WENCK File 0658-0025
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Phase I Environmental Site Assessment

Dry Milling Plant
606 6th Avenue West
Cresco, Iowa

Prepared for:

Gray Plant Mooty

500 IDS Center
80 South Eighth Street
Minneapolis, MN 55402

WENCK
Responsive partner.
Exceptional outcomes.

Prepared by:

WENCK Associates, Inc.
1800 Pioneer Creek Center
Maple Plain, MN 55359
Phone: 763-479-4200

Table of Contents

1.0 SUMMARY 1-1

2.0 INTRODUCTION 2-1

2.1 Purpose 2-1
2.2 Scope 2-1
2.3 Deviations 2-2
2.4 Limitations and Exceptions 2-3
2.5 Significant Assumptions 2-3
2.6 Special Terms and Conditions 2-3
2.7 User Reliance 2-3

3.0 SITE DESCRIPTION 3-1

3.1 Use of Subject Property 3-1
3.2 Current Use of Adjoining Properties 3-2
3.3 Physical Setting 3-2
3.3.1 Topography 3-2
3.3.2 Geology 3-2
3.3.3 Hydrogeology 3-2

4.0 USER PROVIDED INFORMATION 4-1

4.1 Title Record Information 4-1
4.2 User Questionnaire 4-1
4.2.1 Environmental Liens or Activity and Use Limitations 4-1
4.2.2 Specialized Knowledge 4-1
4.2.3 Commonly Known or Reasonably Ascertainable Information 4-1
4.2.4 Valuation Reduction for Environmental Reasons 4-1
4.3 Owner, Property Manager and Occupant Information 4-1
4.4 Reason for Performing Phase I ESA 4-1

5.0 RECORDS REVIEW 5-1

5.1 Standard Environmental Record Sources 5-1
5.1.1 Subject Property 5-1
5.1.2 Surrounding Properties 5-1
5.2 Additional Record Sources 5-3
5.2.1 Howard County Tax Information 5-3
5.2.2 Local Building Records Review 5-3
5.3 Historical Use Information 5-3
5.3.1 Aerial Photographs 5-3
5.3.2 City Directories 5-5
5.3.3 Historical Maps 5-5
5.3.4 Fire Insurance Maps 5-5
5.4 Previous Environmental Reports 5-6
5.4.1 2018 Report 5-6

6.0 SUBJECT PROPERTY 6-1

6.1 Subject Property Observations 6-1

Table of Contents (Cont.)

6.1.1 Materials Management 6-1
6.1.2 Solid and Hazardous Waste Management 6-2
6.1.3 Aboveground and Underground Storage Tanks (ASTs/USTs) 6-2
6.1.4 Interior and Exterior Surface Observations 6-2
6.1.5 Pits, Sumps, Oil-Water Separators and Floor Drains 6-2
6.1.6 Wastewater and Stormwater Discharge Systems 6-2
6.1.7 Wells, Drywells and Lagoons 6-3
6.1.8 Polychlorinated Biphenyls (PCBs) and Oil-Containing Equipment 6-3

7.0 INTERVIEWS 7-1

7.1 Interview with Subject Property Representative 7-1
7.2 Interview with Local Government Official 7-1

8.0 EVALUATION 8-1

8.1 Data Gaps 8-1
8.2 Identified Findings 8-1
8.3 Opinions 8-1
8.4 Conclusions 8-2

9.0 NON-SCOPE CONSIDERATIONS 9-1

10.0 REFERENCES 10-1

11.0 SIGNATURE PAGE 11-1

12.0 QUALIFICATIONS 12-1

Table of Contents (Cont.)

FIGURES

1 Site Location Map
2 Site Detail Map

APPENDICES

A User Questionnaire
B GeoSearch Radius Report
C County/City Information
D Aerial Photographs
E Historical Maps
F Fire Insurance Map Research Document
G Previous Environmental Reports
H Subject Property Photographs
I Research Summary

1.0 Summary

Wenck Associates, Inc. (Wenck) was authorized by Gray Plant Mooty to conduct this Phase I Environmental Site Assessment (ESA) of the property and improvements located at 616 6th Avenue West, Cresco, Howard County, Iowa (the Subject Property). The Subject Property consists of 3.31 acres occupied by three industrial warehouse/office buildings, one shed, three grain hoppers, leg towers and conveyors, with paved parking lot and drive areas and landscaped areas. Access to the Subject Property is from 6th Avenue West from the south. The Subject Property location is depicted in Figure 1. A Site Detail Map of the Subject Property is included as Figure 2.

This ESA was conducted in accordance with the American Society for Testing and Materials (ASTM) Phase I Environmental Site Assessment Process, Designation E-1527-13 (ASTM Phase I Standard) and satisfies standards and practices set forth in 40 CFR Part 312 – Standards for Conducting All Appropriate Inquiry (AAI Rule) for the purposes of meeting the all appropriate inquiries provisions necessary to qualify for certain landowner liability protections under the Comprehensive Environmental Response, Compensation and Liability Act, 42 U.S.C. § 9601(35)(B).

Wenck understands Pipeline Foods is considering purchasing the Subject Property. The conclusions contained in this report have been made to assist Gray Plant Mooty in evaluating environmental conditions at the present time at the Subject Property.

This ESA has identified no evidence of recognized environmental conditions, controlled recognized environmental conditions or historical recognized environmental conditions in connection with the Subject Property.

2.0 Introduction

2.1 PURPOSE

Wenck was authorized by Gray Plant Mooty to conduct this Phase I ESA of the property and improvements located at 616 6th Avenue West, Cresco, Howard County, Iowa; the Subject Property. The Subject Property consists of 3.31 acres occupied by three industrial warehouse/office buildings, one shed, three grain hoppers, leg towers and conveyors, with paved parking lot and drive areas and landscaped areas. Access to the Subject Property is from 6th Avenue West from the South. The Subject Property location is depicted in Figure 1. A Site Detail Map of the Subject Property is included as Figure 2.

Wenck understands Pipeline Foods is considering purchasing the Subject Property. The conclusions contained in this report have been made to assist Gray Plant Mooty in evaluating environmental conditions at the present time at the Subject Property. In addition, the report is intended to satisfy the requirements of "all appropriate inquiry… consistent with good commercial or customary practice" referenced in the Comprehensive Environmental Response, Compensation and Liability Act, 42 U.S.C. § 9601(35)(B).

2.2 SCOPE

This ESA was prepared in accordance with the ASTM Phase I Standard and AAI Rule to identify, to the extent feasible and in accordance with the processes described herein: recognized environmental conditions, controlled recognized environmental conditions, and historical recognized environmental conditions in connection with the Subject Property.

As defined in ASTM E 1527-13, the term recognized environmental condition (REC) means "the presence or likely presence of any hazardous substances or petroleum products in, on or at a property: (1) due to a release to the environment; (2) under conditions of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment."

As defined in ASTM E1527-13, the term controlled recognized environmental condition (CREC) means "a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls."

As defined in ASTM E1527-13, the term historical recognized environmental condition (HREC) means "a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls."

As defined in ASTM E1527-13, the term business environmental risk means "a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice."

A summary of the general scope of work for this project is described in the following tasks:

- Task I. Records Retrieval and Review of Records: Wenck obtained publicly available, practically reviewable and reasonably ascertainable federal, state, county and city information about the Subject Property and other properties within minimum established search distances of the Subject Property. These sources were searched for any information about RECs, CRECs, HRECs or business-related environmental risks relative to the Subject Property. This search included a review of Superfund sites; waste treatment, storage and disposal facilities regulated under RCRA; spills or discharges of hazardous substances, toxic materials or petroleum products; and known or recorded landfills; and/or well databases.

- Task II. Site Reconnaissance: Wenck visually inspected the Subject Property to evaluate the Subject Property for any RECs, CRECs, HRECs and business-related environmental risks. The structures and grounds of the Subject Property were observed for filling, subsidence, unusual land or surface forms, colorations, odors, indications of dumping, and evidence of suspect environmental features on the Subject Property such as tanks, drains, drywells, etc. Observations pertaining to adjacent property use were also recorded where such observations pertained to RECs, CRECs, HRECs or business-related environmental risks relative to the Subject Property.

- Task III. Interviews of People with Knowledge of the Subject Property: Wenck interviewed people with knowledge of the history of the Subject Property and of the surrounding properties. Interviews were completed in order to obtain information pertaining to RECs, CRECs or HRECs relative to the Subject Property. Interviewees included the Subject Property owner(s) and occupant(s), as well as local government officials.

  Data gathered in the course of performing the above three tasks was used in concert to determine if information from one source indicated the need for additional information from another source.

- Task IV. Reporting: Wenck completed this Phase I ESA by combining the information retrieved through data searches with the observations that were made during the Subject Property reconnaissance and interviews. Photographs were taken to document the overall status and current use of the Subject Property and specific areas of concern.

Any deviations from the scope described in the ASTM Phase I Standard are identified in Section 2.3.

2.3 DEVIATIONS

No intentional deviations from the ASTM Phase I Standard were made in preparing this report.

2.4 LIMITATIONS AND EXCEPTIONS

The results of this study, performed by Wenck, are based on the scope of work defined in Section 2.2, subject to any project-specific limitations or project-specific additional non-scope considerations described herein.

As is the case with any investigation of finite scope, this review is intended to reduce, but cannot eliminate, the uncertainty regarding the potential for RECs, CRECs or HRECs in connection with the Subject Property. Therefore, the possibility of the presence of some localized substances that may be classified as hazardous cannot be ruled out completely. However, it is Wenck's opinion that the conditions observed at the Subject Property are representative of existing conditions at the time of the site reconnaissance.

2.5 SIGNIFICANT ASSUMPTIONS

Wenck assumes that the Subject Property Representative and Gray Plant Mooty have provided accurate information that will assist Wenck in determining appropriate inquiry, including but not limited to actual knowledge, previously prepared reports, environmental cleanup liens, and title review information. In addition, Wenck assumes, for the purposes of the site reconnaissance, adequate information has been provided to accurately establish the physical boundaries of the real property being evaluated.

2.6 SPECIAL TERMS AND CONDITIONS

The purpose of this report is to aid in the environmental assessment of the Subject Property and not to evaluate the structural condition of buildings or other features of the Subject Property.

Wenck has performed its work in a manner consistent with the care and skill ordinarily exercised by members of the environmental profession. The conclusions contained in this report represent our professional opinions. These opinions were arrived at in accordance with currently accepted engineering practices at this time and location.

Wenck assumes no responsibility for the accuracy of information that was obtained from other sources, including, without limitation, regulatory and government agencies, persons knowledgeable about the Subject Property, persons knowledgeable about adjacent properties and vendors of public practice.

2.7 USER RELIANCE

This report has been prepared solely for the information and use of Gray Plant Mooty and Pipeline Foods. Others wishing to rely on the findings of this report, not having a contractual relationship with Wenck, do so without permission and at their own risk. Our professional recommendations made to the addressee(s) are exclusive to that party's disclosed intended or proposed consideration with respect to the Subject Property at the present time.

3.0 Site Description

3.1 USE OF SUBJECT PROPERTY

The Subject Property is located in a commercial/industrial, agricultural and residential area in the City of Cresco, Iowa.

Site Address/Location	Address: 616 6th Avenue West		City: Cresco
	County: Howard		State: Iowa
	Township:	Range:	Section:
	99 North	11 West	22
Property Information	Size: 3.31 acres		
	Property Identification Number:		
	321592200090000		
Improvements	The Subject Property has three industrial warehouse/office buildings, one shed, three grain hoppers, leg towers and conveyors, with paved parking lot and drive areas and landscaped areas.		
Building Information	Size:		Year of Construction:
	Warehouse/Office ~19,576 sqft		1993, additions in 1993, 2002, 2004, 2012
	Outbuilding/Office ~800 sqft		2002
	Outbuilding/Office ~966 sqft		2012
	Bucket Conveyor		2012
	Pneumatic Conveyors		2002, 2012
	Leg Towers		2012
	Hopper Bin – 20,000 Bushels		2012
	(2) Hopper Bins – 3,700 Bushels		2012
	Shed ~ 140 sqft		2013
	Description:		
	The Subject Property has three, one-story, steel warehouse buildings constructed in 1993 (industrial warehouse building), 2002 (detached electrical building) and 2012 (detached electrical building). The industrial warehouse has a second-floor and a third-floor mezzanine. The Subject Property also contains eight silos, three hopper bins, two pneumatic conveying systems, one bucket conveyor, one leg tower, and one shed, all of which are located at the northeast portion of the property. The remaining portions of the Subject Property are covered with the associated paved parking areas, lawn areas, and landscaping.		
Use of the Property	Current Use:		
	The Subject Property is a commercial/industrial dry milling facility.		
	Past Use:		
	According to reviewed sources of information, the Subject Property was undeveloped land in agricultural use from at least 1937 until 1993, when the currently existing commercial building was		

	constructed.
Ownership and Operation of the Property	Current Ownership & Operation: The Subject Property is owned by Sun Rich Incorporated and occupied by SunOpta Grains & Foods. SunOpta has occupied the Subject Property since at least 1995.

