West 1/2 - 1 Mile

**SD WELLS** SD200000065537

Lower

Driller License #: 765 Driller: CASCADE DRILLING LP Well Owner: 20100726 MAGELLAN PIPELINE CO. L. P. Date Received:

Not Reported On Reservation: Not Reported Name: Well Complete: 20100608 Well Type: Plugged

Well Depth: Permit #: Not Reported 29 Monitor Well Name: MW-40, 96 # of Wells:

Log Name: 00002441.pdf Aquifer: Not Reported

Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00002441.pdf

161 West

**SD WELLS** SD200000065536

1/2 - 1 Mile Lower

> Driller License #: 765 Driller: CASCADE DRILLING LP Date Received: 20100726 Well Owner: MAGELLAN PIPELINE CO. L. P.

Name: Not Reported On Reservation: Not Reported Well Type: Well Complete: 20100608 Plugged Well Depth: 28 Permit #: Not Reported

Monitor Well Name: # of Wells: MW-39

00002441.pdf Aquifer: Not Reported Log Name:

Static Water Level (ft):

https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00002441.pdf URL:

H62

**ESE** 1/2 - 1 Mile Higher

> Organization ID: **USGS-SD**

Organization Name: USGS South Dakota Water Science Center Monitor Location: 116N52W 2CBBC Type: Well Description: Not Reported HUC: 10170202 Drainage Area: Not Reported Drainage Area Units: Not Reported

Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Lower Cretaceous aquifers Formation Type: Dakota Sandstone or Formation

Aquifer: Aquifer Type: Confined single aquifer Construction Date: 19520900

Well Depth: 1301 Well Depth Units:

Not Reported Well Hole Depth Units: Well Hole Depth: Not Reported

Ground water levels, Number of Measurements: Level reading date: 1985-05-17 48 Feet below surface: 165.67 Feet to sea level: Not Reported

Note: Not Reported

Level reading date: 1984-04-30 Feet below surface: 163.97 Feet to sea level: Not Reported Note: Not Reported

Level reading date: 1983-06-09 Feet below surface: 164.84 Feet to sea level: Not Reported Note: Not Reported

**FED USGS** 

USGS40001119712

Level reading date:	1982-10-19	Feet below surface:	164.83
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-03-31	Feet below surface:	165.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-07-29	Feet below surface:	163.84
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-08-09	Feet below surface:	163.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-06-20	Feet below surface:	162.87
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-03-20	Feet below surface:	162.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-11-16	Feet below surface:	162.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-07-22	Feet below surface:	162.61
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-08-05	Feet below surface:	162.19
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-06-06	Feet below surface:	161.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-10-24	Feet below surface:	162.19
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-06-06	Feet below surface:	160.33
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-10-13	Feet below surface:	160.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-07-30	Feet below surface:	160.23
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-05-07	Feet below surface:	159.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-05-14	Feet below surface:	159.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-08-02	Feet below surface:	159.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-04-07	Feet below surface:	158.56
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-04-21	Feet below surface:	158.46
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-04-27	Feet below surface:	157.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-04-09	Feet below surface:	157.44
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1962-07-26	Feet below surface:	157.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-01-15	Feet below surface:	155.26
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-12-05	Feet below surface:	155.36
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-11-07	Feet below surface:	155.33
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-10-03	Feet below surface:	155.24
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-08-30	Feet below surface:	155.19
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-08-01	Feet below surface:	155.31
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-07-03	Feet below surface:	155.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-06-02	Feet below surface:	155.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-05-01	Feet below surface:	154.93
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-04-02	Feet below surface:	154.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-03-01	Feet below surface:	155.01
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-02-08	Feet below surface:	155.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-01-02	Feet below surface:	155.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-11-21	Feet below surface:	155.11
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-10-24	Feet below surface:	155.21
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-09-21	Feet below surface:	155.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-08-23	Feet below surface:	155.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-07-17	Feet below surface:	154.99
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-06-13	Feet below surface:	154.63
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-05-16	Feet below surface:	154.58
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date: 1958-03-14 Feet below surface: 154.52 Feet to sea level: Not Reported Note: Not Reported

Test to sea level. Not reported Note.

Feet to sea level: Not Reported Note: Not Reported

Level reading date: 1957-02-09 Feet below surface: 155.76 Feet to sea level: Not Reported Note: Not Reported

J63
North
FED USGS USGS40001120185
1/2 - 1 Mile

Feet below surface:

154.60

Lower

Level reading date:

Organization ID: USGS-SD

Organization Name: USGS South Dakota Water Science Center Monitor Location: 117N52W33DAAB Well Type: Description: HUC: 10170202 Not Reported Drainage Area: Not Reported **Drainage Area Units:** Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported

Aquifer: Sand and gravel aquifers (glaciated regions)

1958-02-09

Formation Type: Big Sioux Aquifer Aquifer Type: Not Reported

Construction Date: 19810500 Well Depth: 28
Well Depth Units: ft Well Hole Depth: 28

Well Hole Depth Units: ft

Ground water levels, Number of Measurements: 1 Level reading date: 1981-05-01 Feet below surface: 16.00 Feet to sea level: Not Reported

Note: Not Reported

64 WSW FED USGS USGS40001119641

1/2 - 1 Mile Lower

Organization ID: USGS-SD

Organization Name: USGS South Dakota Water Science Center Monitor Location: 116N52W 4CDAB Type: Well HUC: Description: Not Reported 10170202 Drainage Area: Not Reported Not Reported Drainage Area Units: Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported

Aquifer: Sand and gravel aquifers (glaciated regions)

Formation Type: Big Sioux Aquifer Aquifer Type: Not Reported

Construction Date: 19781030 Well Depth: 24
Well Depth Units: ft Well Hole Depth: 24

Well Hole Depth Units: ft

Ground water levels, Number of Measurements: 1 Level reading date: 1978-10-30 Feet below surface: 10.00 Feet to sea level: Not Reported

Note: Not Reported

Map ID Direction Distance

Database EDR ID Number Elevation

J65 North 1/2 - 1 Mile

**FED USGS** USGS40001120189

Lower

Organization ID: **USGS-SD** 

Organization Name: USGS South Dakota Water Science Center Monitor Location: 117N52W33ADDD Well Type: 10170202 Description: Not Reported HUC: Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Aquifer: Not Reported Formation Type: Not Reported Construction Date: Aquifer Type: Not Reported 19880917 Well Depth: Well Depth Units: 78 ft

Well Hole Depth: 80 Well Hole Depth Units: ft

Ground water levels, Number of Measurements: Feet below surface:

1988-09-17 Level reading date: Feet to sea level: Not Reported

Note: Not Reported

1

1/2 - 1 Mile

**SD WELLS** SD200000028826

Lower

Lower

**BULLIS BROS. WELL DRILLING** Driller License #: Driller:

Date Received: 19990201 Well Owner: Not Reported Not Reported Name: ORTMEIER On Reservation: 19980916 Well Complete: Well Type: Domestic Well Depth: Permit #: 38.5 Not Reported

Monitor Well Name: Not Reported # of Wells: 1

Log Name: 00000281.pdf Aquifer: Not Reported

Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00000281.pdf

NNW **SD WELLS** SD200000005530 1/2 - 1 Mile

**BULLIS BROS. WELL DRILLING** Driller License #: Driller:

Date Received: 19890203 Well Owner: HAL-CRETE REDI MIX

Name: Not Reported On Reservation: Not Reported Well Complete: 19880917 Well Type: Industrial Well Depth: 80 Permit #: Not Reported

Monitor Well Name: Not Reported # of Wells:

Log Name: 00023981.pdf Aquifer: Not Reported

Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00023981.pdf

Map ID Direction Distance

Database EDR ID Number Elevation

NNW

**J68** 

Lower

1/2 - 1 Mile Lower

> Driller License #: 4 Driller: BULLIS BROS. WELL DRILLING

**SD WELLS** 

**FED USGS** 

SD200000005507

USGS40001119753

USGS40001119535

HALLET SAND & GRAVEL Date Received: 19820504 Well Owner: Name: Not Reported On Reservation: Not Reported

19810501 Well Complete: Well Type: **Domestic** Well Depth: 28 Permit #: Not Reported Monitor Well Name: Not Reported # of Wells:

Log Name: 00045613.pdf Aquifer: Not Reported

Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00045613.pdf

**East** 1/2 - 1 Mile Higher

Organization ID: **USGS-SD** 

Organization Name: USGS South Dakota Water Science Center Monitor Location: 116N52W 2CBAB Well Description: Not Reported HUC: 10170202 Drainage Area Units: Drainage Area: Not Reported Not Reported Contrib Drainage Area Unts: Contrib Drainage Area: Not Reported Not Reported Not Reported Formation Type: Not Reported Aquifer: Aquifer Type: Not Reported Construction Date: 19860615

Well Depth: Well Depth Units: 520 ft

Well Hole Depth: Well Hole Depth Units: Not Reported Not Reported

70 SW **FED USGS** 1/2 - 1 Mile

Organization ID: **USGS-SD** 

Organization Name: USGS South Dakota Water Science Center Monitor Location: 116N52W 9ABBB Well Type: Description: Not Reported HUC: 10170202 Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported

Aquifer: Sand and gravel aquifers (glaciated regions)

Formation Type: Big Sioux Aquifer Aquifer Type: Not Reported

Not Reported Well Depth: Construction Date: 35

Well Depth Units: Well Hole Depth: ft Not Reported

Well Hole Depth Units: Not Reported

Map ID Direction Distance

Elevation Database EDR ID Number

71 West 1/2 - 1 Mile

FED USGS USGS40001119819

1/2 - 1 Mile Lower

Organization ID: USGS-SD

Organization Name: USGS South Dakota Water Science Center

Monitor Location: Type: Well

Description: PERMIT:5318-3 ,USER:WATERTOWN CONCRETE P,ID:531830

HUC: 10170202 Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Aquifer: Not Reported Aquifer Type: Not Reported Formation Type: Not Reported Construction Date: Well Depth: Not Reported Not Reported Well Depth Units: Not Reported Well Hole Depth: Not Reported

Well Hole Depth Units: Not Reported

72 South FED USGS USGS40001119450 1/2 - 1 Mile

Lower

Organization ID: USGS-SD

Organization Name: USGS South Dakota Water Science Center

Monitor Location: Type: Well

Description: PERMIT:5415-3,USER:KRANZ INC,ID:541530

HUC: 10170202 Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported

Contrib Drainage Area Unts: Not Reported

Aquifer: Sand and gravel aquifers (glaciated regions)

Formation Type: Big Sioux Aquifer Aquifer Type: Not Reported Construction Date: Not Reported Well Depth: Not Reported Well Depth Units: Not Reported Well Hole Depth: Not Reported

Well Hole Depth Units: Not Reported

73 FED USGS USGS40001119992

1/2 - 1 Mile Higher

Organization ID: USGS-SD

Organization Name: USGS South Dakota Water Science Center Monitor Location: 117N52W34DDDC Type: Well Description: Not Reported HUC: 10170202 Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported

Aquifer: Sand and gravel aquifers (glaciated regions)

Formation Type: Altamont Aquifer Aquifer Type: Not Reported

Construction Date: 19400000 Well Depth: 465

Well Depth Units: ft Well Hole Depth: Not Reported

Well Hole Depth Units: Not Reported

Ground water levels, Number of Measurements: 1 Level reading date: 1983-07-01 Feet below surface: 57.00 Feet to sea level: Not Reported

Note: Not Reported

Map ID Direction Distance

EDR ID Number Elevation Database

K74 West 1/2 - 1 Mile

**SD WELLS** SD2000000049156

Lower

Driller License #: 648 Driller: LEGGETTE BRASHEARS & GRAHAM, INC.

20020130 Well Owner: WILLIAMS PIPELINE COMPANY Date Received:

WILLIAMS PIPELINE COMPANY On Reservation: Not Reported Name: Well Complete: 20010402 Well Type: Monitoring Well Well Depth: Permit #: Not Reported 18 Monitor Well Name: MW-80 - MW-86 # of Wells:

Log Name: 00055097.pdf Aquifer: Not Reported Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00055097.pdf

K75 **SD WELLS** SD200000057857

West 1/2 - 1 Mile Lower

Driller License #:

Date Received: 20050801 Well Owner: MAGELLAN PIPELINE CO., LLC

Driller:

Name: Not Reported On Reservation: Not Reported Well Type: Well Complete: 20050516 Plugged Well Depth: 19 Permit #: Not Reported

Monitor Well Name: MW-65 (SVE-65) # of Wells:

648

00059576.pdf Aquifer: Not Reported Log Name:

Static Water Level (ft):

https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00059576.pdf URL:

K76 **SD WELLS** SD2000000049154 West 1/2 - 1 Mile

LEGGETTE BRASHEARS & GRAHAM, INC. Driller License #: 648 Driller:

WILLIAMS PIPELINE COMPANY Date Received: Well Owner: 20020130

WILLIAMS PIPELINE COMPANY Name: On Reservation: Not Reported Well Complete: 20010330 Well Type: Monitoring Well Well Depth: Permit #: Not Reported

Monitor Well Name: MW-60 - MW-72 # of Wells: 13

00055097.pdf Log Name: Aquifer: Not Reported

Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00055097.pdf

**K77** West **SD WELLS** SD200000049155

1/2 - 1 Mile Lower

Lower

Driller License #: 648 Driller: LEGGETTE BRASHEARS & GRAHAM, INC.

Date Received: 20020130 Well Owner: WILLIAMS PIPELINE COMPANY

WILLIAMS PIPELINE COMPANY On Reservation: Not Reported Name: Well Type: Well Complete: 20010331 Monitoring Well

LEGGETTE BRASHEARS & GRAHAM, INC.

Well Depth: 18 Permit #: Not Reported

Monitor Well Name: MW-73 - MW-79 # of Wells: 7

Log Name: 00055097.pdf Aquifer: Not Reported

Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00055097.pdf

K78
West SD WELLS SD200000057858

1/2 - 1 Mile Lower

Driller License #: 648 Driller: LEGGETTE BRASHEARS & GRAHAM, INC.

Date Received: 20050801 Well Owner: MAGELLAN PIPELINE CO., LLC

Name:Not ReportedOn Reservation:Not ReportedWell Complete:20050516Well Type:PluggedWell Depth:19.5Permit #:Not Reported

Monitor Well Name: MW-66 (SVE-66) # of Wells: 1

Log Name: 00059576.pdf Aquifer: Not Reported

Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00059576.pdf

K79
West SD WELLS SD200000057861

1/2 - 1 Mile Lower

Driller License #: LEGGETTE BRASHEARS & GRAHAM, INC.

Date Received: 20050801 Well Owner: MAGELLAN PIPELINE CO., LLC

Name:Not ReportedOn Reservation:Not ReportedWell Complete:20050516Well Type:PluggedWell Depth:18Permit #:Not Reported

Monitor Well Name: MW-74 (SVE-74) # of Wells: 1

Log Name: 00059576.pdf Aquifer: Not Reported

Static Water Level (ft): 0

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00059576.pdf

K80
West SD WELLS SD200000057862

K80 West 1/2 - 1 Mile Lower

Driller License #: LEGGETTE BRASHEARS & GRAHAM, INC.

Date Received: 20050801 Well Owner: MAGELLAN PIPELINE CO., LLC

Name:Not ReportedOn Reservation:Not ReportedWell Complete:20050516Well Type:PluggedWell Depth:17.5Permit #:Not Reported

Monitor Well Name: MW-86 (SVE-86) # of Wells: 1

Log Name: 00059576.pdf Aquifer: Not Reported

Static Water Level (ft): 0

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00059576.pdf

Map ID Direction Distance

EDR ID Number Elevation Database

K81 West

1/2 - 1 Mile Lower

Driller License #:

LEGGETTE BRASHEARS & GRAHAM, INC.

Driller:

**SD WELLS** 

SD200000057859

Well Owner: 20050801 MAGELLAN PIPELINE CO., LLC Date Received:

Not Reported On Reservation: Not Reported Name: Well Complete: 20050516 Well Type: Plugged Well Depth: 19.5 Permit #: Not Reported

Monitor Well Name: MW-67 (SVE-67) # of Wells:

648

Log Name: 00059576.pdf Aquifer: Not Reported Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00059576.pdf

K82 **SD WELLS** SD200000057860 West

1/2 - 1 Mile Lower

Lower

Driller License #: 648 Driller: LEGGETTE BRASHEARS & GRAHAM, INC.

Date Received: 20050801 Well Owner: MAGELLAN PIPELINE CO., LLC

Name: Not Reported On Reservation: Not Reported Well Type: Well Complete: 20050516 Plugged Well Depth: 19.5 Permit #: Not Reported

Monitor Well Name: MW-68 (SVE-68) # of Wells:

00059576.pdf Aquifer: Not Reported Log Name:

Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00059576.pdf

**K83 SD WELLS** SD2000000006048 West 1/2 - 1 Mile

**BOART LONGYEAR COMPANY** Driller License #: 555 Driller: WILLIAMS PIPELINE COMPANY Date Received: Well Owner: 19940314

WILLIAMS PIPELINE COMPANY Name: On Reservation: Not Reported Well Complete: 19930727 Well Type: Monitoring Well Well Depth: 21 Permit #: Not Reported

Monitor Well Name: RW-12 # of Wells:

00023888.pdf Log Name: Aquifer: Not Reported

Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00023888.pdf

K84 West **SD WELLS** SD200000015130

1/2 - 1 Mile Lower

> Driller License #: Driller: BRAUN INTERTECH CORP. Date Received: 19980710 Well Owner: WILLIAMS PIPELINE COMPANY

WILLIAMS PIPELINE COMPANY On Reservation: Not Reported Name: Well Type: Well Complete: 19980311 Plugged

TC5788618.2s Page A-36

Well Depth: 13.5 Permit #: Not Reported

Monitor Well Name: OP-1 - 3 # of Wells: 3

Log Name: 00000235.pdf Aquifer: Not Reported

Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00000235.pdf

K85
West SD WELLS SD2000000006043

1/2 - 1 Mile Lower

Driller License #: 530 Driller: TWIN CITY TESTING CORP.

Date Received: 19930128 Well Owner: WILLIAMS PIPELINE COMPANY

Name:WILLIAMS PIPELINE COMPANYOn Reservation:Not ReportedWell Complete:19921029Well Type:Monitoring WellWell Depth:22.5Permit #:Not Reported

Monitor Well Name: MW-46 # of Wells: 1

Log Name: 00023890.pdf Aquifer: Not Reported

Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00023890.pdf

K86
West SD WELLS SD2000000006044

1/2 - 1 Mile Lower

Driller License #: 530 Driller: TWIN CITY TESTING CORP.

Date Received: 19930201 Well Owner: WILLIAMS PIPELINE COMPANY

Name:WILLIAMS PIPELINE COMPANYOn Reservation:Not ReportedWell Complete:19921028Well Type:Monitoring WellWell Depth:24Permit #:Not Reported

Monitor Well Name: MW-49 # of Wells: 1

Log Name: 00023890.pdf Aquifer: Not Reported

Static Water Level (ft): 0

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00023890.pdf

K87
West SD WELLS SD200000015131

West 1/2 - 1 Mile Lower

Driller License #: 663 Driller: BRAUN INTERTECH CORP.

Date Received: 19980710 Well Owner: WILLIAMS PIPELINE COMPANY

Name:WILLIAMS PIPELINE COMPANYOn Reservation:Not ReportedWell Complete:19980309Well Type:PluggedWell Depth:12Permit #:Not Reported

Monitor Well Name: OP-4 - 6 # of Wells: 3

Log Name: 00000235.pdf Aquifer: Not Reported

Static Water Level (ft): 0

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00000235.pdf

Map ID Direction Distance

EDR ID Number Elevation Database

K88 West

1/2 - 1 Mile

Lower

Driller:

Well Owner:

Well Type:

Permit #:

# of Wells:

Aquifer:

On Reservation:

Driller License #: Date Received: Name:

19980710 WILLIAMS PIPELINE COMPANY

00000235.pdf

663

Well Complete: 19980311 Well Depth: 14 Monitor Well Name: OBS-2, 3

Log Name:

URL:

Static Water Level (ft):

https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00000235.pdf

K89 West 1/2 - 1 Mile Lower

Driller License #: 663 Driller: BRAUN INTERTECH CORP.

Date Received: 19980710 Well Owner: WILLIAMS PIPELINE COMPANY WILLIAMS PIPELINE COMPANY Name: On Reservation: Not Reported Well Type: Well Complete: 19980311 Plugged Well Depth: 12 Permit #: Not Reported

Monitor Well Name: # of Wells: SVE-2

00000235.pdf Aquifer: Not Reported Log Name:

Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00000235.pdf

K90 West 1/2 - 1 Mile Lower

> Driller License #: 663 Driller: BRAUN INTERTECH CORP. WILLIAMS PIPELINE COMPANY Date Received: 19980710 Well Owner:

WILLIAMS PIPELINE COMPANY Name: On Reservation: Not Reported Well Complete: 19980309 Well Type: Plugged Well Depth: 18 Permit #: Not Reported

ASP-2 Monitor Well Name: # of Wells:

00000235.pdf Log Name: Aquifer: Not Reported

Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00000235.pdf

K91

West 1/2 - 1 Mile Lower

> Driller License #: Driller: BRAUN INTERTECH CORP. Date Received: 19980710 Well Owner: WILLIAMS PIPELINE COMPANY

WILLIAMS PIPELINE COMPANY On Reservation: Not Reported Name: Well Type: Well Complete: 19980311 Plugged

TC5788618.2s Page A-38

**SD WELLS** 

**SD WELLS** 

**SD WELLS** 

**SD WELLS** 

SD200000015134

BRAUN INTERTECH CORP.

Not Reported

Not Reported

Not Reported

Plugged

WILLIAMS PIPELINE COMPANY

SD200000015135

SD200000015132

SD200000015133

Well Depth: 22 Permit # Not Reported

Monitor Well Name: RW-1, 3 # of Wells:

Log Name: 00000235.pdf Aquifer: Not Reported

Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00000235.pdf

K92 **SD WELLS** SD2000000006025 West

1/2 - 1 Mile Lower

> Driller License #: 533 Driller: BAY WEST, INC.

19880104 Well Owner: WILLIAMS PIPELINE COMPANY Date Received:

WILLIAMS PIPELINE COMPANY Name: On Reservation: Not Reported Well Complete: 19870818 Well Type: Monitoring Well Well Depth: Not Reported 21.5 Permit #:

# of Wells: Monitor Well Name: MW-30

Log Name: 00023891.pdf Aquifer: Not Reported

Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00023891.pdf

K93 West **SD WELLS** SD200000006032

1/2 - 1 Mile Lower

> Driller License #: 475 Driller: THEIN WELL COMPANY, INC. Date Received: 19900208 Well Owner: WILLIAMS PIPELINE COMPANY

WILLIAMS PIPELINE COMPANY Not Reported Name: On Reservation: Well Type: Monitoring Well Well Complete: 19891213 Well Depth: 28 Permit #: Not Reported

Monitor Well Name: MW-39? # of Wells:

Log Name: 00023895.pdf Aquifer: Not Reported

Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00023895.pdf

K94

1/2 - 1 Mile Lower

West

Driller License #: 533 Driller: BAY WEST, INC.

WILLIAMS PIPELINE COMPANY Date Received: 19880104 Well Owner:

WILLIAMS PIPELINE COMPANY Name: On Reservation: Not Reported Well Complete: 19871117 Well Type: Plugged Well Depth: 35 Permit #: Not Reported

Monitor Well Name: MW-23 # of Wells:

00023894.pdf Aquifer: Log Name: Not Reported

Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00023894.pdf

**SD WELLS** 

SD2000000006021

Map ID Direction Distance

Elevation Database EDR ID Number

K95 West

1/2 - 1 Mile Lower

Driller License #: 533 Driller: BAY WEST, INC.

Date Received: 19880104 Well Owner: WILLIAMS PIPELINE COMPANY

**SD WELLS** 

SD2000000006022

 Name:
 WILLIAMS PIPELINE COMPANY
 On Reservation:
 Not Reported

 Well Complete:
 19870610
 Well Type:
 Monitoring Well

 Well Depth:
 18.5
 Permit #:
 Not Reported

 Well Type:
 Not Reported

Monitor Well Name: MW-26 - 28 # of Wells: 3

Log Name: 00023892.pdf Aquifer: Not Reported

Static Water Level (ft): 0

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00023892.pdf

K96
West SD WELLS SD2000000006038
1/2 - 1 Mile

Lower

Lower

Lower

Driller License #: 530 Driller: TWIN CITY TESTING CORP.

Date Received: 19930128 Well Owner: WILLIAMS PIPELINE COMPANY

Name:WILLIAMS PIPELINE COMPANYOn Reservation:Not ReportedWell Complete:19921026Well Type:Monitoring WellWell Depth:29Permit #:Not Reported

Monitor Well Name: MW-40 # of Wells: 1

Log Name: 00023890.pdf Aguifer: Not Reported

Static Water Level (ft): 0

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00023890.pdf

V07

K97
West SD WELLS SD2000000006041
1/2 - 1 Mile

Driller License #: 530 Driller: TWIN CITY TESTING CORP.

Date Received: 19930128 Well Owner: WILLIAMS PIPELINE COMPANY

Name:WILLIAMS PIPELINE COMPANYOn Reservation:Not ReportedWell Complete:19921029Well Type:Monitoring WellWell Depth:21Permit #:Not Reported

Monitor Well Name: MW-43 # of Wells: 1

Log Name: 00023890.pdf Aquifer: Not Reported

Static Water Level (ft): 0

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00023890.pdf

K98
West SD WELLS SD2000000006042
1/2 - 1 Mile

Driller License #: 530 Driller: TWIN CITY TESTING CORP.

Date Received: 19930128 Well Owner: WILLIAMS PIPELINE COMPANY

Name: WILLIAMS PIPELINE COMPANY On Reservation: Not Reported
Well Complete: 19921029 Well Type: Monitoring Well

Well Depth: Permit # Not Reported 21

Monitor Well Name: MW-45 # of Wells:

Log Name: 00023890.pdf Aquifer: Not Reported

Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00023890.pdf

K99 **SD WELLS** SD200000006039 West

1/2 - 1 Mile Lower

> Driller License #: 530 Driller: TWIN CITY TESTING CORP. 19930128 Well Owner: WILLIAMS PIPELINE COMPANY Date Received:

WILLIAMS PIPELINE COMPANY Name: On Reservation: Not Reported Well Complete: 19921027 Well Type: Monitoring Well Well Depth: Not Reported 20 Permit #:

Monitor Well Name: # of Wells: MW-41

Log Name: 00023890.pdf Aquifer: Not Reported

Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00023890.pdf

K100 West **SD WELLS** SD200000006040

1/2 - 1 Mile Lower

> Driller License #: 530 Driller: TWIN CITY TESTING CORP. Date Received: 19930128 Well Owner: WILLIAMS PIPELINE COMPANY

WILLIAMS PIPELINE COMPANY Not Reported Name: On Reservation: Well Type: Monitoring Well Well Complete: 19921028 Well Depth: 14.5 Permit #: Not Reported

Monitor Well Name: MW-42 # of Wells:

Log Name: 00023890.pdf Aquifer: Not Reported

Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00023890.pdf

K101

West 1/2 - 1 Mile Lower

> Driller License #: 648 Driller: LEGGETTE BRASHEARS & GRAHAM, INC.

WILLIAMS PIPELINE COMPANY Date Received: 20010131 Well Owner:

WILLIAMS PIPELINE COMPANY Name: On Reservation: Not Reported

Well Complete: 20000627 Well Type: Monitoring Well Well Depth: 17 Permit #: Not Reported

Monitor Well Name: RP-7 # of Wells:

00041860.pdf Not Reported Log Name: Aquifer:

Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images45k/00041860.pdf

**SD WELLS** 

SD200000041681

Map ID Direction Distance

Elevation Database EDR ID Number

K102 West

SD WELLS SD200000041682

1/2 - 1 Mile Lower

Driller License #: 648 Driller: LEGGETTE BRASHEARS & GRAHAM, INC.

Date Received: 20010131 Well Owner: WILLIAMS PIPELINE COMPANY

Name:WILLIAMS PIPELINE COMPANYOn Reservation:Not ReportedWell Complete:20000627Well Type:Monitoring WellWell Depth:15Permit #:Not ReportedMonitor Well Name:RP-9# of Wells:1

Log Name: 00041860.pdf Aquifer: Not Reported

Static Water Level (ft): 0

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images45k/00041860.pdf

K103
West SD WELLS SD200000041679

1/2 - 1 Mile Lower

Driller License #: 648 Driller: LEGGETTE BRASHEARS & GRAHAM, INC.

Date Received: 20010131 Well Owner: WILLIAMS PIPELINE COMPANY

Name:WILLIAMS PIPELINE COMPANYOn Reservation:Not ReportedWell Complete:20000623Well Type:Monitoring WellWell Depth:25Permit #:Not Reported

Monitor Well Name: RP-5 # of Wells: 1

Log Name: 00041860.pdf Aquifer: Not Reported

Static Water Level (ft): 0

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images45k/00041860.pdf

K104
West SD WELLS SD200000041680

1/2 - 1 Mile Lower

Driller License #: 648 Driller: LEGGETTE BRASHEARS & GRAHAM, INC.

Date Received: 20010131 Well Owner: WILLIAMS PIPELINE COMPANY

Name:WILLIAMS PIPELINE COMPANYOn Reservation:Not ReportedWell Complete:20000627Well Type:Monitoring WellWell Depth:16.5Permit #:Not Reported

Monitor Well Name: RP-6 # of Wells: 1

Log Name: 00041860.pdf Aquifer: Not Reported

Static Water Level (ft): 0

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images45k/00041860.pdf

K105

West 1/2 - 1 Mile Lower

Driller License #: 648 Driller: LEGGETTE BRASHEARS & GRAHAM, INC.

Date Received: 20010131 Well Owner: WILLIAMS PIPELINE COMPANY

Name:WILLIAMS PIPELINE COMPANY<br/>Well Complete:On Reservation:<br/>Well Type:Not Reported<br/>Monitoring Well

**SD WELLS** 

SD200000041683

Well Depth: 18 Permit #: Not Reported

Monitor Well Name: RP-10 # of Wells: 1

Log Name: 00041860.pdf Aquifer: Not Reported

Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images45k/00041860.pdf

K106
West SD WELLS SD200000041686

1/2 - 1 Mile Lower

Driller License #: 648 Driller: LEGGETTE BRASHEARS & GRAHAM, INC.

Date Received: 20010131 Well Owner: WILLIAMS PIPELINE COMPANY

Name:WILLIAMS PIPELINE COMPANYOn Reservation:Not ReportedWell Complete:20000628Well Type:Monitoring WellWell Depth:25Permit #:Not Reported

Monitor Well Name: RP-20, RP-21 # of Wells: 2

Log Name: 00041860.pdf Aquifer: Not Reported

Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images45k/00041860.pdf

K107
West SD WELLS SD200000049153
1/2 - 1 Mile

Lower

Driller License #: LEGGETTE BRASHEARS & GRAHAM, INC.

 Date Received:
 20020130
 Well Owner:
 WILLIAMS PIPELINE COMPANY

 Name:
 WILLIAMS PIPELINE COMPANY
 On Reservation:
 Not Reported

Name:WILLIAMS PIPELINE COMPANYOn Reservation:Not ReportedWell Complete:20010329Well Type:Monitoring WellWell Depth:18Permit #:Not Reported

Monitor Well Name: MW-57 - MW-59 # of Wells: 3

Log Name: 00055097.pdf Aquifer: Not Reported

Static Water Level (ft): 0

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00055097.pdf

K108
West SD WELLS SD200000041684

1/2 - 1 Mile Lower

Well Depth:

Driller License #: LEGGETTE BRASHEARS & GRAHAM, INC.

Permit #:

Date Received: 20010131 Well Owner: WILLIAMS PIPELINE COMPANY

Name:WILLIAMS PIPELINE COMPANYOn Reservation:Not ReportedWell Complete:20000627Well Type:Monitoring Well

Monitor Well Name: RP-8,RP-11 - RP-15 # of Wells: 6

Log Name: 00041860.pdf Aquifer: Not Reported

Static Water Level (ft): 0

20

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images45k/00041860.pdf

Not Reported

Map ID Direction Distance

EDR ID Number Elevation Database

K109 West

**SD WELLS** SD2000000041685

1/2 - 1 Mile Lower

> Driller License #: 648 Driller: LEGGETTE BRASHEARS & GRAHAM, INC.

20010131 WILLIAMS PIPELINE COMPANY Well Owner: Date Received:

WILLIAMS PIPELINE COMPANY On Reservation: Not Reported Name: Well Complete: 20000628 Well Type: Monitoring Well Well Depth: Permit #: Not Reported 20

Monitor Well Name: RP-16 - 19, 22 # of Wells:

Log Name: 00041860.pdf Aquifer: Not Reported

Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images45k/00041860.pdf

K110 West

**SD WELLS** SD200000041677 1/2 - 1 Mile Lower

648 Driller: LEGGETTE BRASHEARS & GRAHAM, INC. Driller License #: Date Received: 20010131 Well Owner: WILLIAMS PIPELINE COMPANY

WILLIAMS PIPELINE COMPANY Name: On Reservation: Not Reported

Well Type: Well Complete: Monitoring Well 20000622 Well Depth: 20 Permit #: Not Reported

Monitor Well Name: # of Wells: RP-2

00041860.pdf Aquifer: Not Reported Log Name:

Static Water Level (ft):

https://denr.sd.gov/wrimage/WellCompletionReports/images45k/00041860.pdf URL:

K111 West 1/2 - 1 Mile Lower

Driller License #:

Driller:

WILLIAMS PIPELINE COMPANY Date Received: Well Owner: 20010131

WILLIAMS PIPELINE COMPANY Name: On Reservation: Not Reported Well Complete: 20000622 Well Type: Monitoring Well

Well Depth: 17 Permit #: Not Reported RP-4 Monitor Well Name: # of Wells:

648

00041860.pdf Log Name: Aquifer: Not Reported

Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images45k/00041860.pdf

K112 West 1/2 - 1 Mile Lower

> Driller License #: 648 Driller: LEGGETTE BRASHEARS & GRAHAM, INC. Date Received: 20150112 Well Owner: MAGELLAN MIDSTRAM PARTNERS, LP

On Reservation: Not Reported Name: Not Reported Well Complete: 20141025 Well Type: Plugged

TC5788618.2s Page A-44

**SD WELLS** 

**SD WELLS** 

SD200000041678

SD200000020430

LEGGETTE BRASHEARS & GRAHAM, INC.

Well Depth: 17 Permit #: Not Reported

Monitor Well Name: IW-1 THRU IW-10 # of Wells: 10

Log Name: 00070895.pdf Aquifer: Not Reported

Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images75k/00070895.pdf

K113
West SD WELLS SD2000000041676
1/2 - 1 Mile

Lower

Driller License #: LEGGETTE BRASHEARS & GRAHAM, INC.