The Subject Property location is depicted in Figure 1. A Site Detail Map showing the Subject Property is provided in Figure 2.

3.2 CURRENT USE OF ADJOINING PROPERTIES

The following land uses were noted on adjoining properties:

Direction	Description
North	Commercial/industrial structures (Featherlite)
South	Residential structures (beyond 6th Avenue West)
East	Agricultural cropland
West	Commercial/industrial structures (Featherlite)

3.3 PHYSICAL SETTING

3.3.1 Topography

The Subject Property is generally level and is at an elevation of approximately 1,285 feet above mean sea level. Site surface drainage is to the northwest towards the municipal stormwater drainage system associated with the City of Cresco, Iowa. Historic development may have included grading or filling of the Subject Property to improve the location for construction and drainage.

3.3.2 Geology

Published references describe the surficial geology at the Subject Property as Devonian Formations of dolomite and limestone of the Cedar Valley Group characterized by slightly argillaceous dolomite and dolomitic limestone, commonly fossiliferious and vuggy, and partially laminated (IGS, 2008).

Shallow bedrock in the vicinity of the Subject Property consists of the Devonian Formations of dolomite and limestone (IGS, 2008).

3.3.3 Hydrogeology

The general direction of regional groundwater flow in the area of the Subject Property is presumed to be to the north-northeast toward Silver Creek. Local conditions may vary due to surface water features, perched groundwater conditions or artificially created drainage systems.

4.0 User Provided Information

4.1 TITLE RECORD INFORMATION

A title commitment record for the Subject Property was not provided to Wenck during preparation of this Phase I ESA, and a title search was not within the scope of this ESA.

4.2 USER QUESTIONNAIRE

User provided information includes a copy of the ASTM User Questionnaire completed by Ms. Erin Heitkamp, Managing Director-Strategy, Sustainability & Assurance of Pipeline Foods. The following sections include the information obtained from the completed User Questionnaire, which is included in Appendix A.

4.2.1 Environmental Liens or Activity and Use Limitations

No independent review of environmental liens was undertaken by Wenck as a part of this scope of work. Pipeline ordered and is reviewing title insurance commitments for the Subject Property.

4.2.2 Specialized Knowledge

Prior assessments regarding the Subject Property were provided by Gray Plant Mooty during preparation of this ESA (See Section 5.4). In addition, see Section 6.0 and Section 7.0 for specialized knowledge regarding the Subject Property.

4.2.3 Commonly Known or Reasonably Ascertainable Information

Commonly known or reasonably ascertainable environmental information was found relevant to this study, which is discussed throughout this ESA.

4.2.4 Valuation Reduction for Environmental Reasons

No valuation reduction for environmental reasons was disclosed at the outset of this study.

4.3 OWNER, PROPERTY MANAGER AND OCCUPANT INFORMATION

The Subject Property is owned by Sun Rich and occupied by SunOpta. The Subject Property Representatives, Ms. LaVerne Klecker, SunOpta Grain Manager, and Ms. Julie Dietzenbach, SunOpta Plant Manager, provided access and a tour of the Subject Property.

4.4 REASON FOR PERFORMING PHASE I ESA

Wenck understands Pipeline Foods is considering purchasing the Subject Property. This Phase I ESA is being performed as a component of due diligence activities and to determine whether RECs, CRECs or HRECs affect the Subject Property.

5.0 Records Review

5.1 STANDARD ENVIRONMENTAL RECORD SOURCES

Wenck requested and reviewed a search of files from federal and state databases from GeoSearch for the Subject Property (the GeoSearch Radius Report). Files were searched from Federal and State environmental records databases within minimum search distances as specified in the ASTM Phase I Standard, and the GeoSearch Radius Report included a more extensive database list than those minimally identified as required by the ASTM Phase I Standard. A summary of the sites identified in the GeoSearch Radius Report are discussed below, along with information regarding the significance of the listing for the Subject Property. The GeoSearch Radius Report, which contains more information regarding database descriptions and search distances, is included in Appendix B.

5.1.1 Subject Property

The Subject Property was identified on the following reviewed regulatory databases in the GeoSearch Radius Report for Integrity Mills:

Facility Registry System (FRSIA) database

- The FRSIA database that identifies facilities, sites or places subject to environmental regulations. These listings are not considered to represent RECs, CRECs or HRECs for the Subject Property based on the type of database

Wenck did not review State/County/City files for these database listings because sufficient information was available from other sources to determine the potential for RECs, CRECs and/or HRECs at the Subject Property.

5.1.2 Surrounding Properties

Additional mapped sites of regulatory interest identified within the search radii defined by the ASTM Phase I Standard, as identified in the GeoSearch Radius Report, include the following:

Number of Sites	Regulatory Database	Comments
1	Resource Conservation and Recovery Act - Generator Facilities (RCRAGR07) site	The RCRAGR07 site, identified as Feather0Lite Manufacturing, is located approximately 0.028 miles west of the Subject Property. The site is listed as a small quantity generator. There are multiple violations and one enforcement in 2008 related to container use and management, which has been resolved and the site is in compliance This listing is not considered to represent a REC, CREC or HREC for the Subject Property based on the type of database, permit status, and regulatory status.

Number of Sites	Regulatory Database	Comments
1	Brownfields Management System (BF) site	The BF site, identified as 114 2nd Avenue West, is located approximately 0.499 miles from the Subject Property in a sidegradient location with respect to anticipated groundwater flow direction. Based on the location, this listing is not considered a threat to soil, groundwater and/or soil vapor conditions at the Subject Property, and, therefore, is not considered to represent a REC, CREC or HREC for the Subject Property.
4	Contaminated Sites (CS)	The nearest CS site, identified as Feather-Lite Manufacturing, is located adjacent to the west of the Subject Property. Wenck contacted the Iowa Department of Natural Resources (IDNR) Contaminated Sites Division, who states that this listing was either a site investigated for contamination prior to a likely real estate transaction and was found to have either no or minimal contamination issues. Based in the information provided by the IDNR, this listing is not considered a threat to soil, groundwater and/or soil vapor conditions at the Subject Property, and, therefore, is not considered to represent a REC, CREC or HREC for the Subject Property The remaining three CS sites are located at least 0.339 miles from the Subject Property. Based on distance, regulatory status of each site and the information provided in the GeoSearch Radius Report, these listings are not considered a threat to soil, groundwater and/or soil vapor conditions at the Subject Property, and, therefore, are not considered to represent RECs, CRECs or HRECs for the Subject Property.
6	Leaking Underground Storage Tank (LUST) sites	All six LUST sites are located at least 0.339 miles from the Subject Property and have been granted regulatory closure. Based on distance, regulatory status of each site and the information provided in the GeoSearch Radius Report, these listings are not considered a threat to soil, groundwater and/or soil vapor conditions at the Subject Property, and, therefore, are not considered to represent RECs, CRECs or HRECs for the Subject Property.
1	Solid Waste Facilities (SWF)	The SWF site identified, Regional Health Services of Howard County is located over ¼ mile from the Subject Property and is not considered to represent a REC, CREC or HREC for the Subject

Number of Sites	Regulatory Database	Comments
		Property based upon distance.

Two unmapped sites were identified in the GeoSearch Radius Report. Unmapped sites are sites of regulatory interest that are not associated with enough information to be accurately mapped by GeoSearch. Wenck was able to ascertain that none of the unmapped sites were directly associated with or directly adjacent to the Subject Property, therefore, the unmapped sites are not considered to represent a REC, CREC or HREC for the Subject Property.

Wenck did not review State/County/City files for these database listings because sufficient information was available from other sources to determine the potential for RECs, CRECs and/or HRECs relative to the Subject Property.

5.2 ADDITIONAL RECORD SOURCES

Additional record sources may be consulted when, in the judgment of the Environmental Professional, such additional records are reasonably ascertainable, sufficiently useful, accurate and complete, and are generally obtained pursuant to good commercial and customary practice. Such records may include local brownfield lists, or other local lists similar to those federal, state and tribal lists. Such sources may include local health or environmental departments, fire departments, planning departments, building permit or inspection departments, and other local pollution, water quality or utility companies.

5.2.1 Howard County Tax Information

Howard County tax information was obtained and reviewed from the Howard County tax assessor's website. Tax records provide publicly available information about the Subject Property. The tax records did not reveal any additional information with respect to the environmental condition of the Subject Property.

The Howard County tax information is included as Appendix C.

5.2.2 Local Building Records Review

Local building records were obtained from Howard County. According to the building records, the Subject Property building was permitted for construction in 1993. The main structure was constructed in 1993, with additions in 1993, 2002, 2004 and 2012. Two outbuildings/office structures were permitted for construction in 2002 and 2012 respectively. Also, in 2002, one pneumatic conveyor was permitted for construction. In 2012, one bucket conveyor, one pneumatic conveyor, one leg tower, one 20,000-bushel hopper bin and two 3,700-bushel hopper bins were permitted for construction. A small shed was permitted for construction in 2013.

Information obtained from Howard County is included in Appendix C.

5.3 HISTORICAL USE INFORMATION

5.3.1 Aerial Photographs

Aerial photographs were reviewed from 1937, 1941, 1950, 1957, 1964, 1971, 1979, 1983, 1990, 1994, 2002, 2009, 2011 and 2015. The aerial photographs are presented in Appendix D.

Year	Description
1937-1974	In the 1937 through 1974 aerial photographs the Subject Property appears to be vacant and/or agricultural cropland. Surrounding, adjacent sites appear to consist of vacant and/or agricultural cropland to the west, north and east; 6th Avenue West with residential structures beyond to the south. The Howard County Fairgrounds are visible to the southwest. Expansion of residential neighborhoods is visible further south and east of the Subject Property.
1979	In the 1979 aerial photograph the Subject Property appears to be similar to previous photographs. Surrounding, adjacent sites appear similar to previous aerial photographs with the addition of new residential structures to the south of the Subject Property across 6th Avenue West, and multiple commercial/industrial structures to the west of the Subject Property.
1983	In the 1983 aerial photograph the Subject Property appears to be similar to previous photographs. Surrounding, adjacent sites appear similar to previous aerial photographs with the addition multiple commercial/industrial structures to the west of the Subject Property.
1990	In the 1990 aerial photograph the Subject Property appears to be similar to previous photographs. Surrounding, adjacent sites appear similar to previous aerial photographs with the addition multiple commercial/industrial structures to the north and west of the Subject Property.
1994	In the 1994 aerial photograph the Subject Property appears to be developed with the original portions of the main warehouse structure, and two hoppers to the north of the structure. Surrounding, adjacent sites appear similar to previous aerial photographs with the addition multiple new or expansion of previously existing commercial/industrial structures to the north and west of the Subject Property.
2002	In the 2002 aerial photograph the Subject Property appears to be similar to previous photographs with the addition of an expansion of the main structure to the south. Surrounding, adjacent sites appear similar to previous aerial photographs with the addition of multiple new or expansion of previously existing commercial/industrial structures to the north and west of the Subject Property.
2009-2011	In the 2009 through 2011 aerial photographs, the Subject Property

Year	Description
	appears to be similar to previous photographs with the addition of an expansion of the main structure to the north as well as the addition of a small outbuilding/office structure to the north of the main structure. Surrounding, adjacent sites appear similar to previous aerial photographs with the addition multiple new or expansion of previously existing commercial/industrial structures to the north and west of the Subject Property.
2015	In the 2015 aerial photograph the Subject Property appears to be occupied by the present-day three industrial warehouse/office buildings, one shed, three grain hoppers, leg towers and conveyors, with paved parking lot and drive areas and landscaped areas. The main structure has undergone further expansion, and additional outbuildings, hoppers, conveyors and legs have been added. Surrounding, adjacent sites appear to consist of commercial/industrial structures to the west and north; vacant and/or agricultural cropland to the east; 6th Avenue West followed by residential structures to the south.

5.3.2 City Directories

City directories were researched for the Subject Property and surrounding properties. The street researched was 6th Avenue West and no directories were available.

5.3.3 Historical Maps

The Cresco, Iowa USGS 7.5-minute series topographic maps dated 1981, 2010, 2013 and 2015 show the area of the Subject Property.

There are no structures or other items shown on the Subject Property on the 1981 through 2015 topographic maps. Multiple residential structures are shown to the south and commercial/industrial structures are shown west of the Subject Property on the 1981 topographic map.

Additionally, three real estate atlases for the years 1854 and 1953 were reviewed. The atlases do not show any structures or other items on the Subject Property or surrounding sites.

The historical maps are included as Appendix E.

5.3.4 Fire Insurance Maps

A search was conducted to determine if fire insurance maps were available for the Subject Property. Fire insurance maps were created for insurance underwriters and often contain information regarding the uses of individual structures and the locations of fuel and/or chemical storage tanks that may have been on a particular property.

Fire insurance maps were available for the Subject Property and/or surrounding area for the year 1894. No features are depicted on the Subject Property on the 1894 map. Fire insurance map research documentation is included as Appendix F.