Date Received: 20010131 Well Owner: WILLIAMS PIPELINE COMPANY
Name: WILLIAMS PIPELINE COMPANY On Reservation: Not Reported

Name:WILLIAMS PIPELINE COMPANYOn Reservation:Not ReportedWell Complete:20000622Well Type:Monitoring WellWell Depth:17Permit #:Not Reported

Monitor Well Name: RP-1, 3 # of Wells: 1

Log Name: 00041860.pdf Aquifer: Not Reported

Static Water Level (ft):

URL: https://denr.sd.gov/wrimage/WellCompletionReports/images45k/00041860.pdf

# AREA RADON INFORMATION

State Database: SD Radon

Radon Test Results

City	Rm Used	Rm Level	Captured	Measured	Result
Watertown	Living Room	Basement	01/28/93	02/02/93	14
Watertown	Living Room	Basement	01/28/93	02/02/93	16.5
Watertown	Storage	Basement	10/18/90	10/20/90	17.4
Watertown	Living Room	Basement	10/23/91	10/25/91	5.9
Watertown	9	Basement	11/02/91	11/10/91	7.3
Watertown	Living Room		02/04/92	02/08/92	14.3
Watertown	East Bedroom	First Floor	02/04/92	02/08/92	15.6
Watertown		Basement	02/04/92	02/08/92	44
Watertown	Bath	Basement	11/05/92	11/09/92	6.7
Watertown	Crawl Space	Basement	11/11/92	11/17/92	9.8
Watertown	Bedroom	Basement	11/16/92	11/18/92	11.6
Watertown	Living Room	Basement	11/28/92	12/02/92	11.1
Watertown	g	Basement	12/07/92	12/09/92	17.6
Watertown	Living Room	Basement	12/14/92	12/17/92	7.5
Watertown	Meeting room	Basement	12/20/92	12/24/92	2.9
Watertown		Basement	01/03/93	01/06/93	3
Watertown		Basement	12/10/93	12/14/93	2.4
Watertown	Stairway	Basement	12/13/93	12/15/93	3.5
Watertown	School	First Floor	12/13/93	12/15/93	4
Watertown	Crawl Space	1 1100 1 1001	12/13/93	12/15/93	11.1
Watertown	Welby Classro	olFrinst Floor	12/13/93	12/18/93	1.9
Watertown	Office area	First Floor	12/13/93	12/18/93	4.1
Watertown	Omoo area	Basement	02/03/93	02/05/93	8
Watertown		Basement	02/03/93	02/05/93	11.9
Watertown	Laundry	Basement	02/04/93	02/06/93	4.2
Watertown	Laditary	Basement	02/04/93	02/06/93	5.2
Watertown	Bedroom	Basement	02/16/93	02/18/93	17.1
Watertown	Office	Basement	02/16/93	02/20/93	6.1
South Shore	Bath	Basement	02/28/93	03/04/93	2.1
South Shore	Cellar	Basement	03/10/93	03/17/93	8.2
Watertown	Bath	Basement	04/04/93	04/07/93	13.5
Watertown	Datii	Basement	04/09/93	04/13/93	27.5
Watertown	Storage	Basement	04/14/93	04/16/93	4.4
Watertown	Preschool	Basement	04/28/93	05/05/93	5.6
Watertown	Bath	Basement	05/27/93	06/04/93	12.3
Watertown	Bedroom	Basement	06/01/93	06/04/93	10.4
Watertown	Furnace Room		06/01/93	06/04/93	10.4
Watertown	Bedroom	Basement	06/03/93	06/05/93	1.7
Watertown	200.00	Basement	06/15/93	06/18/93	7.8
Watertown	Crawl Space	Basement	07/19/93	07/21/93	2
Watertown	Bedroom	Basement	09/03/93	09/08/93	6.7
Watertown	Depot Museum		09/10/93	09/14/93	10.2
Watertown	Crawl Space	Basement	10/08/93	10/13/93	1.1
Watertown	Bedroom	Basement	10/10/93	10/13/93	7.8
Watertown		First Floor	10/15/93	10/27/93	6.5
Watertown	Den	Basement	11/06/93	11/09/93	4.7
774101101111	20	_000110110	1 1/00/00	1 1/00/00	

# AREA RADON INFORMATION

Watertown	Work Room	Basement	11/06/93	11/09/93	5.4
Watertown	Exercise	Basement	11/10/93	11/13/93	4.1
Watertown	Bedroom	Basement	11/11/93	11/16/93	3.9
Watertown	Ironing Room	Basement	11/12/93	11/16/93	3.5
Watertown		Basement	11/16/93	11/19/93	6.6
Watertown	Living Room	First Floor	11/27/93	12/01/93	7.6
Florence	Coach Office	2nd Floor	02/21/94	02/24/94	0.1
Florence	Conference	First Floor	02/21/94	02/24/94	0.7
Florence	Office	2nd Floor	02/21/94	02/24/94	1.7
Florence	3rd Grade	First Floor	02/21/94	02/24/94	2.1
Florence	First Grade	First Floor	02/21/94	02/24/94	2.2
South Shore	Class open	Basement	12/17/93	12/22/93	0.3
South Shore	Class open	Basement	12/17/93	12/22/93	0.3
South Shore	Storage open	2 Basement	12/17/93	12/22/93	0.4
South Shore	Class open	First Floor	12/17/93	12/22/93	1.4
South Shore	Storage open	Basement	12/17/93	12/22/93	5.2
South Shore	Class open	Basement	12/17/93	12/22/93	6.4
Watertown	Boiler Room	Basement	01/03/94	01/11/94	0.3
Watertown	Cust Closet	First Floor	01/03/94	01/11/94	0.7
Watertown	Cust Closet	First Floor	01/03/94	01/11/94	0.7
Watertown	Gym	First Floor	01/03/94	01/11/94	1.2
Watertown	PE Office	First Floor	01/03/94	01/11/94	1.7
Watertown	Cust Closet	First Floor	01/03/94	01/11/94	1.8
Watertown	Work Room	First Floor	01/03/94	01/11/94	1.8
Watertown	Meat Room	First Floor	01/03/94	01/11/94	2.2
Watertown	Boiler Room	First Floor	01/03/94	01/11/94	2.4
Watertown	Learning Cente		01/03/94	01/11/94	2.4
Watertown	Library	First Floor	01/03/94	01/11/94	2.5
Watertown	Boiler room	Basement	01/03/94	01/11/94	2.6
		First Floor			2.7
Watertown	Boy RR	First Floor	01/03/94	01/11/94	2.7
Watertown	Storeroom		01/03/94	01/11/94	2.8
Watertown	Library	Basement	01/03/94	01/11/94	-
Watertown	Shop RR	First Floor	01/03/94	01/11/94	3
Watertown	Library	First Floor	01/03/94	01/11/94	3.1
Watertown	Music	Basement	01/03/94	01/11/94	3.2
Watertown	Cust Closet	First Floor	01/03/94	01/11/94	3.2
Watertown	Storage	First Floor	01/03/94	01/11/94	3.4
Watertown	Music	Basement	01/03/94	01/11/94	3.7
Watertown	Library	Basement	01/03/94	01/11/94	3.8
Watertown	Cust Closet	First Floor	01/03/94	01/11/94	4
Watertown	Work Room	Basement	01/03/94	01/11/94	4
Watertown	Library	Basement	01/03/94	01/11/94	4.9
Watertown	Music	Basement	01/03/94	01/11/94	6.6
Watertown	Warehouse	First Floor	01/03/94	01/11/94	6.7
Watertown	Warehouse	First Floor	01/03/94	01/11/94	7.9
Watertown	Bedroom	Basement	01/12/94	01/14/94	5.6
Watertown	Office	First Floor	01/14/94	01/19/94	3.9
Watertown	,	Basement	01/14/94	01/19/94	44.6
Waverly	Scholl Hall	Basement	01/28/94	02/02/94	0.5
Waverly	Gym	First Floor	01/28/94	02/02/94	0.7
Waverly	Study Hall	Basement	01/28/94	02/02/94	3.5
Waverly	Library	First Floor	01/28/94	02/02/94	3.8
Waverly	Gym	First Floor	01/28/94	02/02/94	4.4
Kranzburg	# 103	Ground Level	02/04/94	02/08/94	0.1
Kranzburg	# 101	Ground Floor	02/04/94	02/08/94	0.1
Kranzburg	# 103-Dup	Ground Floor	02/04/94	02/08/94	0.1

# AREA RADON INFORMATION

Watertown		Basement	02/04/94	02/09/94	5.7
Watertown		Basement	02/21/95	02/27/95	7.7
Watertown	Bedroom	Basement	02/21/95	02/27/95	8.4
Watertown	Exhibit area	Basement	03/23/95	03/30/95	1.4
Watertown	Storage	Basement	05/26/95	06/01/95	3.8
Watertown		Basement	05/27/95	05/31/95	3.2
Watertown	Bedroom	Basement	06/02/95	06/07/95	3.8
Watertown	No Rooms	Basement	06/27/95	06/30/95	4.5
Watertown	Bedroom	Basement	07/17/95	07/19/95	2.4
Watertown	Bedroom	Basement	04/24/96	04/26/96	3.5
Watertown	Bedroom	First Floor	07/29/96	08/01/96	8.0
Watertown	JV Area	Basement	07/29/96	08/01/96	5.4
Watertown	Living Room	Basement	07/29/96	08/01/96	10.4
Watertown	Library	Basement	01/28/97	01/30/97	5.1
Watertown	Music room	Basement	01/28/97	01/30/97	5.6
Watertown	Storeroom	Basement	01/28/97	01/30/97	6.5
Watertown	Tunnel		01/28/97	01/30/97	17.1
Watertown	Living Room	Basement	06/11/97	06/14/97	0.5
Watertown	Bedroom	Basement	06/11/97	06/14/97	0.6
Watertown	Mechanical	Basement	03/30/98	04/01/98	1.6
Watertown	Library	Basement	03/30/98	04/01/98	2.3
Watertown	Music class	Basement	03/30/98	04/01/98	6.6
Watertown	#217	Basement	06/29/98	07/01/98	2.9
Watertown	#217	Basement	06/29/98	07/01/98	5.6
Watertown	#213	Basement	06/29/98	07/01/98	8.5
Watertown	#209	Basement	06/29/98	07/01/98	11.8
		Basement			_
Watertown Watertown	#203 #215	Basement	06/29/98 06/29/98	07/01/98 07/01/98	13.9 19.2
	_				
Watertown	#205	Basement	06/29/98	07/01/98	23
Watertown	#201	Basement	06/29/98	07/01/98	23.8
Watertown	Bedroom	Basement	03/14/94	03/16/94	33
Henry	3rd-4th room	First Floor	03/31/94	04/01/94	1
Henry	5th-6th room	First Floor	03/31/94	04/01/94	1
Henry	School	First Floor	03/31/94	04/01/94	1
Henry	School	First Floor	03/31/94	04/01/94	1.3
Henry	Gymnasium	Basement	03/31/94	04/01/94	1.6
Henry	Lunch Room	Basement	03/31/94	04/01/94	1.8
Henry	Kitchen	Basement	03/31/94	04/01/94	1.9
Henry	Kitchen	Basement	03/31/94	04/01/94	1.9
Henry	Spanish Room		03/31/94	04/01/94	2.3
Henry	Spanish Room		03/31/94	04/01/94	2.3
Watertown	Bedroom	First Floor	03/31/94	04/01/94	10.1
Watertown	Bedroom	Basement	03/31/94	04/01/94	35.1
Watertown	Bath	Basement	03/31/94	04/01/94	35.8
Watertown	Furnace Room		03/31/94	04/01/94	36.9
Watertown	Family Room	Basement	03/31/94	04/01/94	38
Watertown	Class #207	First Floor	04/04/94	04/09/94	0.5
Watertown	Desil #603	First Floor	04/04/94	04/09/94	0.5
Watertown	Elec Lab	First Floor	04/04/94	04/09/94	0.6
Watertown	B Trades Up	First Floor	04/04/94	04/09/94	0.6
Watertown	Class #313	First Floor	04/04/94	04/09/94	8.0
Watertown	Class #309	First Floor	04/04/94	04/09/94	8.0
Watertown	Class #605		04/04/94	04/09/94	0.9
Watertown	#135		04/04/94	04/09/94	0.9
Watertown	Gerry/Office		04/04/94	04/09/94	1
Watertown	Build trades	Basement	04/04/94	04/09/94	1

# AREA RADON INFORMATION

Watertown	Office	Ground Level	04/14/94	04/20/94	2.3
Watertown	Classroom	2nd Floor	04/15/94	04/20/94	0.1
Watertown	Classroom	First Floor	04/15/94	04/20/94	1.1
Watertown	Bath	Basement	09/20/94	09/23/94	3.4
Watertown	Bedroom	Upstairs	02/21/95	02/27/95	3.9
Watertown		Basement	08/13/99	08/19/99	1.3
Watertown	Bath	Basement	08/23/99	08/27/99	3.2
Watertown	Bedroom	Basement	02/09/00	02/12/00	12.8
Watertown	Bath	Basement	05/09/04	05/12/04	20
Watertown	Preschool	First Floor	04/07/07	04/20/07	0.6
Watertown	4th grade	First Floor	04/17/07	04/20/07	0.3
Watertown	Office	First Floor	04/17/07	04/20/07	0.4
Watertown	1st grade	1st Floor	04/17/07	04/20/07	0.4
Watertown	Gym Storage	First Floor	04/17/07	04/20/07	0.5
Watertown	Gate Room	First Floor	04/17/07	04/20/07	0.5
Watertown	Gym Office	First Floor	04/17/07	04/20/07	0.6
Watertown	3rd Floor	First Floor	04/17/07	04/20/07	0.6
Watertown	Library Str.	First Floor	04/17/07	04/20/07	0.9
Watertown	Learn Center	First Floor	04/17/07	04/20/07	1.1
Watertown	Office		04/17/07	04/20/07	1.3
Watertown	Library	First Floor	04/17/07	04/20/07	1.4
Watertown	Aud. Shop RM	Basement	04/17/07	04/20/07	1.4
Watertown	Learn Center	First Floor	04/17/07	04/20/07	1.6
Watertown	South tunnel	Basement	04/17/07	04/20/07	1.7
Watertown	North tunnel	Basement	04/17/07	04/20/07	2.1
Watertown	Off tunnel	Basement	04/17/07	04/20/07	2.4
Watertown	English room	1st floor	04/17/07	04/20/07	1.6

Federal EPA Radon Zone for CODINGTON 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.

Not Reported

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

#### **TOPOGRAPHIC INFORMATION**

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

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

#### HYDROLOGIC INFORMATION

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

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

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

State Wetlands Data: Wetlands Inventory

Source: Bureau of Information & Telecommunications

Telephone: 605-773-4750

#### HYDROGEOLOGIC INFORMATION

AQUIFLOW<sup>R</sup> Information System

Source: EDR proprietary database of groundwater flow information

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

#### **GEOLOGIC INFORMATION**

Geologic Age and Rock Stratigraphic Unit

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

STATSGO: State Soil Geographic Database

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

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

SSURGO: Soil Survey Geographic Database

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

Telephone: 800-672-5559

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

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

#### LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

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

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

#### STATE RECORDS

South Dakota Public Water Systems

Source: Department of Environmental and Natural Resources

Telephone: 605-773-3153

#### OTHER STATE DATABASE INFORMATION

Oil and Gas Wells Listing

Source: Department of Environment and Natural Resources

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

#### **RADON**

State Database: SD Radon

Source: Department of Environment & Natural Resources

Telephone: 605-773-3151 Radon Test Results

Area Radon Information Source: USGS

Telephone: 703-356-4020

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

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

private sources such as universities and research institutions.

EPA Radon Zones Source: EPA

Telephone: 703-356-4020

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

radon levels.

#### OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

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

in 1975 by the United State Geological Survey

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

#### STREET AND ADDRESS INFORMATION

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RECEIVED

AUG 0 9 2019

U.S. FISH & WILDUFF SERVICE



August 7, 2019

Field Supervisor SD Ecological Services Field Office 420 South Garfield Avenue, Suite 400 Pierre, SD 57501-5408 This constitutes a report of the Department of the Interior prepared in accordance with the Fish and Wildlife Coordination Act (16 U.S.C. 661 et seq.). We have reviewed and have NO OBJECTION to this proposed project.

0/26/1° Date

Field Supervisor

RE: Interstate Office Addition - South Dakota Certified Site Recertification

Dear Field Supervisor:

The Watertown Development Company has contracted with Infrastructure Design Group, Inc. to prepare documents to aid in the recertification of their certified sites. As part of the application we need to identify endangered residing within or frequenting the subject property. The Interstate Office development is located in the SW quadrant of the interchange of Highway 212 and Interstate 29.

In preparation of final design elements and due to the project proximity to the Big Sioux River, we are requesting input and/or documentation from the SD Ecological Services Field Office and other various agencies indicating any special issues or the lack thereof with respect to this project. Please review the limits of the project, as detailed on the information attached and provide the required documentation as previously noted.

If you have any questions regarding the project or the necessary documents, please feel free to contact me at <a href="mailto:erich@infrastructuredg.com">erich@infrastructuredg.com</a> or by phone at 605-695-0621.

Sincerely,

Eric R Hanson, P.E. Project Engineer

Cc: Michelle Kakacek, Watertown Development Company

Enclosure

















# Interstate\_Office\_Addition

National Wetlands Inventory

U.S. Fish and Wildlife Service



This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory (NWI) This page was produced by the NWI mapper

August 7, 2019

Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Forested/Shrub Wetland

Freshwater Emergent Wetland

Freshwater Pond

Other Lake

Riverine

# National Flood Hazard Layer FIRMette

T116N R52W S3

250

500

46029 C0340D

eff. 1/16/2009

1,000



#### Legend SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT Without Base Flood Elevation (BFE) With BFE or Depth Zone AE, AO, AH, VE, AR SPECIAL FLOOD **HAZARD AREAS** Regulatory Floodway 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X **Future Conditions 1% Annual** Chance Flood Hazard Zone X Area with Reduced Flood Risk due to Levee. See Notes. Zone X OTHER AREAS OF FLOOD HAZARD Area with Flood Risk due to Levee Zone D NO SCREEN Area of Minimal Flood Hazard Zone X Effective LOMRs OTHER AREAS Area of Undetermined Flood Hazard Zone D **GENERAL** - -- - Channel, Culvert, or Storm Sewer STRUCTURES | IIIIII Levee, Dike, or Floodwall CITY OF WATERTOWN 20.2 Cross Sections with 1% Annual Chance 460016 Water Surface Elevation AREA OF MINIMAL FLOOD HAZARD **Coastal Transect** Base Flood Elevation Line (BFE) Limit of Study Jurisdiction Boundary **Coastal Transect Baseline** OTHER **Profile Baseline FEATURES** Hydrographic Feature Digital Data Available No Digital Data Available MAP PANELS Unmapped The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location. This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 8/7/2019 at 4:51:29 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time. This map image is void if the one or more of the following map

elements do not appear: basemap imagery, flood zone labels,

legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for

unmapped and unmodernized areas cannot be used for

regulatory purposes.

1,500 2.3.4 – 100-Year Flood Plain Attachment 2.3.D

1:6,000

USGS The National Map: Orthoimagery. Data refreshed April, 2019.

250

500

1,000

1,500

# National Flood Hazard Layer FIRMette



Legend SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT Without Base Flood Elevation (BFE) With BFE or Depth Zone AE, AO, AH, VE, AR SPECIAL FLOOD **HAZARD AREAS** Regulatory Floodway 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X **Future Conditions 1% Annual** Chance Flood Hazard Zone X Area with Reduced Flood Risk due to Levee. See Notes. Zone X OTHER AREAS OF FLOOD HAZARD Area with Flood Risk due to Levee Zone D NO SCREEN Area of Minimal Flood Hazard Zone X Effective LOMRs OTHER AREAS Area of Undetermined Flood Hazard Zone D **GENERAL** - -- - Channel, Culvert, or Storm Sewer STRUCTURES | IIIIII Levee, Dike, or Floodwall Cross Sections with 1% Annual Chance Water Surface Elevation **Coastal Transect** Base Flood Elevation Line (BFE) Limit of Study Jurisdiction Boundary **Coastal Transect Baseline** OTHER **Profile Baseline FEATURES** Hydrographic Feature

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

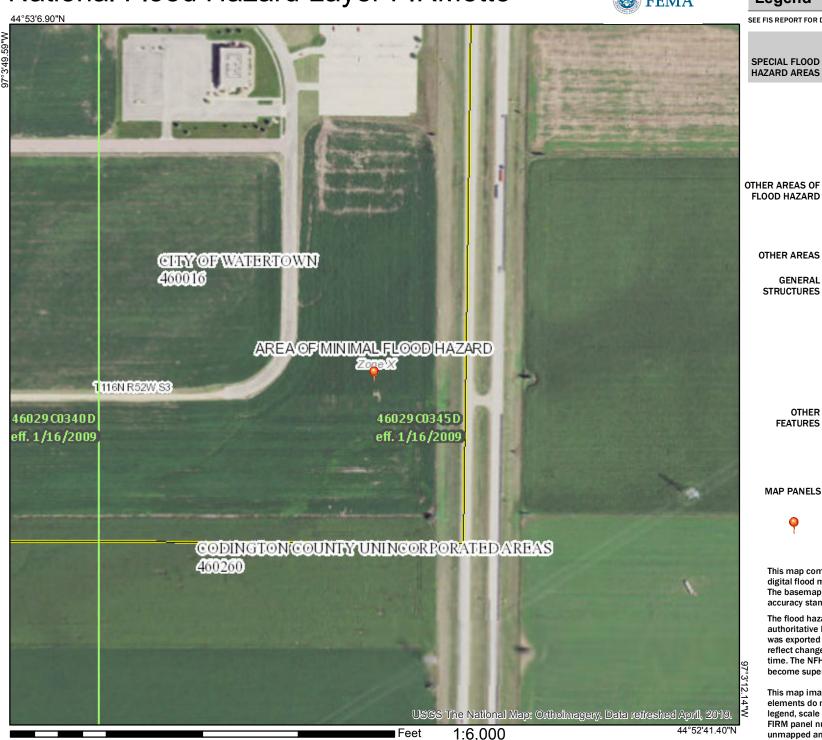
Digital Data Available No Digital Data Available

Unmapped

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 8/7/2019 at 5:03:53 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



2,000

#### ARCHEOLOGY LABORATORY AUGUSTANA UNIVERSITY

Dr. L. Adrien Hannus Principal Archeologists/Director Adrien.hannus@augie.edu 2032 SOUTH GRANGE AVENUE SIOUX FALLS, SOUTH DAKOTA 57105 PHONE 605-274-5493 · 605-274-5494 · 605-274-5499



October 20, 2017

Michelle Kakacek
Director of Business Development and Interim Executive Director
Watertown Development Company
1 East Kemp, P.O. Box 332
Watertown, SD 57201
Ph: 605-884-0340
michelle@watertownworks.com
www.watertownworks.com

RE: A Letter Report Addressing the Results of a Level III Archeological Evaluation of Watertown Development Company's Proposed Mallard Pointe Business Park Project in Section 3, T116N, R52W; Codington County, South Dakota

Dear Michelle,

A Level III cultural resources evaluation was conducted for the proposed Mallard Pointe Industrial Park development project in Watertown, Codington County, South Dakota. The archeological survey was conducted on behalf of Watertown Development Company, Watertown, South Dakota for the purpose of SD Certified Ready Site recertification. The project is located in the Upper Big Sioux Archeological Region in the W1/2 of Section 3, T116N, R52W (Figures 1 and 2).

The project area totals ca. 96.27 acres. A Level III cultural resources survey (100 percent intensive pedestrian survey) was conducted of ca. 38.84 acres. Approximately 57.43 acres of the four project tracts have been previously surveyed (Miller 2008; Figures 1 and 2). The current survey was undertaken on October 17, 2017 by Edward J. Lueck of the Archeology Laboratory, Augustana University, Sioux Falls, South Dakota.

Terri Bruce conducted a files search on October 13, 2017 at the Archaeological Research Center (ARC) in Rapid City, South Dakota. No sites are previously documented in or near the project Area of Potential Effect (APE). Four sites (39CD0053 – depression and euroamerican artifact scatter; 39CD0071 - Native American artifact scatter; 39CD2003 – Chicago, Northwestern Railroad; 39CD2016 – Chicago, Rock Island & Pacific Railroad) have been recorded within one mile of the project area. One archeological survey was previously conducted within a portion of the APE (Miller 2008). Fourteen other archeological surveys were previously conducted within one mile of the project area (Buechler 1991, 2016; Downing 1998, 1999, 2002; Hannus 1981;

## 2.3.5 Archaeological Evaluation

Attachment 2.3.E

Holst 2016; Kogel 2006, 2008a, 2008b; Lueck 2009; Lueck and Palmer 1998; Martorano and Killam 1993; and Sigstad 1973) (Figures 1 and 2). Two cemeteries (CD00000008 and CD000000457), three bridges (CD00000013, CD000000583 and CD000000585) and three historic structures (CD00000154, CD00000217 and CD00800001) are recorded within one mile of the project area.

Relevant historical documents, maps, and atlases were reviewed prior to the fieldwork at the Center for Western Studies, Augustana University (Andreas 1884; Brock and Company 1929; Midwest Atlas Company 1964; and Peterson 1904). The USGS 7.5-minute quadrangle map (Watertown East, SD, 1969) was also examined for potential historic properties. These sources indicated no evidence of structures within the project area.

Watertown Development Company provided project area maps on September 15, 2017. A pedestrian survey was conducted of the previously unsurveyed portions of the APE utilizing multiple parallel, linear, 30-meter transects (Figures 3-5). Most of the project area was previously cultivated (Ollila et al. 1966). The survey areas consisted of soils on uplands with good visibility where sites, if any, would likely be exposed on the surface.

Numerous large rodent borrows were examined for cultural material throughout the survey areas. The majority of the rodent burrow spoil piles exhibited a lighter 10YR 7/2 soil, indicating the shallow nature of the C-horizon substrate. It is likely that cultural deposits, if any, would be exposed on the surface. Ground cover consisted of soybeans, 30-60 percent visibility; mowed, mixed grasses on moderate slopes on some of the edges of the survey areas, 25-30 percent visibility; wheat or oats stubble in the Redlin 7.44-acre tract (refer to Figure 2), 90 percent visibility; mowed, mixed grasses in a narrow strip near the east edge of the WDC 3.85-acre tract, 10 percent visibility; and an asphalt parking lot on the east edge of the WDC 3.85-acre tract. These conditions provided sufficient surface visibility that ranged from 25-90 percent. The average ground surface visibility ranged from 30-40 percent.

No cultural resources were observed on the ground surface in the APE or in rodent spoil piles. The surveyed APE is previously cultivated and graded (Figure 6) on some edges. It is recommended that no further archeological work is necessary. A determination of *No Historic Properties Affected* is recommended. However, if the proposed construction should uncover cultural material or features, all construction/excavation activity within the APE should cease, and the South Dakota State Historic Preservation Office (SHPO) should be notified. Please note that final recommendations are issued by the SHPO.

Please forward copies of this report as necessary. The copy with the original signature should be forwarded to Paige Olson, Review and Compliance Coordinator, SHPO. Also, please forward one copy to the ARC (James Haug). Thank you for the opportunity to work on this project. Should any questions arise, please feel free to contact me at any time.

Sincerely,

Edward J. Lueck

Principal Investigator

Edward, Jueck

# 2.3.5 Archaeological Evaluation

#### Addresses:

Paige Olson – ATTN: Section 106 Review and Compliance, South Dakota State Historical Society, Cultural Heritage Center, 900 Governors Drive, Pierre, South Dakota 57501-2217.

Telephone: (605) 773-6004: Fax: (605) 773-6041 - E-mail: Paige.Olson@state.sd.us

James Haug – State Archaeological Research Center, Box 1257, 217 Kansas City Street, Rapid City, South Dakota 57709-1257. Telephone: (605) 394-1936: Fax: (605) 394-1941 - E-mail: Jim.Haug@state.sd.us

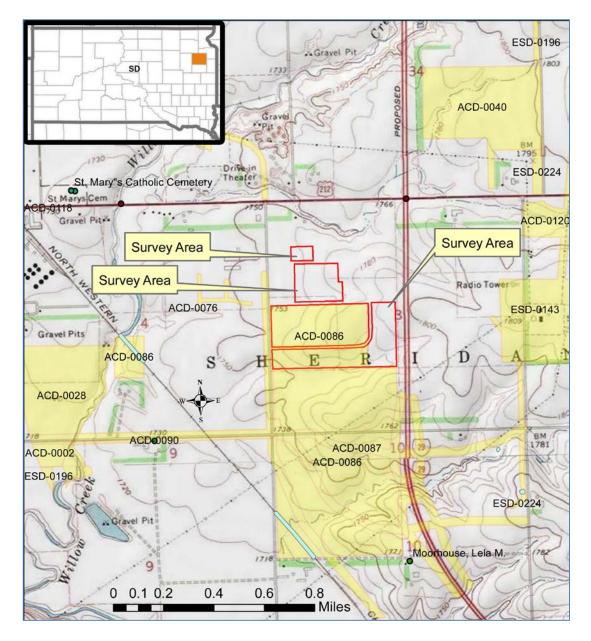


Figure 1. Map of project areas (outlined in red), survey areas, and previously recorded surveys within one mile, Section 3, T116N, R52W (Watertown East, SD 1969, USGS 7.5-minute quadrangle).



Figure 2. 2017 Satellite imagery showing survey areas and previously surveyed areas (outlined in pink) within project boundaries.



Figure 3. Overview of survey area in Redlin 7.44-acre and Redlin 9.35-acre tracts, facing south-southwest.



Figure 4. Overview of survey area in WDC 3.10-acre tract, facing southwest.



Figure 5. Overview of survey area in WDC 3.77-acre, WDC 4.19-acre, WDC 3.85-acre, and Redlin 4.14-acre tracts, facing southeast.



Figure 6. Overview of the graded area along the north edge of the survey area in WDC 3.77-acre and Redlin 4.14-acre tracts, facing west.

#### **References Cited**

### Andreas, A. T.

1884 Andreas's Historical Atlas of Dakota. A. T. Andreas, Chicago.

## Brock and Company

1929 Standard Atlas of Codington County, South Dakota. Compiled and published by Brock & Company, Chicago.

# Buechler, Jeffrey V.

- 1991 A Cultural Resources Inventory Survey of Wastewater Treatment Facility Improvements for the City of Watertown in Codington County, South Dakota. Project No. 91-17. Dakota Research Services, Rapid City, SD. ACD-0028.
- 2016 Letter Format Report of a Cultural Resources Inventory of the Proposed Watertown Plant Site in Codington County, South Dakota. Project No. 16-05. Dakota Research Services, Rapid City, SD. ACD-0120.

#### Downing, Patricia

- A Reconnaissance Cultural Resource Survey of Proposed Underground Lines for Codington Clark Electric Cooperative Project 9801124007F in Clark, Codington, and Day Counties, South Dakota. Prairie Lakes Archaeological Services, Aberdeen, SD. ESD-0196.
- 1999 A Reconnaissance Cultural Resource Survey of Proposed Underground Lines for Codington Clark Electric Association (#189h0701) Project 990720002F in Clark, Codington, and Grant Counties, South Dakota. Prairie Lakes Archaeological Services, Aberdeen, SD. ESD-0224.
- A Reconnaissance Cultural Resource Survey of Proposed Underground Lines for Codington Clark Electric Cooperative (LTR 1802h0501) in Clark and Codington Counties, South Dakota. Prairie Lakes Archaeological Services, Aberdeen, SD. ESD-0286.

### Hannus, L. Adrien

An Archaeological Reconnaissance of the Proposed Rapid Infiltration Basins Site in Codington County, South Dakota, Sections 8 & 9, T116N, R52W. Archeology Laboratory, Augustana College, Sioux Falls, SD. ACD-0002.

#### Holst, David

2016 An Intensive Cultural Resources Survey of SDDOT Project NH 0212(174)377, PCN 027D, Codington County, South Dakota. CIS No. 2917. Archaeological Research Center, Rapid City, SD. ACD-0118.

# 2.3.5 Archaeological Evaluation

Attachment 2.3.E

Kogel, Troy

- A Level III Cultural Resource Survey of the Proposed 1st Avenue North and Associated Sanitary Sewer in Codington County, South Dakota. Archeology Laboratory, Augustana College, Sioux Falls, SD. ACD-0088.
- 2008a A Level III Cultural Resources Survey of the Proposed Watertown South Connector Project, Codington County, South Dakota. Kogel Archeological Services, Sioux Falls, SD. ACD-0087.
- 2008b A Level III Cultural Resources Survey of the Proposed Watertown South Connector Overhead Power Line Relocation in Codington County, South Dakota. Kogel Archeological Services, Sioux Falls, SD. ACD-0090.

## Lueck, Edward

A Letter Report of the Level III Survey of Proposed 26th Street East and 15th Avenue South Sanitary and Storm Sewers, Watertown, Codington County, South Dakota. Archeology Laboratory, Augustana College, Sioux Falls, SD. ACD-0076.

## Lueck, Edward, and Linda Palmer

1998 Cultural Resources Survey of Pheasant Ridge Industrial Park Infrastructure Improvements for the City of Watertown, Codington County, South Dakota. Archeology Laboratory, Augustana College, Sioux Falls, SD. ACD-0040.

# Martorano, Marilyn A. and David G. Killam

Cultural Resources Survey of the Summit to Watertown Transmission Line Project, Codington, Grant, and Roberts Counties, South Dakota. Cultural Resources Report No. 8. Volumes 1 and 2. Foothills Engineering Consultants, Inc., Golden, CO. ESD-0143.

#### Midwest Atlas Company

1964 South Dakota State Atlas. Midwest Atlas Company, Fergus Falls, MN.

### Miller, Paul V.

An Intensive Cultural Resources Survey of Segment One Option Areas of the South Connector at Watertown, Materials Pit, EM-P4411(01) PCN 00RV, Codington County, South Dakota. CIS No. 2238. Archaeological Research Center, Rapid City, SD. ACD-0086.

Ollila, Toivo J., Lorenz M. Fox, Laurence L. Kobriger, and Dean R. Purrington

1966 Soil Survey in Codington County, South Dakota. United States Department of Agriculture Soil Conservation Service, in cooperation with South Dakota Agricultural Experiment Station. Washington, D.C.

#### Peterson, E. Frank

1904 *Historical Atlas of South Dakota*. E. Frank Peterson, Vermillion.

# 2.3.5 Archaeological Evaluation

Attachment 2.3.E

Sigstad, John S.

An Archaeological Survey of the Proposed Watertown, South Dakota – Moville, Iowa 345 KV Transmission Line 1973, Brookings, Codington, Deuel, Lincoln, Minnehaha, Moody and Union Counties, South Dakota. Contract No. CX6000-3-0071. Archaeology Laboratory, University of South Dakota, Vermillion, SD. ESD-0001.

# United States Geological Survey

Watertown East USGS 7.5' quadrangle (1969). United States Geological Survey, Department of the Interior. Washington, D.C.



# GEOTEK ENGINEERING & TESTING SERVICES, INC.

909 East 50<sup>th</sup> Street North Sioux Falls, South Dakota 57104 Phone 605-335-5512 Fax 605-335-0773

October 31, 2017

Watertown Development Company 1 E. Kemp Avenue Watertown, South Dakota 57201

Attn: Michelle Kakacek, Director of Business Development

Subj: Preliminary Geotechnical Exploration

Proposed Site Development Interstate Office Addition Watertown, South Dakota

GeoTek #17-B82

### Introduction

This correspondence presents our reporting of the preliminary geotechnical exploration program for the referenced project. Our work was performed in accordance with your authorization.

### **Project Location & Description**

The project site is located in the southeast portion of Watertown, South Dakota. The site is known as the Interstate Office Addition.

### **Test Borings**

We performed ten (10) test borings on October 24, 2017. A site map is attached showing the relative location of the test borings. GPS coordinates are also attached to this report. Due to the distance between the test borings, we did not determine the ground surface elevations at the test boring locations.

### **Subsurface Conditions**

The subsurface conditions encountered at the test boring locations consisted of 1 foot to 2 ½ feet of topsoil materials overlying fine alluvium soils, mixed alluvium soils, coarse alluvium soils, glacial fluvial soils and glacial till soils.

The topsoil materials consisted of lean clay soils and lean clay with sand soils. The fine alluvium soils consisted of lean clay soils. The mixed alluvium soils consisted of sandy lean clay soils. The coarse alluvium soils consisted of clayey sand soils and sand with silt soils. The glacial fluvial soils consisted of lean clay soils. The glacial till soils consisted of lean clay with sand soils and sandy lean clay soils.

The consistency or relative density of the soils is indicated by the standard penetration resistance ("N") values as shown on the boring logs. A description of the soil consistency or relative density based on the "N" values can be found on the attached Soil Boring Symbols and Descriptive Terminology data sheet.

## **Groundwater Levels**

Measurements to record the groundwater levels were made at the test boring locations. The time and level of the groundwater readings are recorded on the boring logs. Groundwater was measured at depths varying from 1 foot to 5 feet at test borings 3, 5, 8, 9 and 10. Groundwater did not enter the boreholes at the other test borings at the time of our measurements.

The water levels indicated on the boring logs may or may not be an accurate indication of the depth or lack of subsurface groundwater. The limited length of observation restricts the accuracy of the measurements. Long term groundwater monitoring was not included in our work scope. Also, the groundwater levels at several of the test borings could be attributed to the recent rainfall that the site received.

## **Laboratory Testing**

Select samples from the test borings were submitted to the laboratory for testing. The tests consisted of moisture content, dry density, sieve analysis (#200 sieve wash), Atterberg limits (liquid and plastic limits) and unconfined compressive strength. The results of the laboratory tests are shown on the boring logs adjacent to the samples upon which the tests were performed.

### **Project Information**

The future site development will likely consist of constructing new buildings and pavement areas. No loading information is available and no grading plans have been developed.

## **Discussion**

The test borings encountered 1 foot to 2 ½ feet of topsoil materials overlying fine alluvium soils, mixed alluvium soils, coarse alluvium soils, glacial fluvial soils and glacial till soils. It is our opinion that the topsoil materials are not suitable for support of any future buildings.

In regards to the underlying soils, it is our opinion that the fine alluvium soils and mixed alluvium soils generally have low strength characteristics and are moderately compressible, while the coarse alluvium soils, glacial fluvial soils and glacial till soils have moderate to high strength characteristics and/or are slightly compressible.

The fine alluvium soils and mixed alluvium soils should only be considered suitable for support of light foundation loads. Additional site preparation should be expected with the fine alluvium soils and mixed alluvium soils. The additional site preparation would likely consist of placing crushed rock beneath the foundations. Depending on the foundation loads, the thickness of the crushed rock would likely vary from 1 foot to 2 feet. A net allowable soil bearing capacity in the range of 1,500 pounds per square foot (psf) to 2,000 psf could be expected with the fine alluvium soils and mixed alluvium soils.

As previously stated, the coarse alluvium soils, glacial fluvial soils and glacial till soils have moderate to high strength characteristics and/or are slightly compressible. It is our opinion that the coarse alluvium soils, glacial fluvial soils and glacial till soils are considered suitable for support of light and moderate foundation loads. A net allowable soil bearing capacity in the range of 3,000 psf to 4,000 psf could be expected with the coarse alluvium soils, glacial fluvial soils and glacial till soils.

If heavy foundation loads are planned for a future building, then a deep foundation system may be needed. The deep foundation system could consist of auger-cast piles. Rammed aggregate piers or aggregate piers could also be considered.

In regards to floor slab support, the fine alluvium soils and mixed alluvium soils are considered suitable for support of light floor slab loads, while the coarse alluvium soils, glacial fluvial soils and glacial till soils are considered suitable for support of light and moderate floor slab loads.