Year	Description
1894	The 1894 Sanborn-Perris® fire insurance map does not show the Subject Property, only the adjacent properties to the south, which shows a B. Owen's Creamery was present adjacent to the south of the Subject Property.

5.4 PREVIOUS ENVIRONMENTAL REPORTS

Gray Plant Mooty provided Wenck with the following previous environmental report prepared for the Subject Property:

- Prepared by Property Solutions, Inc. *Phase I Environmental Site Assessment of SunOpta – Cresco, 616 6th Avenue West, Cresco, Howard County, Iowa 52136*, August 13, 2018 (2018 Report).

These previous environmental reports, as provided to Wenck, are included in Appendix G.

5.4.1 2018 Report

The 2018 Report noted that the Subject Property consisted of 3.31 acres occupied with three, one-story steel warehouse buildings, eight silos, three hopper bins, two pneumatic conveyors, one bucket conveyor, one leg tower and one shed with paved parking and drive areas and landscaped areas. According to the 2018 report, the Subject Property was previously agricultural cropland prior to the construction of the present-day facility.

The 2018 Report stated that there were no identified recognized environmental conditions.

6.0 Subject Property

6.1 SUBJECT PROPERTY OBSERVATIONS

Mr. Benjamin Conlon of Wenck conducted a site reconnaissance on January 15, 2019. Mr. Conlon was accompanied during the site reconnaissance by Subject Property Representatives, Ms. LaVerne Klecker, Grain Manager, and Ms. Julie Dietzenbach, Plant Manager, of SunOpta. Wenck staff visually observed the Subject Property to identify current land use, obtain evidence of past uses, and to identify surface characteristics of the Subject Property for the presence of RECs, CRECs or HRECs. Subject Property photographs are included in Appendix I.

The site reconnaissance consisted of visually observing the interior and exterior portions of the Subject Property. Wenck staff observed (from the Subject Property boundaries) the adjoining properties for evidence of RECs, CRECs or HRECs, and for indications of past and current land use.

As noted in Section 3.1, the Subject Property has three, one-story, steel warehouse buildings constructed in 1993 (industrial warehouse building), 2002 (detached electrical building) and 2012 (detached electrical building). The industrial warehouse has a second-floor mezzanine and a third-floor mezzanine. The Subject Property also contains eight silos, three hopper bins, two pneumatic conveying systems, one bucket conveyor, one leg tower, and one shed, all of which are located at the northeast portion of the Subject Property. The remaining portions of the Subject Property are covered with the associated paved parking areas, lawn areas, and landscaping. Areas of the building include: offices, production/packaging, warehouse, shipping and receiving docks, grain storage silos (used to store raw corn, corn feed, and corn-based finished products), hydraulic elevator, and maintenance areas.

The Subject Property is a commercial/industrial facility that produces organic, non-genetically modified corn products. The Subject Property has been used since 1993 as a food-grade corn dry-milling processing facility. The facility also conducts distribution warehousing activities.

The building is served by utility electric, natural gas, and telephone services. Municipal water and sanitary sewer systems also serve the facility. The building is heated by a natural gas boiler and heated and cooled by natural gas-powered HVAC units. In the laboratory, nine containers (volume less than 1 gallon) of chemicals are stored. The chemicals include:

- Neutralizing buffer (3.5 EA)
- 4-L 70% Methanol (2.5 EA)
- Dilution Buffer (1 tube)
- High Vacuum Grease (1 bottle less than 1 gallon)
- Various test standards (container volumes less than 1 gallon)

6.1.1 Materials Management

Materials managed at the Subject Property include office materials, unused corn feed, hominy, empty cardboard boxes, and finished products such as corn bran, corn germ, and milled corn. Most materials at the Subject Property are managed by three Caterpillar

Hawker Powerline electric forklifts. The corn products are conveyed into bins or silos by use of a pneumatic conveying system.

Wenck noted chemicals at the Subject Property consist of small quantities of cleaning and maintenance chemicals such as lubricants, motor oil, and cleaners. In the laboratory, small quantities of buffers and solvents are stored.

6.1.2 Solid and Hazardous Waste Management

Vendor-maintained dumpsters were noted at the facility to manage solid waste and recyclable waste prior to regular collection. Solid waste and recyclable waste are collected by the City of Cresco, IA and Hawkeye Sanitation.

No evidence of hazardous waste generation was noted during the site reconnaissance or documented in the GeoSearch Radius Map Report. Ms. Dietzenbach stated that she is not aware of any hazardous waste generated on the Subject Property.

6.1.3 Aboveground and Underground Storage Tanks (ASTs/USTs)

Wenck observed no evidence of former or existing ASTs/USTs at the Subject Property. No evidence of former or existing ASTs/USTs was documented in the regulatory database review. Ms. Dietzenbach stated that she is not aware of current or former ASTs/USTs.

However, unused corn that will be disposed of is stored in two silos north of the industrial warehouse. Each of the two silos can hold approximately 250,000 pounds of corn. Raw corn is stored in four silos located in the northeast portion of the Subject Property. The silos can hold a range of 150,000 to one million pounds each. In addition, the finished products are stored in two silos located in the northeast portion of the Subject Property. Each silo can hold approximately 250,000 pounds. All of the silos are vacuum-fed.

6.1.4 Interior and Exterior Surface Observations

Wenck observed no evidence of soil subsidence, surface staining, pooled liquids, stressed vegetation, fill soil piles or debris piles on the Subject Property.

6.1.5 Pits, Sumps, Oil-Water Separators and Floor Drains

Wenck noted that there is a floor drain in the Extruder Room, kitchen area, and restrooms. Ms. Dietzenbach stated that the floor drain discharges to the municipal sanitary sewer.

6.1.6 Wastewater and Stormwater Discharge Systems

The Subject Property is served by the municipal sanitary sewer system. Stormwater at the Subject Property discharges to the municipal stormwater drainage system. Surface run-off flows to a culvert located south of the leg tower on the eastern portion of the Subject Property. The culvert leads to a drainage ditch along the eastern boundary of the Subject Property that flows to the northeast off-Site.

6.1.7 Wells, Drywells and Lagoons

Wenck did not observe the presence of wells, drywells or lagoons at the time of the site reconnaissance. Ms. Dietzenbach stated that she is not aware of any wells, drywells or lagoons on the Subject Property.

There are no wells listed for the Subject Property on the GeoSearch report.

6.1.8 Polychlorinated Biphenyls (PCBs) and Oil-Containing Equipment

Wenck observed two pad-mounted transformers on the Subject Property at the time of the Site reconnaissance. One of the transformers is located on the northwest side of the industrial warehouse and the other transformer is located south of the electrical utility building on the eastern portion of the Subject Property. There was no indication on the transformers that they may contain PCBs. The pad-mounted transformers did not show any evidence of leaks or spills at the time of the Site reconnaissance. According to interview information, the transformers are owned by Alliant Energy, the local electricity utility company. Based on the age of the construction of the Site buildings (1993, 2002, and 2012), PCBs are not expected to be present within the transformers.

7.0 Interviews

7.1 INTERVIEW WITH SUBJECT PROPERTY REPRESENTATIVE

Date of Interview:	January 15, 2019
Name:	Ms. Julie Dietzenbach
Affiliation:	Plant Manager
Years familiar with Subject Property:	Since 1993

Wenck interviewed Ms. Dietzenbach regarding the Subject Property. Ms. Dietzenbach stated that the Subject Property was used as agricultural prior to 1993. The Subject Property operates as a corn processing facility since it was originally built in 1993. Ms. Dietzenbach provided information to Wenck that is included throughout this report. Ms. Dietzenbach stated that she is not aware of any chemical spills or releases at the facility.

7.2 INTERVIEW WITH LOCAL GOVERNMENT OFFICIAL

Date of Interview:	January 21, 2019
Name:	Fire Chief Neal Stapelkamp
Affiliation:	Cresco Fire Department
Telephone Number:	563-212-7766

The Subject Property is in the jurisdiction of the Cresco Fire Department. Wenck contacted Cresco Fire Chief Neal Stapelkamp regarding the Subject Property. Fire Chief Stapelkamp stated that he is not aware of any AST or UST for chemical storage or chemical releases at the Subject Property.

8.0 Evaluation

8.1 DATA GAPS

Historical information was reviewed back to 1854. Data gaps greater than five years exist from prior to 1854, from 1854 to 1937, from 1941 to 1950, from 1957 to 1979, from 1983 to 1990 and from 1994 to 2009.

The interviews, historical maps, city directories, fire insurance maps, aerial photographs, and previous environmental reports provide generally good corroborating information that allows an understanding of historical Subject Property use, therefore the data gaps do not affect our conclusion. A research summary is included as Appendix I.

Wenck considers the evaluation of the presence of RECs, CRECs, and HRECs to be complete, based on the lack of identified changes in land use during the periods affected by any data gaps of more than five years. Therefore, we do not recommend additional investigation relative to the resolution of those data gaps, as we do not believe it would impact our conclusions.

8.2 IDENTIFIED FINDINGS

Wenck was authorized by Gray Plant Mooty, representing Pipeline Foods to conduct this Phase I ESA of the property and improvements located at 616 6th Avenue West, Cresco, Howard County, Iowa; the Subject Property. The Subject Property consists of 3.31 acres occupied by three industrial warehouse/office buildings, one shed, three grain hoppers, leg towers and conveyors, with paved parking lot and drive areas and landscaped areas. Access to the Subject Property is from 6th Avenue West from the South.

According to reviewed sources of information, the Subject Property has been used as a grain milling plant since 1993 and was previously used as agricultural land since at least 1937.

Observations at the time of the site reconnaissance did not reveal evidence of a release or a material threat of release of petroleum products or potentially hazardous substances as a result of the current use of the Subject Property.

Mapped sites of regulatory interest revealed within the GeoSearch Radius Report did not reveal evidence of a release or a material threat of release to the Subject Property from adjacent or upgradient properties.

The Subject Property is in a commercial/industrial, residential and agricultural area of Cresco.

8.3 OPINIONS

The following opinions are based on the above findings:

- The current use of the Subject Property as a grain milling plant from 1993 until the present is not considered to represent a REC, CREC or HREC for the Subject

Property, because there is no indication of a release or a material threat of release of petroleum products or potentially hazardous substances as a result of its use.

- The past use of the Subject Property as agricultural farmland from at least 1937 until 1993 is not considered to represent a REC, CREC or HREC for the Subject Property, because there is no indication of a release or a material threat of release of petroleum products or potentially hazardous substances as a result of its use.
- Industrial/commercial properties are located directly adjacent to the north; residential properties directly adjacent to the south; and agricultural cropland directly adjacent to the east of the Subject Property. Based on the type of use and information provided in the GeoSearch Radius Report, the adjacent commercial/industrial, residential and agricultural use is not considered to represent a REC, CREC or HREC for the Subject Property.
- Mapped sites of regulatory interest revealed within the GeoSearch Radius Report are not considered RECs, HRECs, or CRECs. Based on the review of the revealed sites of regulatory interest, including unmapped site listings revealed within search radii defined by the Practice, we identified no material threat of release to the Subject Property from adjacent or upgradient properties.

8.4 CONCLUSIONS

Wenck performed a Phase I ESA in conformance with the scope and limitations of the ASTM Phase I Standard and in accordance with the AAI Rule (40 CFR Part 312) of the property and improvements of 616 6th Avenue West in Cresco, Howard County, Iowa. Any exceptions to, or deletions from, the ASTM Phase I Standard are described in Section 2.3 and Section 2.4 of this report.

This ESA has identified no evidence of RECs, CRECs or HRECs in connection with the Subject Property.

9.0 Non-Scope Considerations

Assessments of potential environmental issues or conditions at the Subject Property that may relate to commercial real estate activities, but were not part of this scope of work include the following:

- Asbestos Survey
- Radon Gas Survey
- Lead-Based Paint Assessment
- Lead in Drinking Water Evaluation
- Wetland Delineation
- Regulatory Compliance Audit
- Cultural and Historic Resources Review
- Industrial Hygiene Review
- Health and Safety Assessment
- Ecological Resources Evaluation
- Endangered Species Survey
- Indoor Air Quality Evaluation
- Mold Investigation
- High Voltage Power Lines Assessment

This list is not intended to be all-inclusive and is not intended to imply significance of further investigation into these non-scope items.

10.0 References

Phase I Environmental Site Assessment of SunOpta – Cresco, 616 6th Avenue West, Cresco, Howard County, Iowa 52136, *Property Solutions*, August 13, 2018 (2018 Report).

Iowa Geologic Survey, Tassier-Surine, Stephane, Liu, Huaibao, McKay, Robert, and Giglierano J.D. *Surficial Geology of Upper Iowa River Watershed*, 2008.

Iowa Geologic Survey, Tassier-Surine, Stephane, Liu, Huaibao, McKay, Robert, and Giglierano J.D. *Bedrock Geology of Upper Iowa River Watershed*, 2008.

Other materials referenced in this report are included in the Appendices.

11.0 Signature Page

We declare that, to the best of our professional knowledge and belief, we meet the definition of *Environmental Professional* as defined in 312.10 of 40 CFR Part 312, and we have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Subject Property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Prepared by:

Chantell Bazewicz
Environmental Scientist

Prepared by:

Ben Conlon
Environmental Scientist

Reviewed by:

Aaron Benker
Resource Manager

12.0 Qualifications

Company Experience

WENCK ASSOCIATES, INC. is a full-service environmental consulting firm that specializes in providing comprehensive environmental, regulatory, and safety guidance for our client's real estate asset protection, redevelopment and development needs. Collectively, Wenck offers our clients over 25 years of experience, depth of technical and regulatory knowledge and expertise in the following service areas:

- Environmental Assessment Services (Phase I and II)
- Site Preparation/Planning Services
- Integrated Site Remediation and Risk-based Response Actions
- Storage Tank Removal, Replacement and Compliance
- Stormwater Management Plans and Permitting (NPDES requirements, etc.)
- Wetlands Delineation and Mitigation
- Environmental Permitting and Compliance
- Asbestos and Lead Identification and Abatement
- Voluntary Cleanup Programs and Guidance on Public Funding Mechanisms for Brownfield Redevelopment
- Indoor Air Quality Assessment
- Facility Layout Review for Environmental and Safety Efficiency
- Environmental Impact Assessments (EIA) and Statements (EIS), Environmental Assessment Worksheets (EAW), Alternative Urban Areawide Review (AUAR)
- Traffic Engineering
- Pollution Prevention Plans
- Greenhouse Gas Services

Wenck strives to provide our clients with strategic, high quality and cost-effective services that are customized to their specific needs. For more extensive information on the services we provide please refer to www.wenck.com.

Individual Bios

Chantell Bazewicz

Ms. Bazewicz has over 14 years of experience as an Environmental Scientist on diverse projects including building surveys, abatement oversight for renovation and demolition projects, soil remediation, groundwater investigation, Phase I and Phase II Environmental Site Assessments. She has worked with both public and private industry in Minnesota, Wisconsin, Iowa, Arizona, North Dakota and South Dakota. Specialties include asbestos, lead-based paint, regulated/hazardous materials surveys, abatement oversight, air monitoring and sample analysis, indoor air quality assessments, employee exposure monitoring, soil and ground water investigations/ remediation, project design and contract preparation.

Ben Conlon

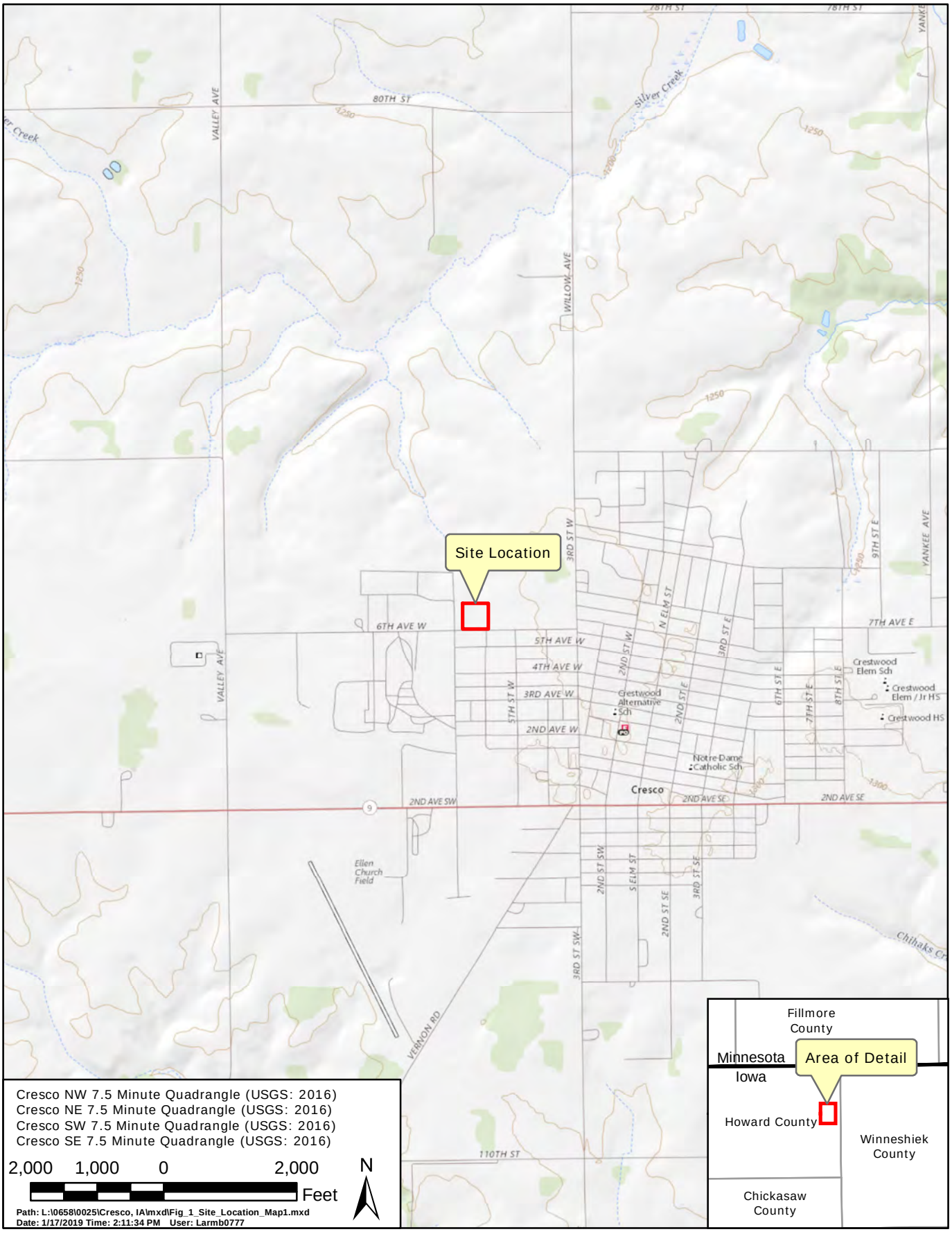
Mr. Conlon has 4 years of experience in environmental, health and safety (EHS) consulting for manufacturing, technology, service and industrial clients. His areas of expertise include the planning, implementation and management of EHS regulatory compliance assurance, EHS management system implementation at both facility and corporate levels, and mergers and acquisitions advisory services. Mr. Conlon is experienced in conducting both small and large multi-site, national projects to a wide variety of corporate, legal, facility and financial institutions.

Aaron Benker

Mr. Benker joined Wenck Associates, Inc. in 2013 and manages the real estate and remediation group. Mr. Benker's experience in environmental consulting provides leadership in the real estate sector with emphasis on development, transactional and remedial projects. Mr. Benker has significant experience assisting a wide variety of clients navigating environmental programs and achieving regulatory compliance. Mr. Benker has managed and worked on projects in several states in the United States and also Canada. Mr. Benker holds a Bachelors of Art in Biology and Environmental Studies from Concordia College in Moorhead, Minnesota.

Figures

1. Figure 1: Site Location Map
2. Figure 2: Site Detail Map



GRAY MOOT PLANT

Site Location Map

WENCK

Responsive partner. Exceptional outcomes.

JAN 2019

Figure 1

GRAY MOOT PLANT	JAN 2019
Site Detail Map	Figure 2

WENCK
Responsive partner. Exceptional outcomes.

Appendix A

User Questionnaire

ATSM E 1527-13 USER QUESTIONNAIRE FOR PROSPECTIVE PURCHASER/LESSEE

Property Address: **616 6th Avenue West**
Cresco, Iowa 52136

To meet the all-appropriate inquiry (AAI) standard, the User (people or entities relying on the Phase I) must provide the following information, if they are aware of it. Your response should represent the current collective knowledge of the User (e.g., officers, directors, employees, partners).

- *Environmental cleanup liens (40 CFR 312.25)*

1.	Did a search of recorded land title documents identify any environmental liens recorded against the Property?	***A title insurance commitment is on order and will be reviewed.***

- *Activity and land use limitations (AULs) (40 CFR 312.26)*

2.	Did a search of recorded land title documents identify any activity or use limitations relating to environmental contamination, such as land use restrictions, or engineering or institutional controls on or of record on the Property?	***See above.***

- *Specialized knowledge or experience (40 CFR 312.28)*

3.	Do you have any special knowledge or experience related to the Property or nearby properties? (For example, are you involved in the same line of business as is conducted on the Property?) If so, please describe.	***No.***

- *Relationship of the purchase price to the fair market value of the Property (40 CFR 312.29)*

4.	Does the purchase price for the Property reasonably reflect its fair market value?	***Yes.***
5.	If not, is there a lower purchase price because the Property is or may be contaminated?	***N/A.***

- *Commonly known information about the Property (40 CFR 312.30)*

Are you aware of information about the Property that would help identify releases or threatened releases - -		
6.	Do you know the past uses of the Property? (If so, please describe)	***No, except for the information in the Phase I Environmental Site Assessment by Property Solutions Inc. (August 13, 2018) that we have provided to Wenck Associates, Inc.***
7.	Do you know specific chemicals that are or were present at the Property? (If so, please describe)	***See above.***
8.	Do you know of any spills occurring at the Property? (If so, please describe)	***See above.***
9.	Do you know of any environmental cleanups occurring at the Property? (If so, please describe)	***See above.***

- *Obvious or likely contamination at the Property (40 CFR 312.31)*

10.	Based on your knowledge and experience, are there any signs of contamination at the Property?	***Not that I am aware of.***

Pipeline Foods LLC

January 9, 2019

By: Erin Heitkamp
Managing Director-Strategy, Sustainability & Assurance

Appendix B

GeoSearch Radius Report

GeoSearch
On time. On target. In touch.™

Radius Report

Satellite view

Target Property:

Subject Property
616 6th Ave W
Cresco, Howard County, Iowa 52136

Prepared For:

Historical Information Gatherers

Order #: 120209
Job #: 273871
Project #: 2023397
Date: 01/15/2019

Table of Contents

Target Property Summary 1

Database Summary 2

Database Radius Summary 6

Radius Map 10

Ortho Map 12

Topographic Map 13

Located Sites Summary 13

Elevation Summary 16

Unlocated Sites Summary 50

Environmental Records Definitions 52

Unlocatable Report . . . . . See Attachment

Zip Report . . . . . See Attachment

Disclaimer

This report was designed by GeoSearch to meet or exceed the records search requirements of the All Appropriate Inquiries Rule (40 CFR ï¿½312.26) and the current version of the ASTM International E1527, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process or, if applicable, the custom requirements requested by the entity that ordered this report. The records and databases of records used to compile this report were collected from various federal,state and local governmental entities. It is the goal of GeoSearch to meet or exceed the 40 CFR ï¿½312.26 and E1527 requirements for updating records by using the best available technology. GeoSearch contacts the appropriate governmental entities on a recurring basis. Depending on the frequency with which a record source or database of records is updated by the governmental entity, the data used to prepare this report may be updated monthly, quarterly, semi-annually, or annually.

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Target Property Summary

Target Property Information

Subject Property
616 6th Ave W
Cresco, Iowa 52136

Coordinates
Area centroid (-92.125914, 43.3789873)
1,285 feet above sea level

USGS Quadrangle
Cresco Nw, IA
Cresco Nw, IA

Geographic Coverage Information

County/Parish: Howard (IA)
ZipCode(s):
Cresco IA: 52136

Database Summary

FEDERAL LISTING

Standard Environmental Records

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
EMERGENCY RESPONSE NOTIFICATION SYSTEM	ERNSIA	0	0	TP/AP
FEDERAL ENGINEERING INSTITUTIONAL CONTROL SITES	EC	0	0	TP/AP
LAND USE CONTROL INFORMATION SYSTEM	LUCIS	0	0	TP/AP
RCRA SITES WITH CONTROLS	RCRASC	0	0	TP/AP
RESOURCE CONSERVATION & RECOVERY ACT - GENERATOR	RCRAGR07	1	0	0.1250
RESOURCE CONSERVATION & RECOVERY ACT - NON-GENERATOR	RCRANGR07	0	0	0.1250
BROWNFIELDS MANAGEMENT SYSTEM	BF	1	0	0.5000
NO LONGER REGULATED RCRA NON-CORRACTS TSD FACILITIES	NLRRCRAT	0	0	0.5000
RESOURCE CONSERVATION & RECOVERY ACT - NON-CORRACTS TREATMENT, STORAGE & DISPOSAL FACILITIES	RCRAT	0	0	0.5000
SUPERFUND ENTERPRISE MANAGEMENT SYSTEM	SEMS	0	0	0.5000
SUPERFUND ENTERPRISE MANAGEMENT SYSTEM ARCHIVED SITE INVENTORY	SEMSARCH	0	0	0.5000
DELISTED NATIONAL PRIORITIES LIST	DNPL	0	0	1.0000
NATIONAL PRIORITIES LIST	NPL	0	0	1.0000
NO LONGER REGULATED RCRA CORRECTIVE ACTION FACILITIES	NLRRCRAC	0	0	1.0000
PROPOSED NATIONAL PRIORITIES LIST	PNPL	0	0	1.0000
RESOURCE CONSERVATION & RECOVERY ACT - CORRECTIVE ACTION FACILITIES	RCRAC	0	0	1.0000
RESOURCE CONSERVATION & RECOVERY ACT - SUBJECT TO CORRECTIVE ACTION FACILITIES	RCRASUBC	0	0	1.0000