Shallow groundwater was encountered at several of the test borings. With that said, groundwater control may be needed as part of the site preparation plan.

Regarding pavement support, poor to fair subgrade support should be expected with the fine alluvium soils and mixed alluvium soils, while fair to favorable subgrade support should be expected with the coarse alluvium soils, glacial fluvial soils and glacial tills soils.

## Remarks

As specific plans are developed, we recommend that additional test borings and laboratory tests be performed. We trust this report provides you with the necessary information for the project. If you have any questions or require additional information, please contact our office.

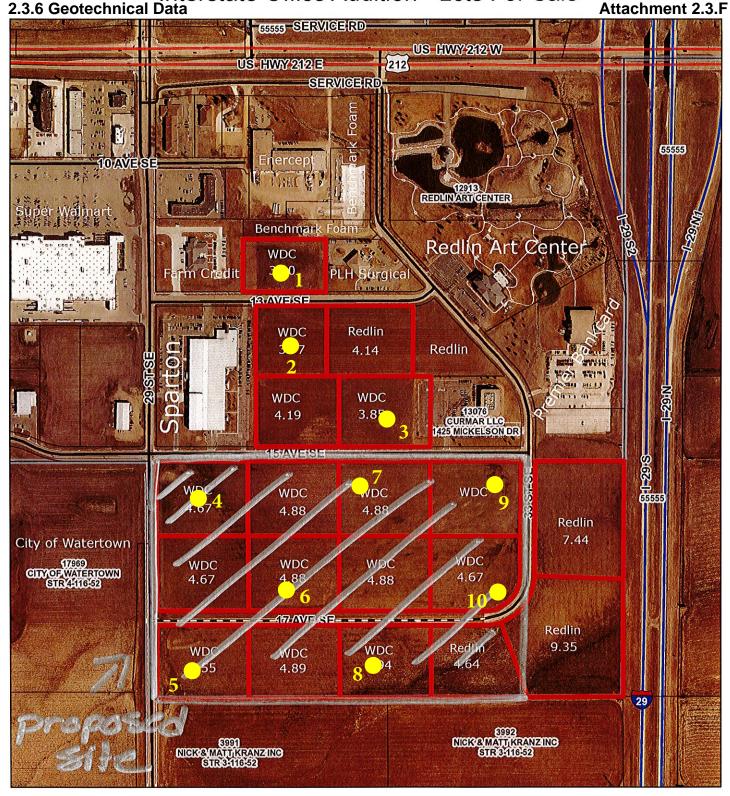
GeoTek Engineering & Testing Services, Inc.

Jared Haskins, PE Geotechnical Manager

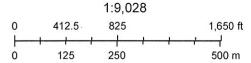


Test Boring Number	GPS Coo	ordinates
1	44°53'12.71" N	97°3'53.97" W
2	44°53'9.08" N	97°3'53.46" W
3	44°53'4.91" N	97°3'46.43" W
4	44°53'0.65" N	97°4'1.14" W
5	44°52'50.72" N	97°4'0.83" W
6	44°52'55.00" N	97°3'53.47" W
7	44°53'0.70" N	97°3'48.42" W
8	44°52'50.71" N	97°3'48.34" W
9	44°53'0.70" N	97°3′38.51" W
10	44°52'54.90" N	97°3'38.14" W

Interstate Office Addition - Lots For Sale



May 13, 2016



Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

2.3.6 Geotechnical SECTEK ENGINEERING TESTING SERVICES, INC.
909 E. 50th St. N.
Sioux Falls SD 57104
605-335-5512 Fax 605-335-0773
www.geotekeng.com

PROJECT   Proposed Site Development, Interstate Office Addition, Watertown, SD	GEOTE	EK# <u>1</u>	7-B82		_							В	ORING	S NO.		1 (1	l of 1)	
DESCRIPTION OF MATERIAL   GEOLOGIC   N   WL   NO.   TYPE   WC   D   LL   PL   QU	PROJE	CT <u>Pro</u>	posed Si	te Developm	ent, Interstate	Office Addi	tion	, Watertown, SD										
Series   S			DESC	RIPTION O	F MATERIA	<b>AL</b>		GEOLOGIC			SA	MI	PLE	L.	ABOR I	ATOR	Y TES	STS
Most									N	WL	NO.	Т	YPE	wc	D	LL	PL	QU
CLAYEY SAND a little gravel, fine to medium grained, brown, moist, medium dense to dense, percent passing the #200 sieve = 13% (at 5) (SC)   25   3   SPT		LEAN	CLAY \	WITH SAND	: very dark b	orown,	_	TOPSOIL				T	П					
2 CLAYEY SAND: a little gravel, fine to medium grained, brown, moist, medium dense to dense, percent passing the #200 sieve = 13% (at 5') (SC)  3 SPT  25 3 SPT  25 3 SPT  27 SAND WITH SILT: a little gravel, medium to coarse grained, brown, moist, dense to very dense, (SP-SM)  10 Bottom of borehole at 16 feet.  WATER LEVEL MEASUREMENTS  DATE TIME SAMPLED CASING CAYEN DEPTH DEPTH DEPTH DEPTH LEVEL DEPTH LEVEL METHOD 3,25' ID Hollow Stem Auger  DATE TIME SAMPLED CASING CAYEN DEPTH DEPTH DEPTH LEVEL 3,25' ID Hollow Stem Auger	_	moist,	, (CL)			-			_		1	I	HSA					
CLAYEY SAND. a little gravel, fine to medium grained, brown, moist, medium dense to dense, percent passing the #200 sieve = 13% (at 5') (SC)  SAND WITH SILT: a little gravel, medium to coarse grained, brown, moist, dense to very dense, (SP-SM)  To a substituting the state of th							긐				'	۱						
medium grained, brown, moist, medium dense to dense, percent passing the #200	2 -	CLAY	EY SAN	<b>ID</b> : a little gr	avel, fine to			COARSE	+				1 I					
SAND WITH SILT: a little gravel, medium to coarse grained, brown, moist, dense to very dense, (SP-SM)	_	mediu	ım grair	ned, brown,	moist, medi	um {		ALLUVIUM	9		2	X	SPT					
Table   Time   Sampled   Casing Depth   Dept		dense   sieve	e to den: = 13%	se, percent (at 5') (SC)	passing the	#200						$^{\prime}$						
SAND WITH SILT: a little gravel, medium to coarse grained, brown, moist, dense to very dense, (SP-SM)	-			, , ,					-									
SAND WITH SILT: a little gravel, medium to coarse grained, brown, moist, dense to very dense, (SP-SM)												7	1					
SAND WITH SILT: a little gravel, medium to coarse grained, brown, moist, dense to very dense, (SP-SM)									25		3	X	SPT					
SAND WITH SILT: a little gravel, medium to coarse grained, brown, moist, dense to very dense, (SP-SM)	-					į			-			<u>/_</u> \						
SAND WITH SILT: a little gravel, medium to coarse grained, brown, moist, dense to very dense, (SP-SM)	7																	
Time   Sampled   Casing   Depth   De		SAND	WITH S	SILT: a little	gravel, med	lium to			Ī			$\setminus$	1					
Note	-	dense	e granie e, (SP-S	su, brown, n sM)	ioist, derise	to very		ALLOVION	- 40		4	ľ	SPI					
Time   Sampled   Casing   Depth   De				,		}  -												
Time   Sampled   Casing   Depth   De																		
Time   Sampled   Casing   Depth   De	_								- 25		_	V	edt					
Bottom of borehole at 16 feet.									20		3	$/\!\!/$	SFI					
Bottom of borehole at 16 feet.	_												]					
Bottom of borehole at 16 feet.	_								-									
Bottom of borehole at 16 feet.									17		6	V	SPT					
Bottom of borehole at 16 feet.	-								- ''			$/ \setminus$	'					
Bottom of borehole at 16 feet.	_					-			L									
Bottom of borehole at 16 feet.													/ I					
Bottom of borehole at 16 feet.	_								_ 28		7	IV.	SPT					
WATER LEVEL MEASUREMENTS   START   10-24-17   COMPLETE   10-24-17 8:53 am	16 _									_		/						
DATE         TIME         SAMPLED DEPTH         CASING DEPTH         CAVE-IN DEPTH         WATER LEVEL         METHOD 3.25" ID Hollow Stem Auger           10-25-17         3:28 pm         16          13         none			Botto	m of boreho	ole at 16 fee	t.												
DATE         TIME         SAMPLED DEPTH         CASING DEPTH         CAVE-IN DEPTH         WATER LEVEL         METHOD 3.25" ID Hollow Stem Auger           10-25-17         3:28 pm         16          13         none	_								-									
DATE         TIME         SAMPLED DEPTH         CASING DEPTH         CAVE-IN DEPTH         WATER LEVEL         METHOD 3.25" ID Hollow Stem Auger           10-25-17         3:28 pm         16          13         none									_									
DATE         TIME         SAMPLED DEPTH         CASING DEPTH         CAVE-IN DEPTH         WATER LEVEL         METHOD 3.25" ID Hollow Stem Auger           10-25-17         3:28 pm         16          13         none																		
DATE         TIME         SAMPLED DEPTH         CASING DEPTH         CAVE-IN DEPTH         WATER LEVEL         METHOD 3.25" ID Hollow Stem Auger           10-25-17         3:28 pm         16          13         none	-								-									
DATE         TIME         SAMPLED DEPTH         CASING DEPTH         CAVE-IN DEPTH         WATER LEVEL         METHOD 3.25" ID Hollow Stem Auger           10-25-17         3:28 pm         16          13         none	_																	
DATE         TIME         SAMPLED DEPTH         CASING DEPTH         CAVE-IN DEPTH         WATER LEVEL         METHOD 3.25" ID Hollow Stem Auger           10-25-17         3:28 pm         16          13         none	į																	
DATE         TIME         SAMPLED DEPTH         CASING DEPTH         CAVE-IN DEPTH         WATER LEVEL         METHOD 3.25" ID Hollow Stem Auger           10-25-17         3:28 pm         16          13         none	-								F									
DATE         TIME         SAMPLED DEPTH         CASING DEPTH         CAVE-IN DEPTH         WATER LEVEL         METHOD 3.25" ID Hollow Stem Auger           10-25-17         3:28 pm         16          13         none																		
DATE   TIME   DEPTH   DEPTH   LEVEL   3.25"   ID Hollow Stem Auger   10-25-17   3:28 pm   16     13   none	ž	,	WA	ATER LEVE		EMENTS			STAR	T _	10-24	-17	C0	OMPLE	TE _	10-24	-17 8:	53 am
10-25-17 3:28 pm 16 13 none	DATE	<u> </u>	TIME								- الما	. ^	<b>.</b>					
	10-25-1	17 3:	28 pm				$\vdash$		3.25"	<u>ID Н</u>	Ollow	S	<u>tem A</u>	<u>uger</u>				
	:																	
CREW CHIEF Mike Wagner	)								CDE	N/CL	HEE		Mika V	Nagna	ar .			

2.3.6 Geotechnical SECTEK ENGINEERING & TESTING SERVICES, INC.
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		# <u>17-B82</u> Proposed Si	te Developme	— ent. Interstate	e Office Addi	ition	, Watertown, SD				В	ORING	NO.		2 (	1 of 1)	
DEPTH	-		RIPTION O							SA	MF	PLE	L	ABOR	RATOR	Y TES	STS
in FEET	ŗ	DESC	RIFTION	F IVIA I ERIA	<b>1</b> ∟		GEOLOGIC ORIGIN	N	WL	NO.	Т	YPE	wc	D	LL	PL	Q
	LI	EAN CLAY:	very dark br	own, moist,	(CL)	=	TOPSOIL				I						
4					-	$\equiv$		_		1	I	HSA					
					-						l						
2½	_	ANDVIEAN	LOLAY - L				MINED				$\bigvee$						
-	<u>5/</u>	own, moist,	I CLAY: a tra firm, (CL)	ace of grave	€1,		MIXED ALLUVIUM	_ 6		2	Ň	SPT					
			, ,														
4½	<u></u>	I VAEA 6VM	ID: a little gr	avel fine to			COARSE										
-	m	edium grain	ned. brown. i	moist, dens	e. 🏻		ALLUVIUM	_ 19		3		SPT					
_	pe (S	ercent passi 6C)	ing the #200	sieve = 18	% (at 5')			_			$\triangle$						
_	ري	,															
7	<u>S</u> /	AND WITH S	SILT: a little	gravel, med	lium to		COARSE	_			$\forall$						
_	CC	oarse graine ense, (SP-S	ed, brown, m	ioist, dense	to very		ALLUVIUM	_ 22		4	X	SPT					
	uc	5118 <b>C</b> , (OI -O	ivi)								$\Box$						
-								_									
_											$\bigvee$	ODT					
								33		5	Ň	SPT					
1								_									
4								_									
								34		6	V	SPT					
1											$\triangle$						
-								_									
											abla						
								45		7	X	SPT					
16		Botto	m of boreho	le at 16 fee	t.				-	$\vdash$	$\square$		<u> </u>				
		20110	0. 20.0														
-								_									
_								_									
-								_									
_								_									
		WA	ATER LEVE	L MEASUR	EMENTS			STAR	T	10-24	-17	C(	OMPLE	TE .	10-24	-17 9:	30 a
DATE		TIME	SAMPLED	CASING	CAVE-IN		WATER	METI									
10-25-1		3:28 pm	DEPTH 16	DEPTH 	DEPTH 13	-	none	3.25"	ID H	ollow	St	tem A	<u>uger</u>				
				1													

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		17-B82		_							ВС	RING	NO.		3 (	1 of 1)	
PROJEC	CT .	Proposed Si	te Developme	ent, Interstat	e Office Add	litior	n, Watertown, SD	1		L 0.4	145	1		4000	A T O F	V/ TE/	).TO
DEPTH in FEET	_	DESC	RIPTION O	F MATERIA	AL		GEOLOGIC ORIGIN	N	WL	NO.	MP TY	/PE	WC	D	ATOR LL	PL	QL
		AN CLAY	very dark br	own, moist,	, (CL)		TOPSOIL				Ы						
2 _	SA	ANDY LEAN	I CLAY: mot	tled brown	and		MIXED	-	Ī	1		HSA					
3½	gr	ay, moist, s	oft, (CL)				ALLUVIUM	4		2	A	SPT	18	103			
-	mo	ottled brown	MITH SAND: n and gray, i	a little grav moist, firm,	/el, (CL)		GLACIAL TILL	_									
-								_ 7 _		3	A	SPT	18	113			
7 _	SA bro	ANDY LEAN own and gr	<b>I CLAY</b> : a litt ay, moist, st	tle gravel, n iff to very st	nottled tiff, (CL)		GLACIAL TILL	9		4	X	SPT	17	123			280
-								15		5	X	SPT					
- -								_ _ 15		6	X	SPT					
- - 16 _								_ _ 16		7	X	SPT					
-		Botto	m of boreho	le at 16 fee	t.	<i>AD D</i>		_									
-								_									
-								-									
		WA	ATER LEVE	I MFASUR	EMENTS			STAR	<u> </u> г -	10-24	 -17	CC	MPLE	TF	10-24-	17 10	·02 a
DATE	<u> </u>	TIME	SAMPLED DEPTH	CASING DEPTH	CAVE-IN DEPTH		WATER LEVEL	METH 3.25"	HOD								
10-25-1	7	3:29 pm 	16 		3	¥	1.5 										
						+		1									

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GEOTE	EK#	17-B82		_							ВОГ	RING	S NO.		4 (′	1 of 1)	
PROJE	CT P	oposed Si	te Developme	ent, Interstate	e Office Add	itior	n, Watertown, SD	1									
DEPTH in FEET	_	DESC	RIPTION O	F MATERIA	AL		GEOLOGIC ORIGIN	N	WL	NO.	MPL TYI		WC	ABOR D	ATOR LL	PL	RTS QU
_		N CLAY:	very dark br	own, moist,	(CL)		TOPSOIL	_		1	ŀ	ISA					
2½	LEA	N CLAY:	brown, mois	t, firm, (CL)	)		FINE ALLUVIUM	5		2	S	SPT	23	98			
4½ - 6 _	(CL)	)	I CLAY: brov				MIXED ALLUVIUM COARSE	7		3	S	SPT	13	122			
- -	med	lium grair	ned, brown, r dense, (SP	noist, medi	um		ALLUVIUM	_ 10		4	s	SPT					
-								_ 25 		5	S	SPT					
- -	_							30		6	S	SPT					
16 _	-	Botto	m of boreho	le at 16 fee	<del>1</del>			37		7	S	SPT					
DATE  10-25-	-	_ 50	2 22.30	23.23. <b>33</b>				- - -									
	-							_ _									
5		WA	ATER LEVE	L MEASUR	EMENTS		<u> </u>	STAR	Γ _ ′	10-24	<u> </u>	CC	OMPLE	TE	10-24	-17 1:	17 <u>p</u> m
DATE		TIME	SAMPLED DEPTH	CASING DEPTH	CAVE-IN DEPTH		WATER LEVEL	METH 3.25"	HOD			•					•
10-25-	17	3:34 pm	16		13		none	0.20	۱۱۱ ص.	J.1.O VI		/\	~A~ı				
<u></u>	-					+											
								CREV	V CH	IIEF	Mi	ke V	Vagne	er			

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		17-B82 Proposed Si	te Develonme	— ent Interstate	e Office Add	lition	ı, Watertown, SD	1			BOF	RING	S NO.		5 (	1 of 1)	
DEPTH	<u> </u>		RIPTION O			110.		<u> </u>		SA	MPL	E	L	ABOR	ATOR	Y TES	STS
in FEET		DESC	RIFTION O	F WATERIA	<b>1</b> L		GEOLOGIC ORIGIN	N	WL	NO.	TYF	PΕ	wc	D	LL	PL	QL
	V LE	AN CLAY:	very dark br	own, moist.	(CL)	<u></u>	TOPSOIL										
			,	, , , , , , , , , , , ,	, ( /	늗				1		ISA					
										'		ISA					
2 _	I F	ΑΝ ΟΙ ΔΥ	brown, mois	t to wet so	ft (CL)		FINE	+									
	<u></u>	AIT OLAI.	DIOWII, IIIOIC	st to wet, 30	it, (OL)		ALLUVIUM	4	▼	2	$ y _{\mathtt{S}}$	PT					
_									-		Ш						
-								-									
											$\forall$						
								4		3	X s	PT	27	97			800
_								_			$\Box$						
7																	
	LE	AN CLAY	<b>MITH SAND</b> n and gray, i	: a little grav	/el,		GLACIAL TILL	Ī			$\bigcup_{a}$						
-	IIIC	Julea browi	i aliu glay, i	noisi, siiri,	(CL)		IILL	- 9		4	$  \cdot  ^{s}$	PT	21	108			250
_																	
_								_ 14		5	$\bigvee$ s	BPT					
								'-			$\mathbb{N}^{2}$	"					
_																	
-								-			$\forall$						
								14		6	$ \chi _{\mathtt{S}}$	PT					
											Ш						
_								-									
											$\forall$						
								14		7	X s	PT					
_								_			$\Box$						
_																	
_								_									
_								_ 14		8	$\bigvee$ s	BPT					
21 _											$\mathbb{N}^{2}$	" !					
		Botto	m of boreho	le at 21 fee	t.												
		WA	ATER LEVE	L MEASUR	EMENTS			STAR	Γ	1 10-24	-17	CC	L DMPLE	TE _	10-24	-17 4∷	1 27 pr
DATE		TIME	SAMPLED DEPTH	CASING DEPTH	CAVE-IN DEPTH		WATER LEVEL	METH 3.25"		ollov	, Sta	m A	uger				
10-25-1	17	3:43 pm	21		6	¥	3	0.20	ווטו	OHOW	<u> </u>		uycı				
				-													
								I									