SUB-TOTAL		2	0	

Additional Environmental Records

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
AEROMETRIC INFORMATION RETRIEVAL SYSTEM / AIR FACILITY SUBSYSTEM	AIRSAFS	0	0	TP/AP
BIENNIAL REPORTING SYSTEM	BRS	0	0	TP/AP
CERCLIS LIENS	SFLIENS	0	0	TP/AP
CLANDESTINE DRUG LABORATORY LOCATIONS	CDL	0	0	TP/AP
EPA DOCKET DATA	DOCKETS	0	0	TP/AP
ENFORCEMENT AND COMPLIANCE HISTORY INFORMATION	ECHOR07	0	0	TP/AP
FACILITY REGISTRY SYSTEM	FRSIA	1	0	TP/AP

Database Summary

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
HAZARDOUS MATERIALS INCIDENT REPORTING SYSTEM	HMIRSR07	0	0	TP/AP
INTEGRATED COMPLIANCE INFORMATION SYSTEM (FORMERLY DOCKETS)	ICIS	0	0	TP/AP
INTEGRATED COMPLIANCE INFORMATION SYSTEM NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM	ICISNPDES	0	0	TP/AP
MATERIAL LICENSING TRACKING SYSTEM	MLTS	0	0	TP/AP
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM	NPDESR07	0	0	TP/AP
PCB ACTIVITY DATABASE SYSTEM	PADS	0	0	TP/AP
PERMIT COMPLIANCE SYSTEM	PCSR07	0	0	TP/AP
SEMS LIEN ON PROPERTY	SEMSLIENS	0	0	TP/AP
SECTION SEVEN TRACKING SYSTEM	SSTS	0	0	TP/AP
TOXIC SUBSTANCE CONTROL ACT INVENTORY	TSCA	0	0	TP/AP
TOXICS RELEASE INVENTORY	TRI	0	0	TP/AP
ALTERNATIVE FUELING STATIONS	ALTFUELS	0	0	0.2500
FEMA OWNED STORAGE TANKS	FEMAUST	0	0	0.2500
HISTORICAL GAS STATIONS	HISTPST	0	0	0.2500
INTEGRATED COMPLIANCE INFORMATION SYSTEM DRYCLEANERS	ICISCLEANERS	0	0	0.2500
MINE SAFETY AND HEALTH ADMINISTRATION MASTER INDEX FILE	MSHA	0	0	0.2500
MINERAL RESOURCE DATA SYSTEM	MRDS	0	0	0.2500
OPEN DUMP INVENTORY	ODI	0	0	0.5000
SURFACE MINING CONTROL AND RECLAMATION ACT SITES	SMCRA	0	0	0.5000
URANIUM MILL TAILINGS RADIATION CONTROL ACT SITES	USUMTRCA	0	0	0.5000
DEPARTMENT OF DEFENSE SITES	DOD	0	0	1.0000
FORMER MILITARY NIKE MISSILE SITES	NMS	0	0	1.0000
FORMERLY USED DEFENSE SITES	FUDS	0	0	1.0000
FORMERLY UTILIZED SITES REMEDIAL ACTION PROGRAM	FUSRAP	0	0	1.0000
RECORD OF DECISION SYSTEM	RODS	0	0	1.0000

SUB-TOTAL		1	0	

Database Summary

STATE (IA) LISTING

Standard Environmental Records

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
REGISTERED ABOVEGROUND STORAGE TANKS	RAST	0	0	0.2500
REGISTERED UNDERGROUND STORAGE TANKS	RUST	0	0	0.2500
SITES WITH INSTITUTIONAL CONTROLS	IC	0	0	0.2500
BROWNFIELD SITES	BF	0	0	0.5000
CONTAMINATED SITES	CS	4	2	0.5000
LEAKING UNDERGROUND STORAGE TANKS	LUST	6	0	0.5000
SOLID WASTE FACILITIES	SWF	1	0	0.5000
VOLUNTARY CLEANUP SITES	VCP	0	0	0.5000
DELISTED STATE HAZARDOUS WASTE SITES	DSHWS	0	0	1.0000
STATE HAZARDOUS WASTE SITES	SHWS	0	0	1.0000
SUB-TOTAL		11	2	

Additional Environmental Records

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
AIR PERMITTED FACILITIES	AIRS	0	0	TP/AP
LIENS LISTING	LIENS	0	0	TP/AP
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMITS	NPDES	0	0	TP/AP
SPILLS LISTING	SPILLS	0	0	TP/AP
DRY CLEANERS	CLEANERS	0	0	0.2500
SUB-TOTAL		0	0	

Database Summary

TRIBAL LISTING

Standard Environmental Records

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
UNDERGROUND STORAGE TANKS ON TRIBAL LANDS	USTR07	0	0	0.2500
LEAKING UNDERGROUND STORAGE TANKS ON TRIBAL LANDS	LUSTR07	0	0	0.5000
OPEN DUMP INVENTORY ON TRIBAL LANDS	ODINDIAN	0	0	0.5000
SUB-TOTAL		0	0	

Additional Environmental Records

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
INDIAN RESERVATIONS	INDIANRES	0	0	1.0000
SUB-TOTAL		0	0	

TOTAL		14	2	

Database Radius Summary

FEDERAL LISTING

*Standard environmental records are displayed in **bold**.*

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
AIRSAFS	0.0200	0	NS	NS	NS	NS	NS	0
BRS	0.0200	0	NS	NS	NS	NS	NS	0
CDL	0.0200	0	NS	NS	NS	NS	NS	0
DOCKETS	0.0200	0	NS	NS	NS	NS	NS	0
EC	**0.0200**	**0**	**NS**	**NS**	**NS**	**NS**	**NS**	**0**
ECHOR07	0.0200	0	NS	NS	NS	NS	NS	0
ERNSIA	**0.0200**	**0**	**NS**	**NS**	**NS**	**NS**	**NS**	**0**
FRSIA	0.0200	1	NS	NS	NS	NS	NS	1
HMIRSR07	0.0200	0	NS	NS	NS	NS	NS	0
ICIS	0.0200	0	NS	NS	NS	NS	NS	0
ICISNPDES	0.0200	0	NS	NS	NS	NS	NS	0
LUCIS	**0.0200**	**0**	**NS**	**NS**	**NS**	**NS**	**NS**	**0**
MLTS	0.0200	0	NS	NS	NS	NS	NS	0
NPDESR07	0.0200	0	NS	NS	NS	NS	NS	0
PADS	0.0200	0	NS	NS	NS	NS	NS	0
PCSR07	0.0200	0	NS	NS	NS	NS	NS	0
RCRASC	**0.0200**	**0**	**NS**	**NS**	**NS**	**NS**	**NS**	**0**
SEMSLIENS	0.0200	0	NS	NS	NS	NS	NS	0
SFLIENS	0.0200	0	NS	NS	NS	NS	NS	0
SSTS	0.0200	0	NS	NS	NS	NS	NS	0
TRI	0.0200	0	NS	NS	NS	NS	NS	0
TSCA	0.0200	0	NS	NS	NS	NS	NS	0
RCRAGR07	**0.1250**	**0**	**1**	**NS**	**NS**	**NS**	**NS**	**1**
RCRANGR07	**0.1250**	**0**	**0**	**NS**	**NS**	**NS**	**NS**	**0**
ALTFUELS	0.2500	0	0	0	NS	NS	NS	0
FEMAUST	0.2500	0	0	0	NS	NS	NS	0
HISTPST	0.2500	0	0	0	NS	NS	NS	0
ICISCLEANERS	0.2500	0	0	0	NS	NS	NS	0
MRDS	0.2500	0	0	0	NS	NS	NS	0
MSHA	0.2500	0	0	0	NS	NS	NS	0
BF	**0.5000**	**0**	**0**	**0**	**1**	**NS**	**NS**	**1**
NLRRCRAT	**0.5000**	**0**	**0**	**0**	**0**	**NS**	**NS**	**0**
ODI	0.5000	0	0	0	0	NS	NS	0
RCRAT	**0.5000**	**0**	**0**	**0**	**0**	**NS**	**NS**	**0**
SEMS	**0.5000**	**0**	**0**	**0**	**0**	**NS**	**NS**	**0**

Database Radius Summary

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
SEMSARCH	**0.5000**	**0**	**0**	**0**	**0**	**NS**	**NS**	**0**
SMCRA	0.5000	0	0	0	0	NS	NS	0
USUMTRCA	0.5000	0	0	0	0	NS	NS	0
DNPL	**1.0000**	**0**	**0**	**0**	**0**	**0**	**NS**	**0**
DOD	1.0000	0	0	0	0	0	NS	0
FUDS	1.0000	0	0	0	0	0	NS	0
FUSRAP	1.0000	0	0	0	0	0	NS	0
NLRRCRAC	**1.0000**	**0**	**0**	**0**	**0**	**0**	**NS**	**0**
NMS	1.0000	0	0	0	0	0	NS	0
NPL	**1.0000**	**0**	**0**	**0**	**0**	**0**	**NS**	**0**
PNPL	**1.0000**	**0**	**0**	**0**	**0**	**0**	**NS**	**0**
RCRAC	**1.0000**	**0**	**0**	**0**	**0**	**0**	**NS**	**0**
RCRASUBC	**1.0000**	**0**	**0**	**0**	**0**	**0**	**NS**	**0**
RODS	1.0000	0	0	0	0	0	NS	0

SUB-TOTAL		1	1	0	1	0	0	3

Database Radius Summary

STATE (IA) LISTING

*Standard environmental records are displayed in **bold**.*

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
AIRS	0.0200	0	NS	NS	NS	NS	NS	0
LIENS	0.0200	0	NS	NS	NS	NS	NS	0
NPDES	0.0200	0	NS	NS	NS	NS	NS	0
SPILLS	0.0200	0	NS	NS	NS	NS	NS	0
CLEANERS	0.2500	0	0	0	NS	NS	NS	0
IC	**0.2500**	**0**	**0**	**0**	**NS**	**NS**	**NS**	**0**
RAST	**0.2500**	**0**	**0**	**0**	**NS**	**NS**	**NS**	**0**
RUST	**0.2500**	**0**	**0**	**0**	**NS**	**NS**	**NS**	**0**
BF	**0.5000**	**0**	**0**	**0**	**0**	**NS**	**NS**	**0**
CS	**0.5000**	**0**	**1**	**0**	**3**	**NS**	**NS**	**4**
LUST	**0.5000**	**0**	**0**	**0**	**6**	**NS**	**NS**	**6**
SWF	**0.5000**	**0**	**0**	**0**	**1**	**NS**	**NS**	**1**
VCP	**0.5000**	**0**	**0**	**0**	**0**	**NS**	**NS**	**0**
DSHWS	**1.0000**	**0**	**0**	**0**	**0**	**0**	**NS**	**0**
SHWS	**1.0000**	**0**	**0**	**0**	**0**	**0**	**NS**	**0**

SUB-TOTAL		0	1	0	10	0	0	11

Database Radius Summary

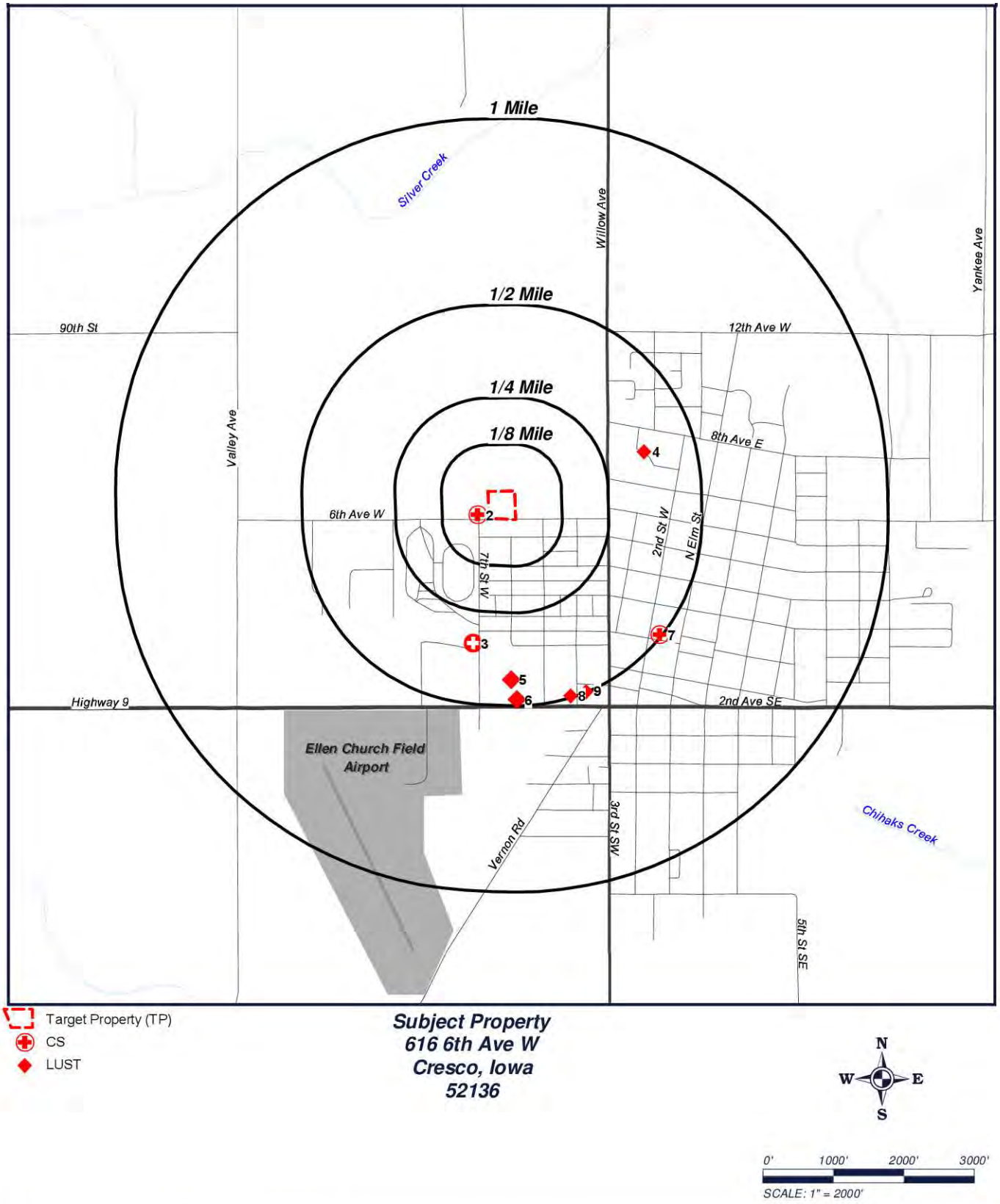
TRIBAL LISTING

*Standard environmental records are displayed in **bold**.*

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
USTR07	**0.2500**	**0**	**0**	**0**	**NS**	**NS**	**NS**	**0**
LUSTR07	**0.5000**	**0**	**0**	**0**	**0**	**NS**	**NS**	**0**
ODINDIAN	**0.5000**	**0**	**0**	**0**	**0**	**NS**	**NS**	**0**
INDIANRES	1.0000	0	0	0	0	0	NS	0
SUB-TOTAL		0	0	0	0	0	0	0
TOTAL		1	2	0	11	0	0	14

NOTES:
NS = NOT SEARCHED
TP/AP = TARGET PROPERTY/ADJACENT PROPERTY

Radius Map 1



Target Property (TP)
CS
LUST

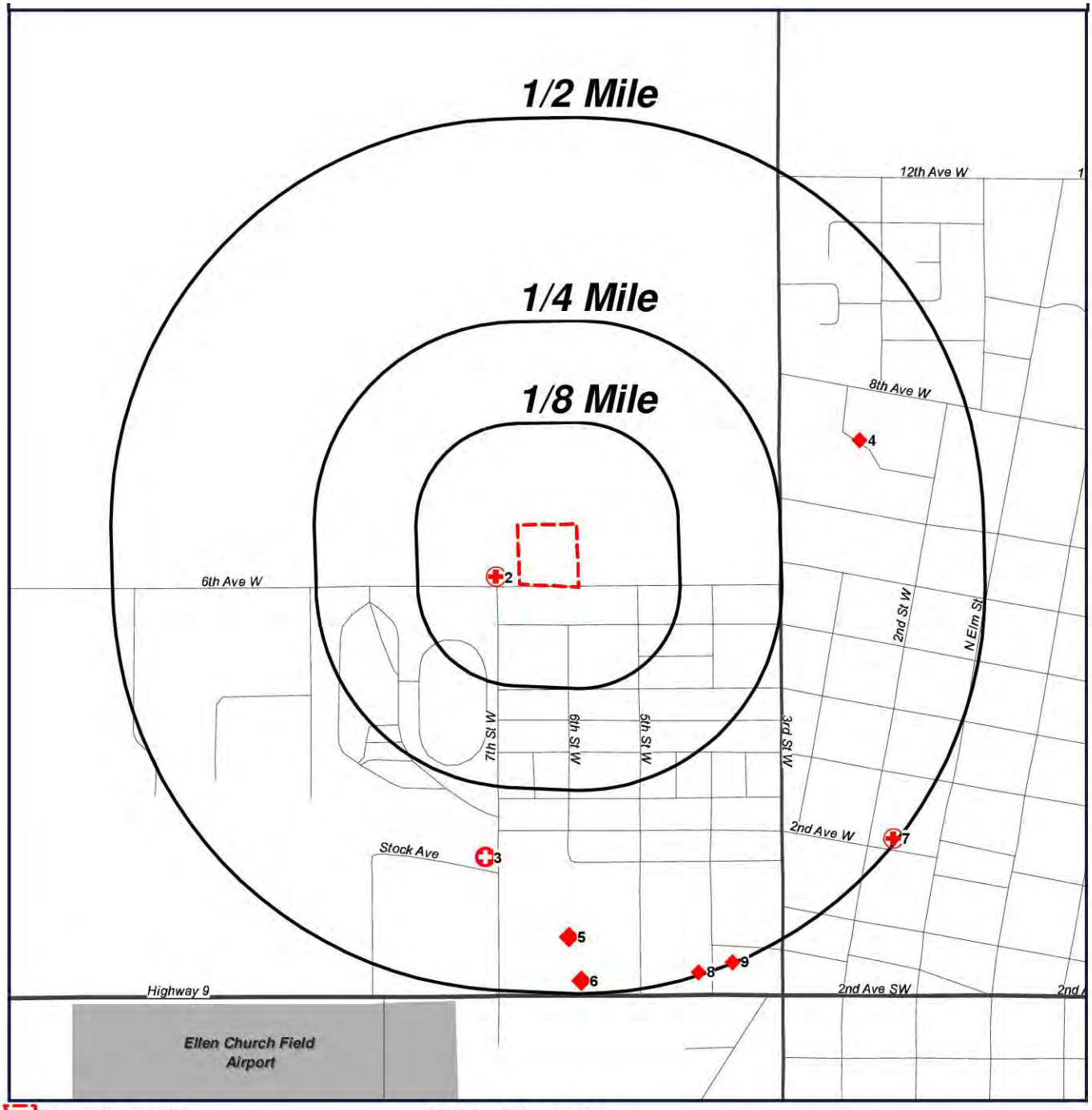
Subject Property
616 6th Ave W
Cresco, Iowa
52136

N
W E
S

0' 1000' 2000' 3000'
SCALE: 1" = 2000'

[Click here to access Satellite view]

Radius Map 2



Target Property (TP)
CS
LUST

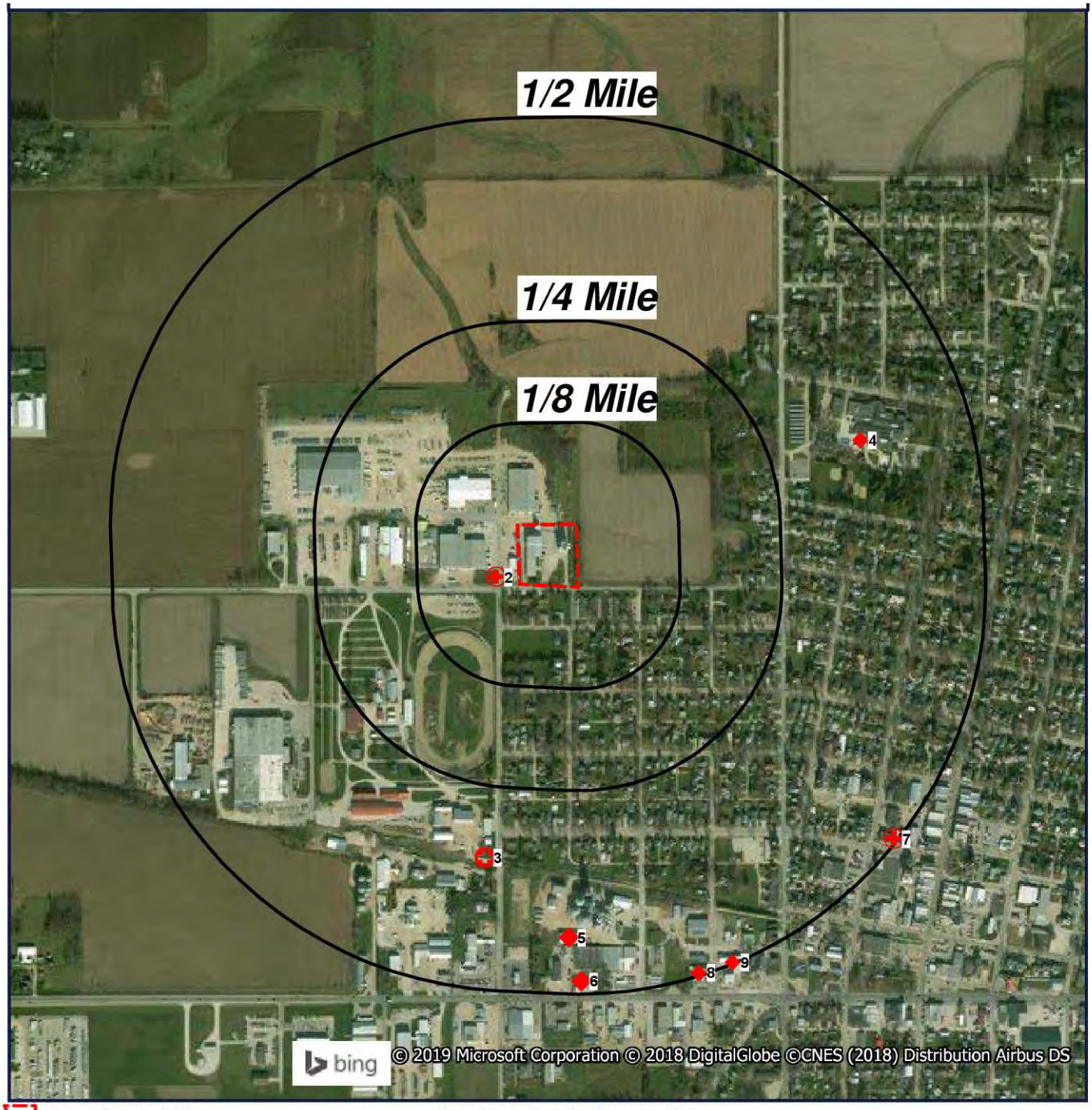
Subject Property
616 6th Ave W
Cresco, Iowa
52136

N
W
E
S

0' 500' 1000' 1500'
SCALE: 1" = 1000'

Click here to access Satellite view

Ortho Map



Target Property (TP)
CS
LUST

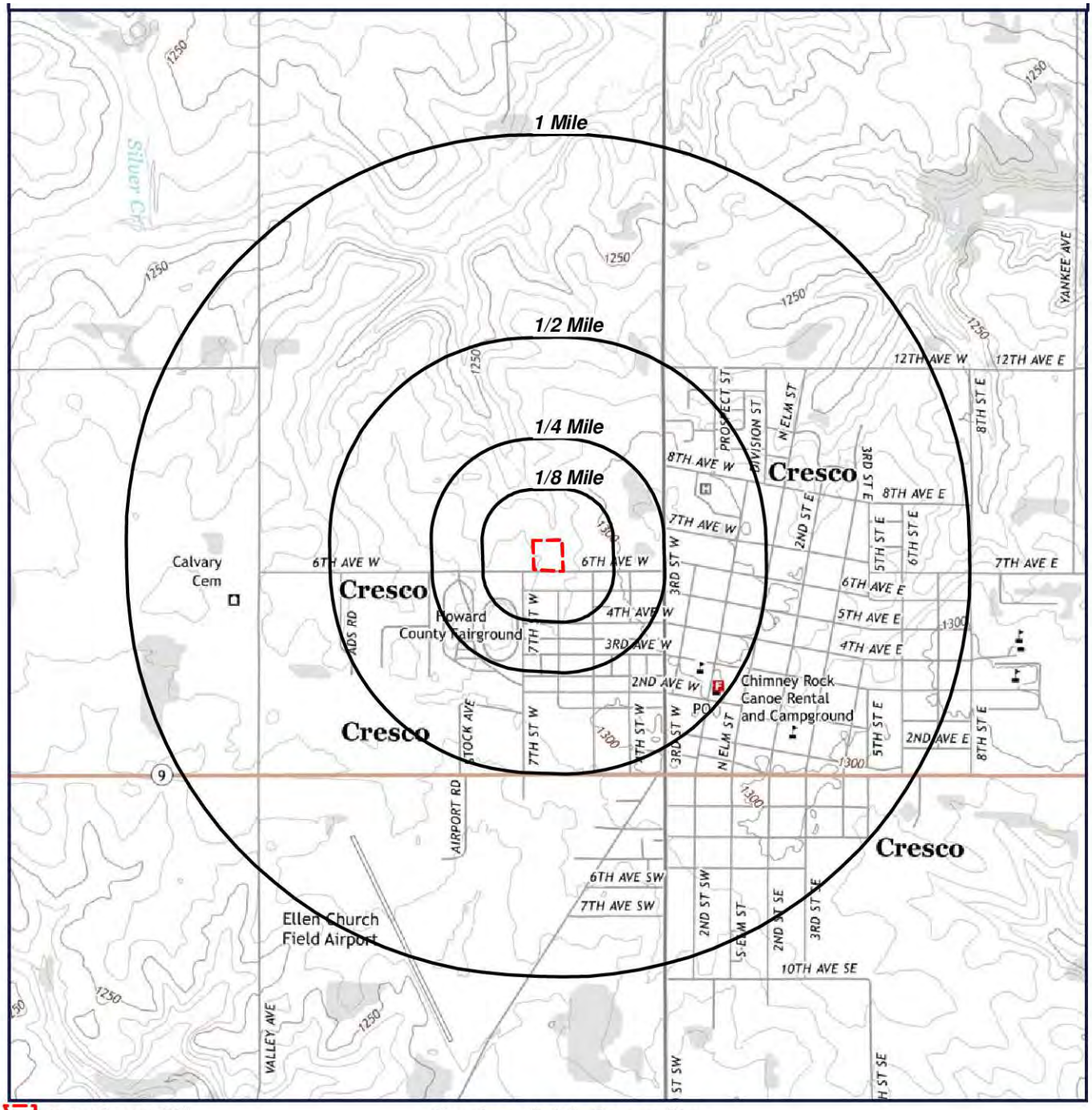
Quadrangle(s): Cresco Nw, Cresco Nw
Subject Property
616 6th Ave W
Cresco, Iowa
52136