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GEOTI	EK#	# <u>17-B82</u>		_							ВС	DRING	NO.		6 (*	1 of 1)	
PROJE	СТ	Proposed Si	te Developme	ent, Interstate	e Office Add	itior	ı, Watertown, SD										
DEPTH in FEET		DESC	RIPTION O	F MATERIA	AL.		GEOLOGIC ORIGIN	N	WL	SA NO.	AMP	YPE	WC	ABOR D	ATOR LL	Y TES	STS QU
FEET	V LE	EAN CLAY:	very dark br	own. moist.	(CL)	_	TOPSOIL										
1 -	LE m	EAN CLAY I	<b>WITH SAND</b> : n and gray, r	a little grav	/el,		GLACIAL TILL	- - _ 11		1 2		HSA SPT	15		33	14	
-	-							- - 9 -		3	X	SPT	16	116			4200
-								- _ 10 -		4		SPT					
-								_ 12 _		5	X	SPT					
-								_ _ 14 _		6	X	SPT					
16 _		Botto	m of boreho	le at 16 fee	t.			_ 16		7	M	SPT					
DATE   10-25-	-	25.10	3. 33.5110					- - -									
) D																	
Ž		WA	ATER LEVE	L MEASUR	EMENTS			STAR	т	10-24	-17	_ cc	OMPLE	TE _	10-24	-17 1:	59 pm
DATE		TIME	SAMPLED DEPTH	CASING DEPTH	CAVE-IN DEPTH		WATER LEVEL	METH 3.25"		ollow	/ St	em A	uger				
10-25-	17	3:39 pm 	16 		14 	+	none 										
<u></u>								05.5				411	.,				
<u></u>								CREV	v CF	IIEF	N	/like V	Vagne	er			

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GEOTE	EK# <u>17-B82</u>		_							В	ORING	S NO.		7 (	l of 1)	
PROJEC	Proposed S	ite Developme	ent, Interstate	Office Addi	ition	, Watertown, SD		1								
DEPTH in FEET	DESC	CRIPTION O	F MATERIA	AL.		GEOLOGIC ORIGIN	N	WL	NO.		YPE	WC	ABOR D	ATOR LL	PL	QU
	LEAN CLAY:	very dark br	own, moist,	(CL)	_	TOPSOIL				I						
1 _	I FANI OL AV	MITHOAND	- 1901		 XXZY	OL A OLAL	_		1	I	HSA					
	LEAN CLAY mottled brow	m and grav. i	: a little grav moist. firm t	vel, o verv		GLACIAL TILL				1						
1 1	stiff, (CL)	3 - 3,		,			_			7						
-							_ 8		2	X	SPT	16	116			4500
1 1							_									
-							_ 		3	$\bigvee$	SPT					
							_			$/\!\!\setminus$						
							_			/						
1 -							_ 12		4	X	SPT					
							_			. /						
-							_ 15		5	V	SPT					
							_			$/ \setminus$						
1 1							_			7						
-				,		•	_ 16		6	X	SPT					
14½	LEAN CLAY	WITH CAND	. a little arev	(a)		GLACIAL	_			. /						
	brown, moist	, very stiff, (0	. a iittie grav CL)	rei,		TILL	_ 17		7	V	SPT					
16	D-#-		la at 40 fa at		<b>X</b>			1		$/ \setminus$						
//31/17	Bollo	m of boreho	ne at 16 iee	ι.												
13							_									
0.0 -							_									
							_									
GEO																
S GPJ							_									
7-882							_									
GEOTECHNICAL TEST BORING 17-B82.GPJ GEOTEKENG.GDT 1003/1/17  TOTAL TEST BORING 17-B82.GPJ GEOTEKENG.GDT 1003/1/17  TOTAL TEST BORING 17-B82.GPJ GEOTEKENG.GDT 1003/1/17																
BOX BOX	W	ATER LEVE					STAR		10-24-	-17	CC	OMPLE	TE	10-24-	17 11	:34 am
DATE	TIME	SAMPLED DEPTH	CASING DEPTH	CAVE-IN DEPTH		WATER LEVEL	METH		ماامین	C	tons ^					
10-25-1	17 3:34 pm	16		14		none	3.25"	<u> П</u>	OIIOW	<u>S</u>	iem A	uger_				
BEOJ							CREV	V CH	lIEF		Лike V	Vagne	er			



GEOTI	EK# <u>17-B82</u>		_							ВС	ORING	S NO.		8 (′	1 of 1)	
PROJE	CT Proposed S	ite Developm	ent, Interstate	Office Addit	tion	, Watertown, SD										
DEPTH in FEET	DESC	CRIPTION O	F MATERIA	<b>AL</b>		GEOLOGIC ORIGIN	N	WL	NO.	AMF T	YPE	WC	ABOR D	ATOR LL	PL	STS QU
	LEAN CLAY:	very dark bi	own, moist,	(CL)		TOPSOIL										
1 -	LEAN CLAY mottled brow	with sand in and gray,	: a little grav moist, firm,	rel, (CL)		GLACIAL TILL	- - - 7	•	2		HSA SPT					
5½	LEAN CLAY: moist, stiff, ((	a trace of gr CL)	ravel, brown	ı,		GLACIAL FLUVIAL	8		3	X	SPT	17	111			
-							_ 13 _		4		SPT	23	104	42	18	4400
-							13 		5	X	SPT					
-							_ 10 _		6	X	SPT					
-							14 _ _		7	X	SPT					
19½ 21	LEAN CLAY mottled brow	<b>WITH SAND</b> on and gray,	: a little grav moist, very s	vel, stiff, (CL)		GLACIAL TILL	- - 16		8	X	SPT					
21 <sub>-</sub>	Botto	om of boreho	le at 21 fee	t.	(XX)											
	W	ATER LEVE	L MEASUR	EMENTS	[		STAR	T _	1 10-24	-17	_ C(	OMPLE	ETE _	10-24	-17 3:	34 pm_
DATE		SAMPLED DEPTH	CASING DEPTH	CAVE-IN DEPTH		WATER LEVEL	METH 3.25"		ollow	/ St	em A	uger				
10-25-	17 3:41 pm 	21		7	Ţ	<u>4</u> 										
							CRE	N CF	liff	Λ	/like V	Vagne	er			
<u></u> اد					<u> </u>		UKE	/V UF	пСГ	ı۱	iike V	vayıı	<b>7</b> 1			

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		EK# <u><b>17-B82</b></u>		_							В	ORING	S NO.		9 (	1 of 1)	
H	PROJEC DEPTH	-	ite Developme CRIPTION O			tion	, Watertown, SD GEOLOGIC			SA	MI	PLE	L	ABOR	ATOR	Y TES	STS
	in FEET	J		ב. (1/	<del></del>		ORIGIN	N	WL	NO.	Т	YPE	wc	D	LL	PL	QU
t		LEAN CLAY:	very dark bi	own, moist,	(CL)		TOPSOIL										
	1	LEAN CLAY	WITH SAND	: a little grav	/el,	 7/2	GLACIAL	_	₹	1		HSA					
	-	mottled brow stiff, (CL)	n and gray,	moist, stiff t	o very		TILL	_ 10		2		SPT					
	- - -							- 11 -		3	X	SPT	17	114			4500
	- - -							_ _ 13 _		4	X	SPT					
	-							_ 15 _		5	X	SPT					
	- - -							- _ 14 -		6	X	SPT					
1/17	-							_ 13 _		7	X	SPT					
GEOTECHNICAL TEST BORING 17-B82.GPJ GEOTEKENG.GDT 10/31/17	-							_			\ /	7					
82.GP,								16		8	X	SPT					
3 17-B	21 _	Botto	m of boreho	le at 21 fee	t.	YYY?			1	-	<u>, `</u>						
SORINC		W	ATER LEVE	L MEASUR	<u> </u> EMENTS			STAR	<u>Г</u>	 10-24-	-17		<u> </u> Omple	<u> </u> ETE	 10-24-	 -17 10	:50 am
L TEST B	DATE		SAMPLED DEPTH	CASING DEPTH	CAVE-IN DEPTH		WATER LEVEL	METH 3.25"	HOD								
HNICA	10-25-1	17 3:34 pm	21		6	Ţ	1										
CTEC																	
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	K # <u>17-B82</u>		— ent Interstat	o Office Ad	dition	, Watertown, SD				В	ORING	S NO.		10 (	(1 of 1	)
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# **SOIL CLASSIFICATION CHART**

R.A.	AJOR DIVISI	ONS	SYME	BOLS	TYPICAL
IVI	AJUK DIVISI	UNS	GRAPH	LETTER	DESCRIPTIONS
	GRAVEL AND	CLEAN GRAVELS		GW	WELL-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
	GRAVELLY SOILS	(LITTLE OR NO FINES)		GP	POORLY-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
COARSE GRAINED SOILS	MORE THAN 50% OF COARSE	GRAVELS WITH FINES		GM	SILTY GRAVELS, GRAVEL - SAND - SILT MIXTURES
	FRACTION RETAINED ON NO. 4 SIEVE	(APPRECIABLE AMOUNT OF FINES)		GC	CLAYEY GRAVELS, GRAVEL - SAND - CLAY MIXTURES
MORE THAN 50%	SAND AND	CLEAN SANDS		SW	WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
OF MATERIAL IS LARGER THAN NO. 200 SIEVE SIZE	SANDY SOILS	(LITTLE OR NO FINES)		SP	POORLY-GRADED SANDS, GRAVELLY SAND, LITTLE OR NO FINES
	MORE THAN 50% OF COARSE FRACTION	SANDS WITH FINES		SM	SILTY SANDS, SAND - SILT MIXTURES
	PASSING ON NO. 4 SIEVE	(APPRECIABLE AMOUNT OF FINES)		SC	CLAYEY SANDS, SAND - CLAY MIXTURES
				ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
FINE GRAINED SOILS	SILTS AND CLAYS	LIQUID LIMIT LESS THAN 50		CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
COILC				OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
MORE THAN 50% OF MATERIAL IS SMALLER THAN NO. 200 SIEVE				МН	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SAND OR SILTY SOILS
SIZE	SILTS AND CLAYS	LIQUID LIMIT GREATER THAN 50		СН	INORGANIC CLAYS OF HIGH PLASTICITY
				ОН	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
HI	GHLY ORGANIC S	SOILS		PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS

NOTE: DUAL SYMBOLS ARE USED TO INDICATE BORDERLINE SOIL CLASSIFICATIONS

### SYMBOLS FOR DRILLING AND SAMPLING

<b>Symbol</b>	<u>Definition</u>
Bag	Bag sample
CS	Continuous split-spoon sampling
DM	Drilling mud
FA	Flight auger; number indicates outside diameter in inches
HA	Hand auger; number indicates outside diameter in inches
HSA	Hollow stem auger; number indicates inside diameter in inches
LS	Liner sample; number indicates outside diameter of liner sample
N	Standard penetration resistance (N-value) in blows per foot
NMR	No water level measurement recorded, primarily due to presence of drilling fluid
NSR	No sample retrieved; classification is based on action of drilling equipment and/or material noted in drilling fluid or on sampling bit
SH	Shelby tube sample; 3-inch outside diameter
SPT	Standard penetration test (N-value) using standard split-spoon sampler
SS	Split-spoon sample; 2-inch outside diameter unless otherwise noted
WL	Water level directly measured in boring
_▼	Water level symbol

### **SYMBOLS FOR LABORATORY TESTS**

<u>Symbol</u>	<u>Definition</u>
WC	Water content, percent of dry weight; ASTM:D2216
D	Dry density, pounds per cubic foot
LL	Liquid limit; ASTM:D4318
PL	Plastic limit; ASTM:D4318
QU	Unconfined compressive strength, pounds per square foot; ASTM:D2166

### **DENSITY/CONSISTENCY TERMINOLOGY**

Density		Consistency
<u>Term</u>	N-Value	<u>Term</u>
Very Loose	0-4	Soft
Loose	5-8	Firm
Medium Dense	9-15	Stiff
Dense	16-30	Very Stiff
Very Dense	Over 30	Hard
Loose Medium Dense Dense	5-8 9-15 16-30	Firm Stiff Very Stiff

### **DESCRIPTIVE TERMINOLOGY**

Term	<u>Definition</u>
Dry	Absence of moisture, powdery
Frozen	Frozen soil
Moist	Damp, below saturation
Waterbearing	Pervious soil below water
Wet	Saturated, above liquid limit
Lamination	Up to ½" thick stratum
Layer	½" to 6" thick stratum
Lens	½" to 6" discontinuous stratum

### **PARTICLE SIZES**

Term Boulder Cobble Gravel Coarse Sand Medium Sand	Particle Size Over 12" 3" – 12" #4 – 3" #10 – #4 #40 – #10
Silt and Clay	passes #200 sieve

### **GRAVEL PERCENTAGES**

Term	Range
A trace of gravel	2-4%
A little gravel	5-15%
With gravel	16-50%

### 3. PROPERTY ACCESS

### 3.1 - Air Service

The nearest public airport providing passenger service is Watertown Regional Airport, located 7.5 miles from Mallard Pointe Business Park. Travel time to this airport is 15 minutes. Daily passenger service to Chicago and Denver is provided by United Express, operated by SkyWest Airlines.

### 3.2 - Rail Service

The local rail service in the area is owned and operated by the Burlington Northern/Santa Fe (BNSF). The BNSF rail is a class 1 rail and runs mainly North and South through the center of Watertown. The mainline track is located 11 miles from Mallard Pointe Business Park. With no rail connectivity between them. See the next page for the South Dakota Rail map. The BNSF is a Class 1 rail carrier. This site does not currently have any connectivity to and spur lines, siding tracks or switch yards. See Attachment 3.2.A for a reginal rail line map

## 3.3 - Road Access

Mallard Pointe Business Park is served by three asphalt roadways with curb and gutter that are 45' wide that allow direct ingress and egress to remaining available parcels in the development as see in the maps earlier in this application. 33<sup>rd</sup> Street SE is the main roadway into the development that connects to Highway 212. 13<sup>th</sup> Avenue SE and 15<sup>th</sup> Avenue SE both connect to 29<sup>th</sup> Street SE. 29<sup>th</sup> Street is referred to as the Southern loop and connects to Highway 212, Highway 20 and Hwy 81 at different locations along the route.

Mallard Pointe Business Park is located in the southwest quadrant of the Interstate 29 and Highway 81 interchange. Interstate 29 is the closest 4 lane roadway to the development; the Interstate 29 interchange is located 0.55 miles (2,900 feet) from the south western corner of the development. Highway 212 is the closest two-lane highway to the development, through Watertown Highway 212 is a 4-lane highway. Highway 212 is 0.25 miles (1,300 feet) from the development.

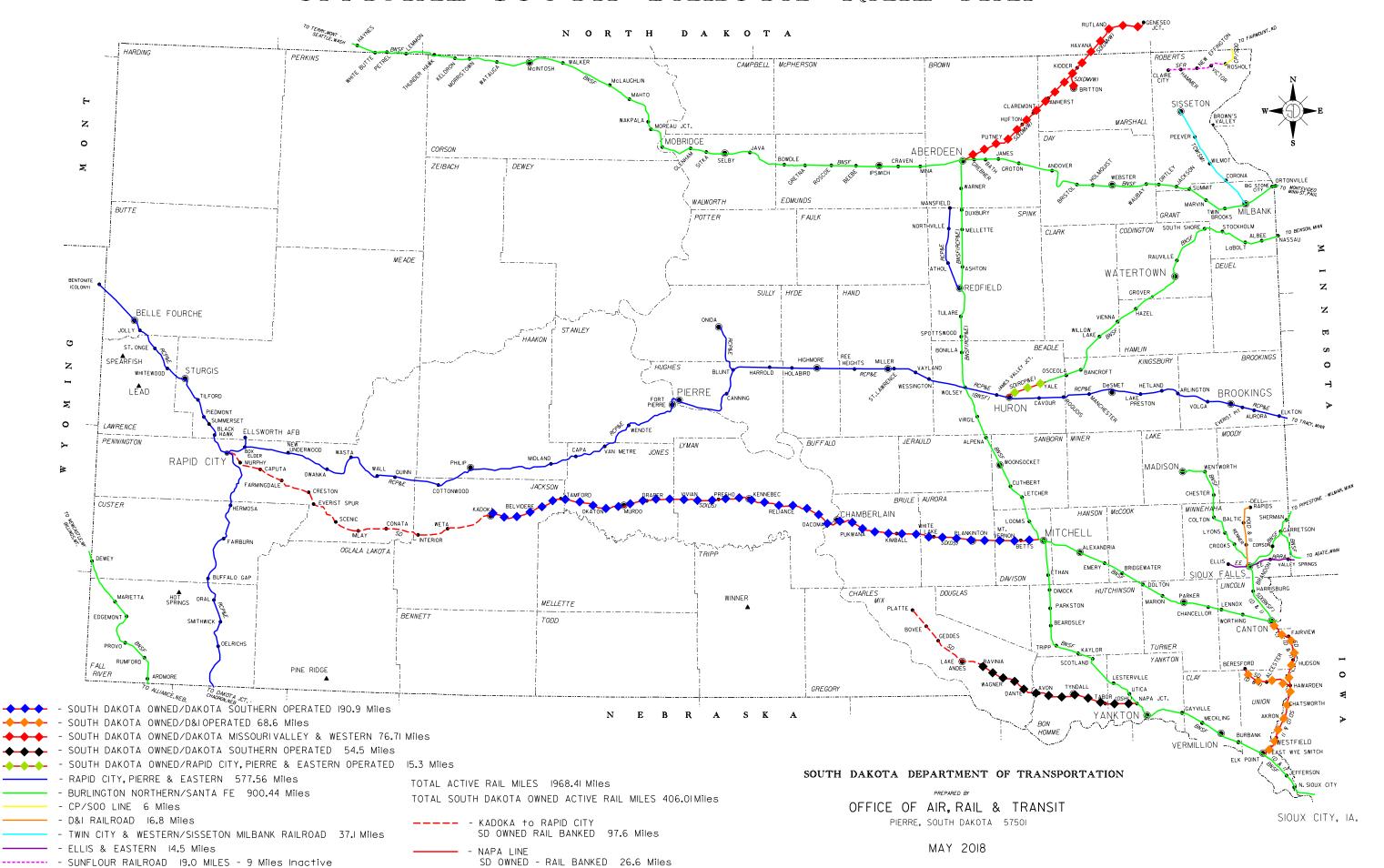
At this time there are no road improvements planned in or around the area of Mallard Pointe Business Park.

# 3.4 - Freight Service

The Watertown area is served by a number of national freight carriers including United Parcel Service (UPS), Federal Express Ground and Freight (Fed Ex) and Spee-Dee Delivery, XPO Logistics, YRC Freight, Old Dominion Freight.

There are a number of local and reginal freight and shipping services serving the Watertown area including Hartley Transportation Inc., Thompson Trucking, Freedom Enterprises, LLC, Hunkers Transfer, Walsh Trucking-Ww Inc, Britton Transportation, and Midwest Motor Express to name a few.

# OFFICIAL SOUTH DAKOTA RAIL MAP



### 4. UTILITY ACCESS

### 4.1 - Water

Watertown Municipal Utilities is the provider of treated water for the Mallard Pointe Business Park. The water main is looped in the Pheasant Ridge Development with sizes ranging from 8" up to 10". For the location of each size of water within the development refer to Attachment 4.A.

At this time there is no plans in place for improvements or update in this area. Watertown Municipal Utilities is open to conversations and has capacity to improve their water main distribution infrastructure to fit the needs of future buyers.

### 4.2 – Waste Water

The City of Watertown is the provider for wastewater collection for this development. The area is served by an 8" collection system. For the location of each size of sewer main within Mallard Pointe Business Park refer to Attachment 4.B.

The sanitary sewer in Mallard Pointe Business Park is in good condition, therefore, currently there is no plan to improve the sewer lines in Pheasant Ridge, improvements will occur as needed. The City budgets \$325,000 annually for sanitary sewer improvements and rehabilitates sewer lines throughout the community based on a prioritized list of sewers needing improvements.

# 4.3 – Electricity

Watertown Municipal Utilities is the provider for electricity with in the City limits of Watertown. The electricity in Mallard Pointe Business Park consists of both single phase and three phase power the single phase is 7,200 kilovolts and the three phase is 12,470 kilovolts. For the locations of the existing electrical lines and their proximity to specific lots refer to Attachment 4.C.

At this time there is no plans in place for improvements or update in this area. Watertown Municipal Utilities is open to conversations and has capacity to improve their electrical distribution infrastructure to fit the needs of future buyers.

### 4.4 - Natural Gas

Watertown Municipal Utilities is the provider for natural gas in Mallard Pointe Business Park. The gas mains that are located in the development are 2" to 4" 60-pound high pressure gas mains. The existing capacity in the development could serve most anything with the exception of an ethanol plant or a similar sized user. For the location of each size of natural gas pipe within the development refer to Attachment 4.D.

At this time there is no plans in place for improvements or update in this area. Watertown Municipal Utilities is open to conversations on improving their infrastructure depending on the needs of future buyers.

### MALLARD POINTE BUSINESS PARK

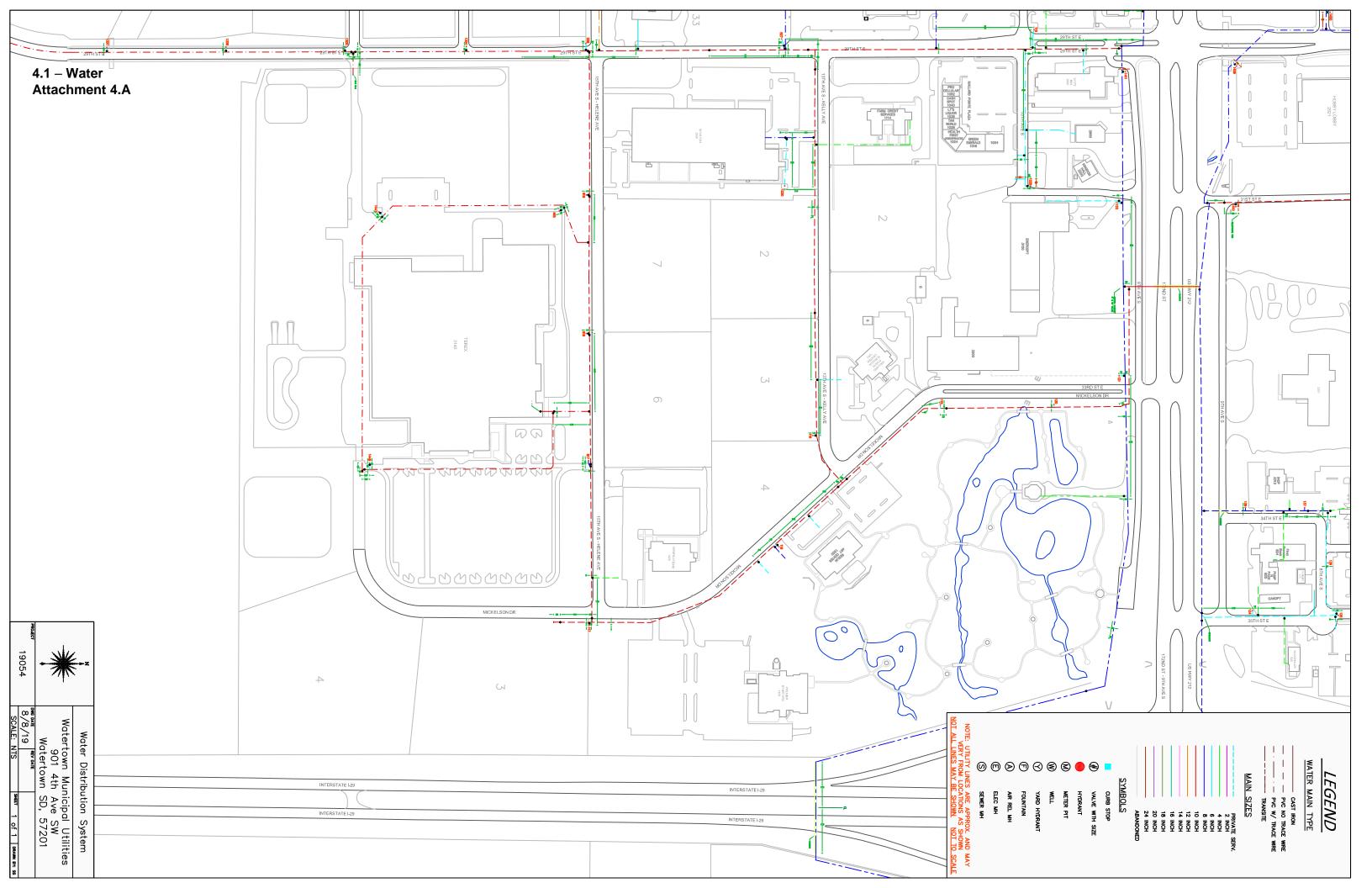
### 4.5 - Telecommunications

There are a several telecommunications companies that service the Watertown area and Mallard Pointe Business Park include Interstate Telecommunications Coop (ITC), Century Link, Midco, SDN Communications, and Vast Business. The types of lines in place range from coax to fiber optics with speeds up to 10 Gig. There is already infrastructure installed in the area.

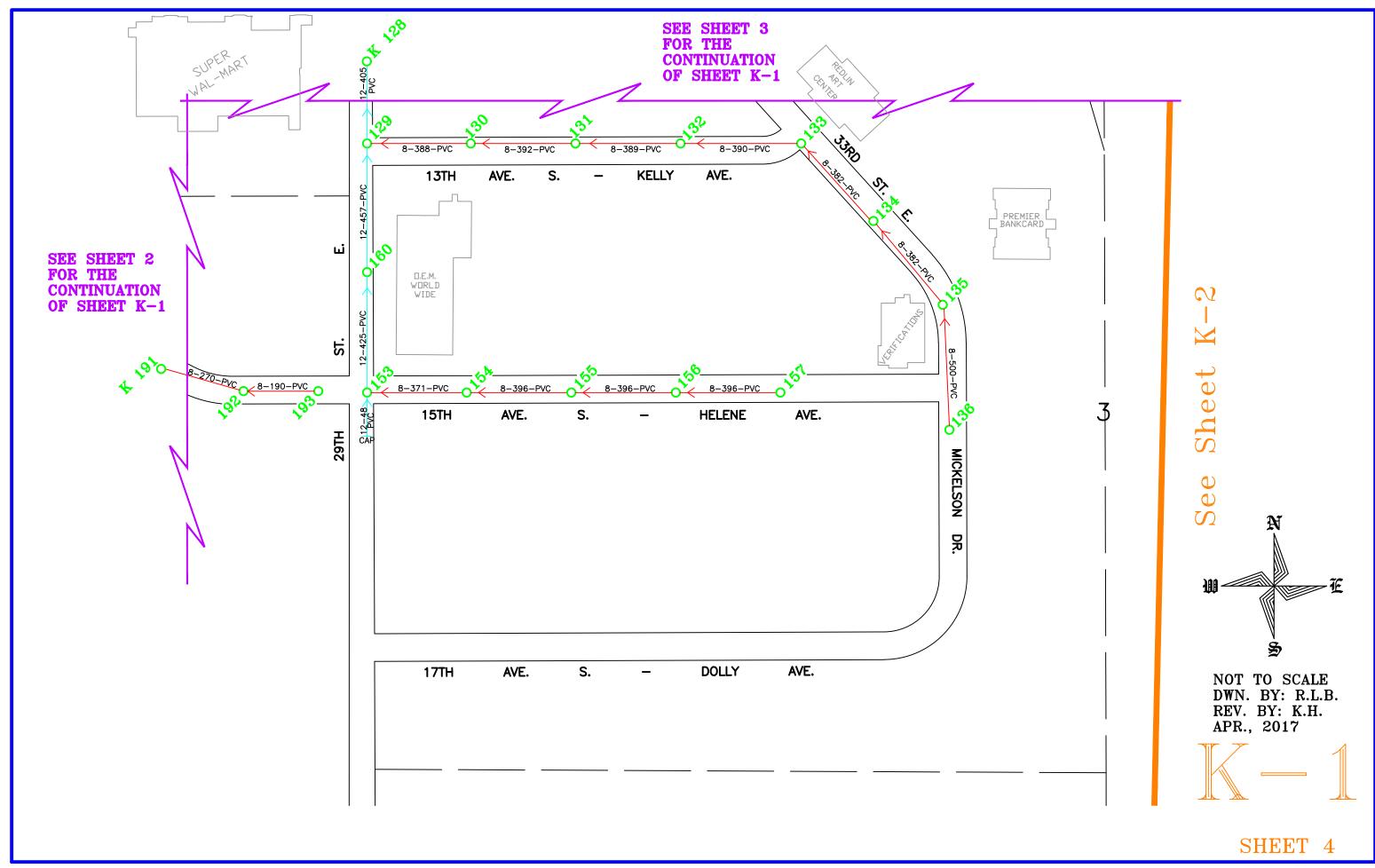
The companies listed above have no improvements planned at this time, but are ready to have discussions with future buyers on what they can provide to specific sites.

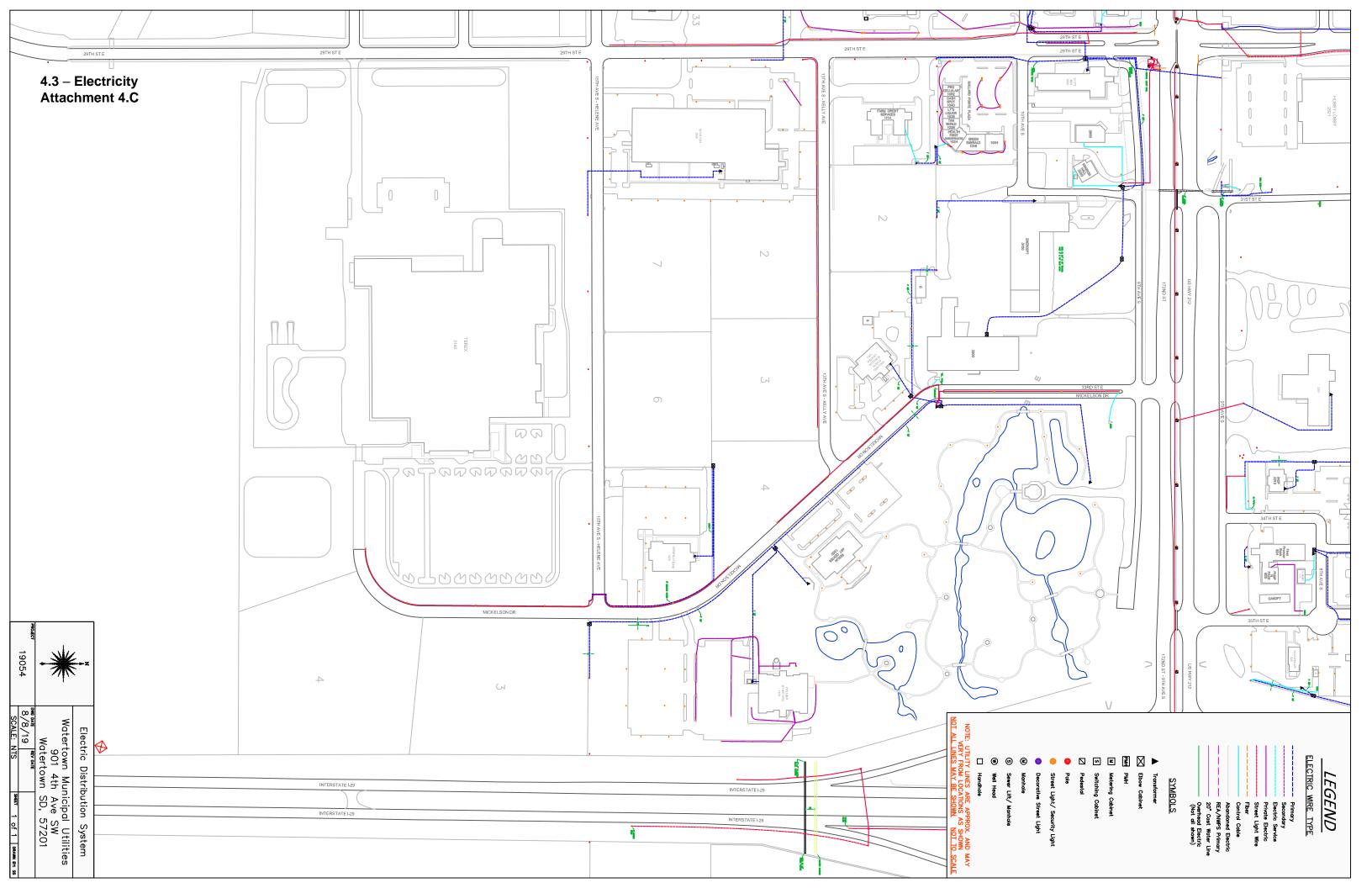
## 4.6 – Solid Waste Disposal

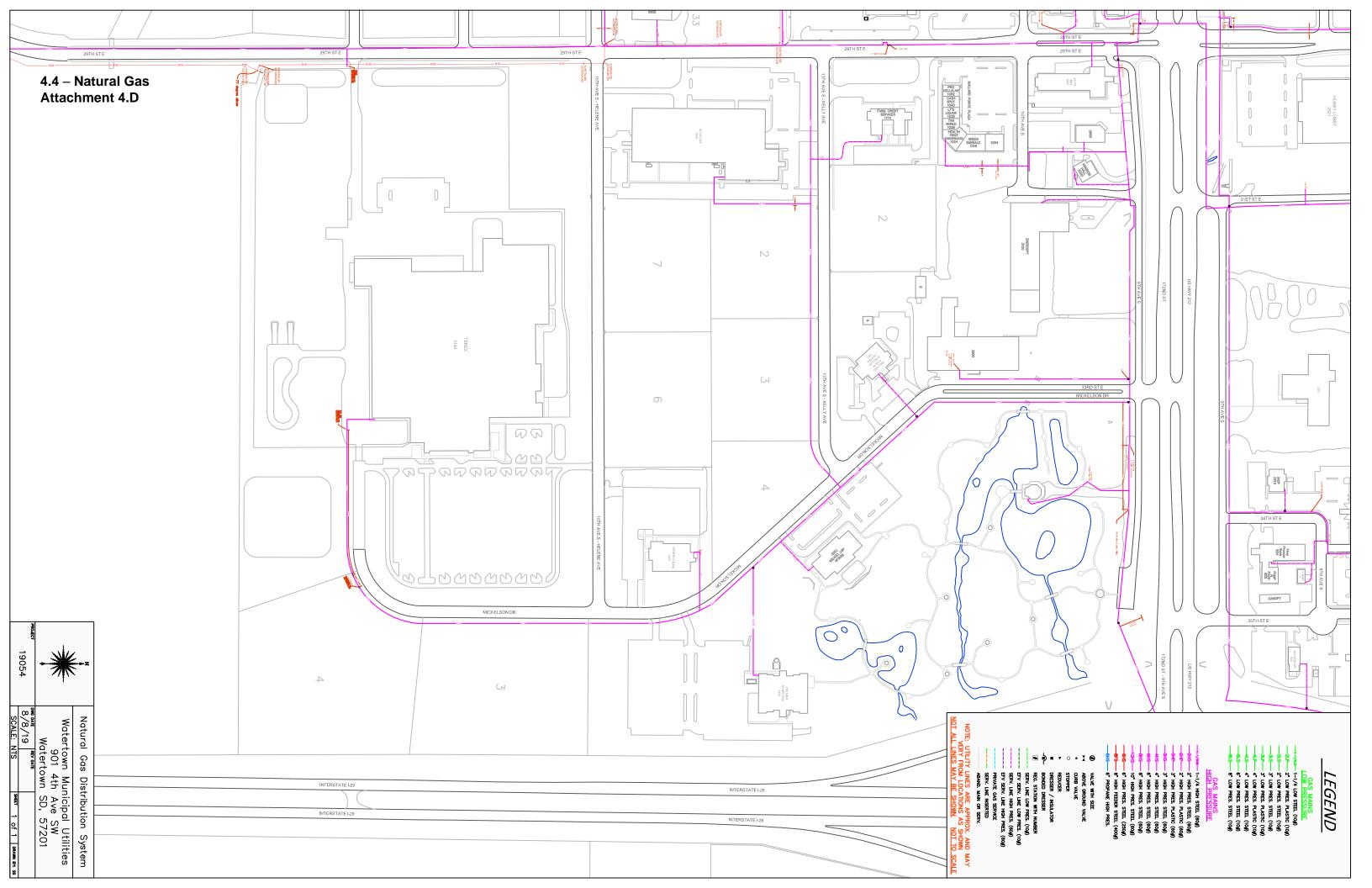
The Watertown Regional Landfill provides solid waste disposal to the surrounding area it is run by the City of Watertown. The Landfill projected life span (capacity) is approximately 38 to 40 years at current waste flows. The Landfill is a Subtitle D Municipal Solid Waste Landfill, it accepts municipal solid waste (garbage), rubble, yard waste, trees and it recycles appliances and residential E-waste. It does not accept hazardous waste, tires, batteries or liquid waste.