N
W E
S

0' 500' 1000' 1500'
SCALE: 1" = 1000'

[Click here to access Satellite view]

Topographic Map



Target Property (TP)

Quadrangle(s): Cresco Nw, Cresco Nw
Source: USGS, 04/23/2013
Subject Property
616 6th Ave W
Cresco, Iowa
52136

N W E S

0' 1000' 2000' 3000'
SCALE: 1" = 2000'

[Click here to access Satellite view]

Located Sites Summary

*NOTE: Standard environmental records are displayed in **bold**.*

Map ID#	Database Name	Site ID#	Relative Elevation	Distance From Site	Site Name	Address	PAGE #
1	FRSIA	110057829417	Equal (1,285 ft.)	TP	INTEGRITY MILLS	616 6TH AVENUE W, CRESCO, IA 52136	16
2	***CS***	***1692CS***	***Higher (1,292 ft.)***	***0.028 mi. W (148 ft.)***	***FEATHER-LITE MFG.***	***724 6TH AVENUE, CRESCO, IA***	***17***
2	***RCRAGR07***	***IA0000229633***	***Higher (1,292 ft.)***	***0.028 mi. W (148 ft.)***	***FEATHERLITE TRAILERS***	***816 7TH ST W, CRESCO, IA 52136***	***18***
3	***CS***	***1591CS***	***Higher (1,293 ft.)***	***0.339 mi. S (1790 ft.)***	***CRESCO SHED***	***114 7TH STREET, CRESCO, IA***	***20***
3	***CS***	***836CS***	***Higher (1,293 ft.)***	***0.339 mi. S (1790 ft.)***	***CRESCO MAINTENANCE SHOP***	***114 7TH STREET, CRESCO, IA 52136***	***21***
3	***LUST***	***198601989LUST***	***Higher (1,293 ft.)***	***0.339 mi. S (1790 ft.)***	***SECONDARY ROADS CRESCO MAINT SHOP***	***114 SEVENTH STREET W, CRESCO, IA 52136***	***22***
4	***LUST***	***198603092LUST***	***Higher (1,305 ft.)***	***0.363 mi. ENE (1917 ft.)***	***HOSPITIAL SERVICES***	***235 8TH AVE WEST, CRESCO, IA 52136***	***28***
4	***SWF***	***20000122016***	***Higher (1,305 ft.)***	***0.363 mi. ENE (1917 ft.)***	***REGIONAL HEALTH SERVICES OF HOWARD COUNTY***	***235 8TH AVE WEST, CRESCO, IA 52136***	***32***
5	***LUST***	***198602490LUST***	***Higher (1,294 ft.)***	***0.431 mi. S (2276 ft.)***	***FARMERS COOP FEED***	***120 WEST 5TH ST, CRESCO, IA 52136***	***33***
6	***LUST***	***198608649LUST***	***Higher (1,294 ft.)***	***0.485 mi. S (2561 ft.)***	***CASEY'S GENERAL STORE***	***534 2ND AVE SW, CRESCO, IA 52136***	***37***
7	***BF***	***137681***	***Higher (1,300 ft.)***	***0.499 mi. ESE (2635 ft.)***	***114 2ND AVENUE WEST***	***114 2ND AVENUE WEST, CRESCO, IA 52136***	***40***
7	***CS***	***1032CS***	***Higher (1,300 ft.)***	***0.496 mi. ESE (2619 ft.)***	***HOWARDS DRY CLEANERS***	***122 2ND AVENUE, CRESCO, IA 52136***	***42***
8	***LUST***	***198604365LUST***	***Higher (1,297 ft.)***	***0.497 mi. SSE (2624 ft.)***	***CITY OF CRESCO***	***GROVE AVE, CRESCO, IA 52136***	***43***
9	***LUST***	***198606243LUST***	***Higher (1,297 ft.)***	***0.499 mi. SSE (2635 ft.)***	***STEVE & TOMS 66***	***330 2ND AVE SW, CRESCO, IA 52136***	***46***

Elevation Summary

Elevations are collected from the USGS 3D Elevation Program 1/3 arc-second (approximately 10 meters) layer hosted at the NGTOC. .

Target Property Elevation: 1285 ft.

*NOTE: Standard environmental records are displayed in **bold**.*

EQUAL/HIGHER ELEVATION

Map ID#	Database Name	Elevation	Site Name	Address	Page #
1	FRSIA	1,285 ft.	INTEGRITY MILLS	616 6TH AVENUE W, CRESCO, IA 52136	16
2	**CS**	**1,292 ft.**	**FEATHER-LITE MFG.**	**724 6TH AVENUE, CRESCO, IA**	**17**
2	**RCRAGR07**	**1,292 ft.**	**FEATHERLITE TRAILERS**	**816 7TH ST W, CRESCO, IA 52136**	**18**
3	**CS**	**1,293 ft.**	**CRESCO SHED**	**114 7TH STREET, CRESCO, IA**	**20**
3	**CS**	**1,293 ft.**	**CRESCO MAINTENANCE SHOP**	**114 7TH STREET, CRESCO, IA 52136**	**21**
3	**LUST**	**1,293 ft.**	**SECONDARY ROADS CRESCO MAINT SHOP**	**114 SEVENTH STREET W, CRESCO, IA 52136**	**22**
4	**LUST**	**1,305 ft.**	**HOSPITIAL SERVICES**	**235 8TH AVE WEST, CRESCO, IA 52136**	**28**
4	**SWF**	**1,305 ft.**	**REGIONAL HEALTH SERVICES OF HOWARD COUNTY**	**235 8TH AVE WEST, CRESCO, IA 52136**	**32**
5	**LUST**	**1,294 ft.**	**FARMERS COOP FEED**	**120 WEST 5TH ST, CRESCO, IA 52136**	**33**
6	**LUST**	**1,294 ft.**	**CASEY'S GENERAL STORE**	**534 2ND AVE SW, CRESCO, IA 52136**	**37**
7	**BF**	**1,300 ft.**	**114 2ND AVENUE WEST**	**114 2ND AVENUE WEST, CRESCO, IA 52136**	**40**
7	**CS**	**1,300 ft.**	**HOWARDS DRY CLEANERS**	**122 2ND AVENUE, CRESCO, IA 52136**	**42**
8	**LUST**	**1,297 ft.**	**CITY OF CRESCO**	**GROVE AVE, CRESCO, IA 52136**	**43**
9	**LUST**	**1,297 ft.**	**STEVE & TOMS 66**	**330 2ND AVE SW, CRESCO, IA 52136**	**46**

LOWER ELEVATION

No Records Found

Facility Registry System (FRSIA)

MAP ID# 1

Distance from Property: 0 mi. (0 ft.) X
Elevation: 1,285 ft. (Equal to TP)

FACILITY INFORMATION

REGISTRY ID: **110057829417**

NAME: **INTEGRITY MILLS**

LOCATION ADDRESS: **616 6TH AVENUE W**
CRESCO, IA 52136

COUNTY: **HOWARD**

EPA REGION: **07**

FEDERAL FACILITY: **NOT REPORTED**

TRIBAL LAND: **NOT REPORTED**

ALTERNATIVE NAME/S:

NO ALTERNATIVE NAME(S) LISTED FOR THIS FACILITY

PROGRAM/S LISTED FOR THIS FACILITY

OSHA-IMIS - OSHA-IMIS

STANDARD INDUSTRIAL CLASSIFICATION/S (SIC)

2043 - CEREAL BREAKFAST FOODS

NORTH AMERICAN INDUSTRY CLASSIFICATION/S (NAICS)

311230 - BREAKFAST CEREAL MANUFACTURING.

Back to Report Summary

MAP ID# 2

Distance from Property: 0.028 mi. (148 ft.) W
Elevation: 1,292 ft. (Higher than TP)

FACILITY INFORMATION

GEOSEARCH ID: **1692CS**
SUBSITE ID: **1692**
NAME: **FEATHER-LITE MFG.**
SUBSITE NAME: **NOT REPORTED**
ADDRESS: **724 6TH AVENUE**
CRESCO, IA
COUNTY: **HOWARD**
STATUS: **CLOSED**
TYPE: **UNKNOWN**
OWNERSHIP TYPE: **NOT SPECIFIED**
PROGRAM TYPE: **CHAPTER 133**
PROJECT MANAGER: **NOT REPORTED**
LEAD AGENCY: **NOT REPORTED**
PRIORITY: **NOT REPORTED**

Back to Report Summary

Resource Conservation & Recovery Act - Generator (RCRAGR07)

MAP ID# 2

Distance from Property: 0.028 mi. (148 ft.) W
Elevation: 1,292 ft. (Higher than TP)

FACILITY INFORMATION

EPA ID#: **IA0000229633**
NAME: **FEATHERLITE TRAILERS**
ADDRESS: **816 7TH ST W**
CRESCO, IA 52136
CONTACT NAME: **JILL M VAN ZANDBERGEN**
CONTACT ADDRESS: **PO BOX 380**
CRESCO IA 52136
CONTACT PHONE: **563-547-7062**
NON-NOTIFIER: **NOT A NON-NOTIFIER**
DATE RECEIVED BY AGENCY: **07/27/2015**

OWNER TYPE: **PRIVATE**
OWNER NAME: **UNIVERSAL TRAILER CORP**
OPERATOR TYPE: **PRIVATE**
OPERATOR NAME: **UNIVERSAL TRAILER CORP**

CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
BRUCE CANOVA	**NOWCC/SEE INVESTIGATOR**	**06/09/2015**
KEVIN M WEINACHT	**SENIOR DESIGN ENGINEER**	**03/06/2014**
TERRY C KNIGHT	_	**03/20/2013**
HEATHER K WOOD	**EPA CONTRACTOR, TETRA TECH EMI**	**07/16/2008**

INDUSTRY CLASSIFICATION (NAICS)

326199 - ALL OTHER PLASTICS PRODUCT MANUFACTURING
336212 - TRUCK TRAILER MANUFACTURING

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **SMALL QUANTITY GENERATOR** LAST UPDATED DATE: **08/18/2015**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**
UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **NO**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS

07/09/2015	**CEI**	**COMPLIANCE EVALUATION INSPECTION ON-SITE**
07/16/2008	**CEI**	**COMPLIANCE EVALUATION INSPECTION ON-SITE**
12/12/1995	**CAV**	**COMPLIANCE ASSISTANCE VISIT**

VIOLATIONS

07/16/2008	**265.I**	**TSD IS-CONTAINER USE AND MANAGEMENT**

07/16/2008 **273.B UNIVERSAL WASTE - SMALL QUANTITY HANDLERS**

09/09/2008 **262.A GENERATORS - GENERAL**

09/26/2008 **262.C GENERATORS - PRE-TRANSPORT**

ENFORCEMENTS

12/02/2008 **120 WRITTEN INFORMAL**

HAZARDOUS WASTE

D000

D001 **IGNITABLE WASTE**

D005 **BARIUM**

D007 **CHROMIUM**

D009 **MERCURY**

D035 **METHYL ETHYL KETONE**

F003 **THE FOLLOWING SPENT NON-HALOGENATED 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.**

F005 **THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL 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.**

UOIL

UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**

CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**

CORRECTIVE ACTION EVENT

NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

MAP ID# 3

Distance from Property: 0.339 mi. (1,790 ft.) S
Elevation: 1,293 ft. (Higher than TP)