4.2 – Waste Water Attachment 4.B







# DECLARATION OF COVENANTS, CONDITIONS AND RESTRICTIONS TO RUN WITH THE LAND

In order to establish a general plan for the improvement and orderly development of property in Codington County, South Dakota, described as:

Interstate Office Addition to the Municipality of Watertown except the North 108.41 Feet of Lot 3 (measured along the West boundary and running parallel with the North boundary thereof), in Block 1 thereof.

the Watertown Development Company (hereinafter referred to as WDC or Declarant) does hereby impose the following covenants, restrictions and conditions on the real property hereinbefore and such covenants, restrictions and conditions shall be binding on the undersigned, Grantees of the undersigned, successors in interest, heirs and assigns or subsequent transferees or anyone who in whatever manner acquires any of the real property described above and the declaration of covenants, conditions and restrictions are as follows.

### I. PURPOSE AND APPLICATION

The purpose of these restrictions is to protect the substantial investment of Declarant, its joint venture partners and purchasers and developers of property, by assuring that the area will be developed and maintained with high standards for quality and aesthetics, to insure proper development and use of said property, to prevent the erection on said property of structures built of improper design or materials, to encourage the erection of attractive improvements as appropriate locations, to prevent haphazard and inharmonious improvements, to secure and maintain proper setbacks from streets and adequate free spaces between structures, and in general to provide adequately for a high type and quality of improvement of said property in accordance with general plan.

Said property shall be held, conveyed, rented, leased, encumbered, used, occupied and improved subject to the conditions, covenants, restrictions and limitations hereinafter set forth, which shall bind all parties having or acquiring any right, title or interest in said property or any part thereof, and shall apply to and bind the heirs, assignees and successors in right, title or interest thereof.

#### II. DEFINITIONS

### A. Declarant

"Declarant" refers to Watertown Development Company (WDC) and its Joint Venture Partners. Any approval required of Declarant shall come from the Joint Venture Committee established by previous agreement, and as such agreement may be from time to time amended.

### B. Site

"Site" shall mean any lot, or portion thereof, or two or more contiguous lots or portions thereof, or a parcel of land upon which a building or buildings and appurtenant structures including landscaping may be erected in conformance with the requirements of these restrictions.

### C. Improvements

"Improvements" shall mean and include buildings, underground installations, out-buildings, parking areas, loading areas, driveways, trackage, fences, walls, landscaped areas and/or mass plantings, illumination facilities, poles, signs and any structures of any type or kind.

### D. Setback Area

"Setback area" shall mean all that area between the setback line and its respective side, rear, or street property line.

# III. REGULATION OF IMPROVEMENTS

## A. Site Coverage

No more than fifty percent (50%) of the surface area of any site shall be devoted to the erection and/or placement of structures, unless approved in writing by Declarant. A structure shall include all buildings and other installations having a self supported roof and/or sidewalls.

## B. Minimum Setbacks

Minimum setback requirements are consistent with requirements listed in the Business Park District Zoning ordinance. Zoning setbacks shall be minimums only and the final determination shall be made in connection with the "approval of plans" as set forth in paragraph IV hereunder considering the lot and the site coverage set forth in paragraph A above.

### C. Completion of Construction

After commencement of construction of any structure, the owner shall diligently prosecute the work thereon, to the end that the structure shall not remain in a partly finished condition any longer than reasonably necessary for completion thereof. Construction of any improvements shall be substantially completed within one year from the date construction starts unless written extension is granted by Declaring.

### D. Excavation

No excavation shall be made except in connection with construction of improvements; and upon completion thereof exposed openings shall be backfilled and compacted, and disturbed ground shall be graded and leveled.

### E. Landscaping

- 1. Every site on which a building shall have been placed be landscaped according to plans and specifications approved by Declarant as specified herein and maintained thereafter in a sightly and well kept condition.
- 2. The area between the building walls and the site's property lines, as well as all unpaved and adjoining street right-of-way areas (the area between the property line adjoining any street and the street curb line), shall be used exclusively for the planting and growing of trees, shrubs, lawns, and other ground covering or material as approved by Declarant, except for such portions thereof as may be reasonably required for service access either to the buildings or parking and loading areas constructed on the site.
- 3. Where pavement occurs between the building and any street frontage property line for the purposes of parking or loading, then the pavement shall be separated by a minimum of twenty-five (25) feet from the said street frontage property line. The area between the pavement and the curb line of the street shall be suitably landscaped as determined by the Declarant.
- 4. Where paving occurs adjacent to any side property line a minimum of five feet of landscaping shall be provided along that side property line.
- 5. Landscaping as approved by Declarant shall be installed within sixty (60) days of occupancy or completion of the building, whichever occurs first. If the time occurs during the winter months, then the landscaping shall be completed by June 15th.

- 6. All unused and non-landscaped land area that is planned for future building expansion or other purpose shall be maintained and kept free of weeds, other unsightly plant growth, rubbish and debris.
- 7. A fully operational automatic underground landscape irrigation system shall be provided adjacent to all buildings.

### F. Barriers

No fence, wall, hedge, mass planting or other barrier shall be allowed to extend beyond the setback lines established herein except upon approval of plans and specifications as set forth herein.

### G. Signs

- 1. No billboard or advertising sign shall be permitted, other than the following:
  - (a) Those identifying the name, business and products of the person or firm occupying the premises; and
  - (b) Those offering the premises for sale, lease or rent and having specific, prior written approval by Declarant.
- 2. Signs and identification on buildings or building sites shall only be of such size, design, content, illumination, color and placement as specifically approved in writing by Declarant. No sign shall be substituted, changed or modified without prior written consent of Declarant.

## H. Parking and Loading Areas

- 1. All present and future vehicle parking, including employee, visitor, truck and trailer parking, shall be provided on the site. There shall be no on-street parking. All parking, trucking and loading areas are to be paved to provide dust-free, all weather surfaces. No parking, trucking or loading areas shall be developed within the minimum setback area, unless approved by Declarant. Parking areas developed between a building and any street may be permitted provided that they are separated by landscaping.
- 2. Provisions shall be made for adequate parking space based on the use of the building to be consistent with existing city ordinance.
  - (a) Where more than 20,000 square feet of parking are required, there shall be intermittently spaced landscape islands or other features approved by Declarant for aesthetic visibility.

3. Loading docks generally will not be approved on a street frontage. When approved by Declarant, they shall be generously set back and screened by landscaping or other means, when possible, to minimize the visual effect from the street.

## I. Storage and Refuse Areas

- 1. No materials, supplies, equipment, including company owned or operated trucks, or refuse, including trash containers, shall be stored or kept in any areas on a site except inside a closed building or behind a visual barrier screening such areas from the view of adjoining properties and the street, which barrier shall be at least six (6) feet in height. Such outside storage and barriers shall be permitted on the site only with the prior written approval of Declarant.
- 2. Any storage and refuse areas screened by visual barriers shall be located on the rear or side portions of the site, and not in the area between structures and the street property line.
- 3. No junk, scrap, rubbish, trash, litter or refuse shall be deposited or permitted to remain or accumulate on any site or portion thereof which will detract from its neat and orderly appearance. All such rubbish, trash, litter or refuse shall be kept in sanitary containers.

# J. Building Materials and Regulations

- 1. Exterior walls of any structure shall be as approved by Declarant as hereinafter set forth, however, it shall be as follows:
  - (a) Brick shall be of a size, type, texture, color and placement as shall be approved by Declarant.
  - (b) Stone shall have a weathered face or shall be polished, fluted, or broken face to be approved by Declarant.
  - (c) Concrete masonry units shall be those generally described as "Customized Architectural Concrete Masonry Units" or shall be broken faced brick-type units with marble aggregate, in either case to be approved by Declarant. All concrete masonry units shall be coated with a coating approved by Declarant, and there shall be no exposed concrete block on the exterior of any building unless approved by Declarant.
  - (d) Concrete may be poured in place, tilt-up, or precast, and shall be finished in stone, textured, or coated in a manner to be approved by Declarant and shall have a minimum life expectancy of 10 years.

- (e) Similar or superior materials as approved by Declarant.
- (f) Metal siding may be used only with specific written approval of the Declarant and only in combination with one of the above materials and such approval will be granted only upon consideration of the total plan, the other material to be used and the total visual impact of the facility.

Specific written approval for the type of roofing material to be used upon any structure must be obtained from the Declarant.

- 2. Roofs, or portions thereof, will not be permitted so as to be visible from the street(s) or from buildings on other sites unless approved by Declarant.
- 3. All electrical and mechanical apparatus equipment, fixtures (other than lighting fixtures), conduit, ducts, vents, flues and pipes mounted or placed on the roof surface, or extending above the roof line of any building or structure, or located on the exterior of any building or structure, shall be concealed from view from the street(s) and from buildings on other sites in an architecturally treated manner approved by Declarant. Where building design and/or street elevations make the foregoing impractical, Declarant may grant specific written approval of other measures which would minimize the visual effects as viewed from the street(s) and buildings on other sites.
- 4. All on site electrical, telephone and other utility lines shall be underground, and shall not be exposed on the exterior of any structure, unless approved in writing by Declarant.
- 5. No building or structure of any kind constructed on the site shall exceed the height of 40 feet above the established building grade for the site without prior written approval of Declarant.

### K. Variances

Where, because of lot size, shape or location, building design or intended use, or other factors in the judgment of Declarant a variance is needed from any of the requirements in this Section (III), Declarant reserves the right to do so in writing. Any variance must be in writing, and when given shall be binding on all parties including existing and future property owners.

### IV. APPROVAL OF PLANS

No improvements, as that term is hereinabove defined, shall

be erected, placed, altered, maintained or permitted to remain on any land subject to these restrictions nor shall building or other permits be secured until plans and specifications showing plot layout and all exterior elevations, with materials and colors thereof and structural design, signs, parking and loading areas, and landscaping, shall have been submitted to Declarant and approved in writing by Declarant. Such plans and specifications shall be submitted in writing over the signature of the owner of the site or his authorized agent. Approval shall be based, among other things, on adequacy of site dimensions; adequacy of architectural design; conformity and harmony of external design with neighboring structures; affect of location and use of improvements on neighboring sites, operations, improvements, and uses; relation of topography, grade and finished ground elevation of the site being improved to that of neighboring sites; proper facing of main elevation with respect to nearby streets; and conformity of the plans and specifications to the purpose and general plan and intent of these restrictions. Declarant shall not arbitrarily or unreasonably withhold its approval of such plans and specifications. Declarant will respond in no longer than 90 days after all necessary plan information has been submitted Declarant states that the property is being developed under a "Joint Venture Agreement" between Declarant and its Joint Venture Partners and the reviewing committee shall be the committee appointed by the parties to the Joint Venture. The reviewing committee may retain the services of a consultant as it determines necessary for such review.

Neither Declarant, its Joint Venture partner, nor its successors or assigns shall be liable in damages to anyone submitting plans to them for approval, or to any owner or lessee of land affected by this Declaration, by reason of mistake in judgment, negligence, or nonfeasance arising out of or in connection with the approval or disapproval or failure to approve any such plans. Every person who submits plans for approval hereunder agrees, by submission of such plans, and every owner or lessee of any of said property agrees, by acquiring title thereto or interest therein, that he will not bring any action or suit against Declarant to recover any such damages.

If no objection to the design or construction has been raised within one year of the date of completion of the structure, it will be deemed to have satisfied the requirements of this paragraph.

#### V. REGULATIONS OF USES

### A. Permitted Uses

Permitted uses shall be office buildings; offices; art centers; museums; conference centers; convention centers; exhibit halls; performing arts and entertainment facilities; medical and health related facilities; hotels or motels; research and development facilities; restaurants with or without alcoholic beverages; light manufacturing such as assembly or related operations; and child care facilities.

Special exceptions to the permitted uses include retail establishments, recreational facilities and park areas.

Permitted uses shall have building design so that the operation and uses to which the building is intended do not cause or produce any of the following effects, discernible at any property line or affecting any adjacent property.

- 1. Noise, sound or vibrations that are objectionable due to intermittence, beat, frequency or shrillness.
  - 2. Obnoxious odors.
  - 3. Dust, dirt, fly ash, smoke or pollutants.
  - 4. Noxious, toxic or corrosive fumes or gases.
  - 5. Unusual fire or explosion hazard.
- 6. Sewage effluent that is obnoxious in nature or difficult to treat, as to either quantity or quality.

Declarant shall be the sole judge of whether uses are permitted and after approval of design and completion of construction, enforcement may be only if City, State or Federal standards are exceeded or violated.

### B. Prohibited Uses

The following uses shall not be permitted on any property subject to these restrictions unless such uses qualify under the procedure set forth herein after under the heading "Procedure for Reclassification":

- 1. Residential.
- 2. Mobile home parks or trailer courts, either temporary or permanent.

- 3. Labor camps.
- 4. Junk yards and vehicle or equipment disassembly, provided, however, that the foregoing does not prohibit vehicle maintenance operations done primarily within a building.
- 5. Drilling for and/or removal of oil, gas or other hydrocarbon substances.
- 6. Commercial excavation of building or construction materials or quarrying of any material.
  - 7. Distillation of bones.
- 8. Dumping, disposal, incineration or reduction of garbage, sewage, offal, dead animals, or refuse.
  - 9. Fat rendering.
  - 10. Stockyard or slaughter of animals.
  - 11. Refining of petroleum or of its products.
  - 12. Smelting of iron, tin, zinc or other ores.
- 13. Hog raising, cattle fattening, chicken farming or comparable uses.
- 14. Auctions or retail sales to the general public unless approved in writing by Declarant.
- 15. Any other uses of like kinds or character as set forth above or any other use determined by the Declarant to be incompatible with other uses in the land described hereinbefore.

## VI. ENFORCEMENT

### A. Abatement and Suit

Declarant or any owner or lessee to any portion of the property described hereinbefore may enforce these covenants, restrictions and conditions in any manner now or hereinafter allowed by law under the South Dakota Compiled Laws.

The result of every action or omission whereby any restriction herein contained is violated in whole or in part is hereby declared to be and to constitute a nuisance, and every

remedy allowed by law or equity against an owner in the case of a grant deed being annexed hereto, or lessee in the case of a leased annexed hereto, either public or private, shall be applicable against every such result and may be exercised by Declarant.

In any legal or equitable proceeding for the enforcement or to restrain the violation of this Declaration or any provisions hereof, the losing party or parties shall pay the attorney's fees of the prevailing party or parties, in such amount as may be fixed by the court in such proceedings. All remedies provided herein or at law or in equity shall be cumulative and not exclusive.

### B. Inspection

Declarant may from time to time at any reasonable hour or hours, enter and inspect any property subject to these restrictions to ascertain compliance therewith.

## C. Failure to Enforce Not a Waiver of Rights

With the exception of the time limit for action by the Declarant contained in Section IV hereof, the failure of Declarant or any property owner to enforce any restriction herein contained shall in no event be deemed to be a waiver of the right to do so thereafter nor of the right to enforce any other restriction.

### VII. MODIFICATION, REPEAL, EXTINGUISHMENT AND TERM

This Declaration of Covenants, Conditions and Restrictions shall be in effect for fifty years from the date hereof and shall run with the land and may be extended, amended or repealed only upon the signatures of the owners of 75 percent of the property hereinbefore described. To be effective, such extension, amendment or repeal must be duly recorded in the office of the Register of Deeds of Codington County, South Dakota.

# VIII. ASSIGNABILITY OF DECLARANT'S RIGHTS AND DUTIES

Any and all of the rights, powers and reservations of Declarant herein contained may be assigned to any person, corporation or association which will assume the duties of Declarant pertaining to the particular rights, powers and reservations assigned, and upon any such person, corporation or association's evidencing its consent in writing to accept such assignment and assume such duties, he or it shall, to the extent of such assignment, have the same rights and powers to be subject to the same obligations and duties as are given to and assumed by Declarant herein. The term "Declarant" as used herein, includes

all such assignees and their heirs, successors, and assigns.

### IX. CONSTRUCTIVE NOTE AND ACCEPTANCE

Every person who now or hereafter owns or acquires any right, title, estate or interest in or to any portion of said property is and shall be conclusively deemed to have consented and agreed to every covenant, condition, and restriction contained herein, whether or not any reference to this Declaration is contained in the instrument by which such person acquired an interest in said property.

### X. RIGHTS OF MORTGAGEES

All restrictions and other provisions herein contained shall be deemed subject and subordinate to all mortgages and deeds of trust now or hereafter executed upon land subject to these restrictions, and none of said restrictions shall supersede or in any way reduce the security or affect the validity of any such mortgage or deed of trust; provided, however, that if any portion of said property is sold under a foreclosure of any mortgage or under the provisions of any deed of trust, any purchaser at such sale, and his successors and assigns, shall hold any and all property so purchased subject to all of the restrictions and other provisions of this Declaration.

### XI. PARAGRAPH HEADINGS

Paragraph headings are inserted for convenience only and are not intended to be part of this Declaration or in any way to define, limit or describe the scope or intent of the particular paragraph to which they refer.

### XII. EFFECT OF INVALIDATION

If any provision of this Declaration is held to be invalid by any court, the invalidity of such provision shall not affect the validity of the remaining provisions hereof.

IN WITNESS WHEREOF, the undersigned has executed this Declaration of Covenants, Conditions and Restrictions to Run with the Land on this 15 day of DEE, 1997.

WATERTOWN DEVELOPMENT, COMPANY

STATE OF SOUTH DAKOTA ) : 55

COUNTY OF CODINGTON )

On Docember 15, 1997, before me, the undersigned officer, personally appeared Gany Williams and M. Elaine Dattle, known to me to be the President and Secretary of the Watertown Development Company that executed the within instrument, and also known to me to be the persons who executed it on behalf of the Watertown Development Company and further acknowledged to me that such company executed the within instrument pursuant to its By-Laws or a Resolution of its Board of Directors.

IN WITNESS WHEREOF, I hereunto set my hand and official

seal.

My Commission Expires

STATE OF SOUTH DAKOTA, COUNTY OF CODINGTON-SS

FILED THIS 10 + DAY OF March 1998 AT BOOK 4 I Page 547 - With Page

This instrument prepared by: Robert J. Wagner, Attorney at Law, P.O. Box 153, Watertown, SD 57201; 605-886-4451.