FACILITY INFORMATION

GEOSEARCH ID: **1591CS**
SUBSITE ID: **1591**
NAME: **CRESCO SHED**
SUBSITE NAME: **NOT REPORTED**
ADDRESS: **114 7TH STREET**
CRESCO, IA
COUNTY: **HOWARD**
STATUS: **CLOSED**
TYPE: **UNKNOWN**
OWNERSHIP TYPE: **NOT SPECIFIED**
PROGRAM TYPE: **CHAPTER 133**
PROJECT MANAGER: **NOT REPORTED**
LEAD AGENCY: **NOT REPORTED**
PRIORITY: **NOT REPORTED**

Back to Report Summary

MAP ID# 3

Distance from Property: 0.339 mi. (1,790 ft.) S
Elevation: 1,293 ft. (Higher than TP)

FACILITY INFORMATION

GEOSEARCH ID: **836CS**
SUBSITE ID: **836**
NAME: **CRESCO MAINTENANCE SHOP**
SUBSITE NAME: **NOT REPORTED**
ADDRESS: **114 7TH STREET**
CRESCO, IA 52136-0000
COUNTY: **HOWARD**
STATUS: **CLOSED**
TYPE: **SPILL**
OWNERSHIP TYPE: **PRIVATE**
PROGRAM TYPE: **CERCLA PREREMEDIAL**
PROJECT MANAGER: **MATT CULP**
LEAD AGENCY: **DNR**
PRIORITY: **CONTAMINATION HAS BEEN DETECTED ABOVE A STATEWIDE STANDARD, BUT A HAZARDOUS CONDITION IS UNLIKELY AND ADDITIONAL INVESTIGATION OR SAMPLING IS NOT REQUIRED AT THE TIME OF REVIEW. IF MORE INFORMATION BECOMES AVAILABLE IN THE FUTURE THAT INDICATES A HAZARDOUS CONDITION MIGHT BE PRESENT, THEN THE SITE WILL BE REOPENED AND ADDITIONAL WORK REQUIRED.**

Back to Report Summary

Leaking Underground Storage Tanks (LUST)

MAP ID# 3

Distance from Property: 0.339 mi. (1,790 ft.) S
Elevation: 1,293 ft. (Higher than TP)

FACILITY INFORMATION

GEOSEARCH ID: **198601989LUST**
REGISTRATION NO: **198601989**
UST ID: **2522**
NAME: **SECONDARY ROADS CRESCO MAINT SHOP**
ADDRESS: **114 SEVENTH STREET W**
CRESCO, IA 52136
SUPPLEMENTAL LOCATION: **NOT REPORTED**
LOCATION COMMENT:
FORMER LOCATION OF 2 -1000 GAL TANKS AT CENTER OF PROPERTY

RELEASE DETAILS

LEAK NUMBER: **9LTK06**
LUST ID: **5916**
START DATE: **12/20/2001**
DATE REPORTED: **12/14/2001**
DATE DISCOVERED: **11/9/2001**
DATE OCCURRED: **NOT REPORTED**
SPILL NUMBER: **NOT REPORTED**
SPILL DATE: **NOT REPORTED**
LEAD: **RESPONSIBLE PARTY**
DISCOVER DURING: **CLOSURE SAMPLING**
INITAL LEAK STATUS: **STOPPED**
NUMBER OF TANKS REMOVED: **NOT REPORTED**
LEAK CAUSE: **SPILL**
LEAKED PRODUCT: **WASTE OIL**
AMOUNT LEAKED: **NOT REPORTED**
NON-REGULATED TANKS: **NO NON-REGULATED TANKS FOUND**

CLASSIFICATION

LUST ID: **5916**
PRIORITY RANKING: **NOT REPORTED**
RISK CLASSIFICATION: **NO ACTION**
RISK CLASSIFICATION DATE: **5/21/2004**
RELEASED NOT VERIFIED: **NOT REPORTED**
CLEANUP START DATE: **8/5/2002**
CLEANUP COMPLETE DATE: **5/21/2004**

INSTITUTIONAL CONTROL

NO INSTITUTIONAL CONTROL REPORTED

TIER1

LUST ID: **5916**
CONSULTANT RECOMMENDS: **NOT REPORTED**
GROUNDWATER INGESTION ACTUAL DRINKING WATER WELL: **NO**
GROUNDWATER INGESTION POTENTIAL NON DRINKING WATER WELL: **NO**
GROUNDWATER INGESTION POTENTIAL PROTECTED GROUNDWATER: **NO**
GROUNDWATER VAPOR TO ENCLOSED SPACE: **NO**

GROUNDWATER TO PLASTIC WATER LINE: **NO**
SURFACE WATER: **NO**
SOIL LEACHING TO GROUNDWATER: **NO**
SOIL VAPOR TO ENCLOSED SPACE: **NO**
SOIL TO PLASTIC WATER LINE: **NO**

TIER2

LUST ID: **5916**
CONSULTANT RECOMMENDS: **NOT REPORTED**
GROUNDWATER INGESTION ACTUAL DRINKING WATER WELL: **NOT REPORTED**
GROUNDWATER INGESTION POTENTIAL NON DRINKING WATER WELL: **NOT REPORTED**
GROUNDWATER INGESTION POTENTIAL PROTECTED GROUNDWATER: **NOT REPORTED**
GROUNDWATER VAPOR TO ENCLOSED SPACE: **NOT REPORTED**
GROUNDWATER TO PLASTIC WATER LINE: **NOT REPORTED**
SURFACE WATER GENERAL USE: **NOT REPORTED**
SURFACE WATER DESIGNATED USE: **NOT REPORTED**
SOIL LEACHING TO GROUNDWATER: **NOT REPORTED**
SOIL VAPOR TO ENCLOSED SPACE: **NOT REPORTED**
SOIL TO PLASTIC WATER LINE: **NOT REPORTED**

REMEDIATION NO REMEDIATION REPORTED

UST INFORMATION

TANK ID: **5410**
TANK BRAND: **NOT REPORTED**
IN USE: **0**
TEMPORARY CLOSED DATE: **4/1/1981**
LAST CONTAINED PRODUCT: **NOT REPORTED**
OUT OF USE: **NOT REPORTED**
DATE INSTALLED: **9/1/1968**
CP TEST DATE: **NOT REPORTED**
CONSTRUCTION MATERIAL: **STEEL INTERIOR LINED WITH FIBE**
DATE TANK LINED: **NOT REPORTED**
TYPE: **NOT REPORTED**
FILLED IN PLACE: **NOT REPORTED**
DATE FILLED IN PLACE: **NOT REPORTED**
IDENTIFY INERT MATERIAL: **NOT REPORTED**
DATE TANK REMOVAL: **4/1/1988**
NFA DATE: **NOT REPORTED**
EXTERNAL PROTECTION: **NOT REPORTED**
COMPARTMENT NBR: **5480**
CONTENTS: **OTHER**
CAPACITY (GAL.): **500**
COMPARTMENT INSTALL DATE: **9/1/1968**
STATUS: **NON-REGULATED HEATING OIL TANK - R/F**

TANK ID: **5411**
TANK BRAND: **NOT REPORTED**

IN USE: **0**
TEMPORARY CLOSED DATE: **11/1/1985**
LAST CONTAINED PRODUCT: **NOT REPORTED**
OUT OF USE: **NOT REPORTED**
DATE INSTALLED: **6/1/1975**
CP TEST DATE: **NOT REPORTED**
CONSTRUCTION MATERIAL: **STEEL INTERIOR LINED WITH FIBE**
DATE TANK LINED: **NOT REPORTED**
TYPE: **OTHER**
FILLED IN PLACE: **NOT REPORTED**
DATE FILLED IN PLACE: **NOT REPORTED**
IDENTIFY INERT MATERIAL: **NOT REPORTED**
DATE TANK REMOVAL: **9/20/1990**
NFA DATE: **12/31/1899**
EXTERNAL PROTECTION: **NOT REPORTED**
COMPARTMENT NBR: **5481**
CONTENTS: **REGULAR (87)**
CAPACITY (GAL.): **500**
COMPARTMENT INSTALL DATE: **6/1/1975**
STATUS: **REGULATED TANKS - R/F**

TANK ID: **5412**
TANK BRAND: **NOT REPORTED**
IN USE: **0**
TEMPORARY CLOSED DATE: **NOT REPORTED**
LAST CONTAINED PRODUCT: **NOT REPORTED**
OUT OF USE: **NOT REPORTED**
DATE INSTALLED: **5/1/1970**
CP TEST DATE: **NOT REPORTED**
CONSTRUCTION MATERIAL: **STEEL INTERIOR LINED WITH FIBE**
DATE TANK LINED: **NOT REPORTED**
TYPE: **OTHER**
FILLED IN PLACE: **NOT REPORTED**
DATE FILLED IN PLACE: **NOT REPORTED**
IDENTIFY INERT MATERIAL: **NOT REPORTED**
DATE TANK REMOVAL: **9/20/1990**
NFA DATE: **12/31/1899**
EXTERNAL PROTECTION: **NOT REPORTED**
COMPARTMENT NBR: **5482**
CONTENTS: **REGULAR (87)**
CAPACITY (GAL.): **1000**
COMPARTMENT INSTALL DATE: **5/1/1970**
STATUS: **REGULATED TANKS - R/F**

TANK ID: **5413**
TANK BRAND: **NOT REPORTED**
IN USE: **0**

TEMPORARY CLOSED DATE: **NOT REPORTED**
LAST CONTAINED PRODUCT: **NOT REPORTED**
OUT OF USE: **NOT REPORTED**
DATE INSTALLED: **4/1/1983**
CP TEST DATE: **NOT REPORTED**
CONSTRUCTION MATERIAL: **STEEL INTERIOR LINED WITH FIBE**
DATE TANK LINED: **NOT REPORTED**
TYPE: **OTHER**
FILLED IN PLACE: **NOT REPORTED**
DATE FILLED IN PLACE: **NOT REPORTED**
IDENTIFY INERT MATERIAL: **NOT REPORTED**
DATE TANK REMOVAL: **9/20/1990**
NFA DATE: **12/31/1899**
EXTERNAL PROTECTION: **NOT REPORTED**
COMPARTMENT NBR: **5483**
CONTENTS: **REGULAR (87)**
CAPACITY (GAL.): **500**
COMPARTMENT INSTALL DATE: **4/1/1983**
STATUS: **REGULATED TANKS - R/F**

TANK ID: **5414**
TANK BRAND: **NOT REPORTED**
IN USE: **0**
TEMPORARY CLOSED DATE: **NOT REPORTED**
LAST CONTAINED PRODUCT: **NOT REPORTED**
OUT OF USE: **NOT REPORTED**
DATE INSTALLED: **7/1/1984**
CP TEST DATE: **NOT REPORTED**
CONSTRUCTION MATERIAL: **STEEL INTERIOR LINED WITH FIBE**
DATE TANK LINED: **NOT REPORTED**
TYPE: **OTHER**
FILLED IN PLACE: **NOT REPORTED**
DATE FILLED IN PLACE: **NOT REPORTED**
IDENTIFY INERT MATERIAL: **NOT REPORTED**
DATE TANK REMOVAL: **9/20/1990**
NFA DATE: **12/31/1899**
EXTERNAL PROTECTION: **NOT REPORTED**
COMPARTMENT NBR: **5484**
CONTENTS: **DIESEL**
CAPACITY (GAL.): **1000**
COMPARTMENT INSTALL DATE: **7/1/1984**
STATUS: **REGULATED TANKS - R/F**

TANK ID: **5415**
TANK BRAND: **NOT REPORTED**
IN USE: **0**
TEMPORARY CLOSED DATE: **11/1/1980**

LAST CONTAINED PRODUCT: **NOT REPORTED**
OUT OF USE: **NOT REPORTED**
DATE INSTALLED: **5/1/1958**
CP TEST DATE: **NOT REPORTED**
CONSTRUCTION MATERIAL: **STEEL INTERIOR LINED WITH FIBE**
DATE TANK LINED: **NOT REPORTED**
TYPE: **NOT REPORTED**
FILLED IN PLACE: **NOT REPORTED**
DATE FILLED IN PLACE: **NOT REPORTED**
IDENTIFY INERT MATERIAL: **NOT REPORTED**
DATE TANK REMOVAL: **4/1/1988**
NFA DATE: **NOT REPORTED**
EXTERNAL PROTECTION: **NOT REPORTED**
COMPARTMENT NBR: **5485**
CONTENTS: **OTHER**
CAPACITY (GAL.): **1000**
COMPARTMENT INSTALL DATE: **5/1/1958**
STATUS: **NON-REGULATED HEATING OIL TANK - R/F**

TANK ID: **5416**
TANK BRAND: **NOT REPORTED**
IN USE: **0**
TEMPORARY CLOSED DATE: **10/16/2001**
LAST CONTAINED PRODUCT: **NOT REPORTED**
OUT OF USE: **NOT REPORTED**
DATE INSTALLED: **6/1/1990**
CP TEST DATE: **NOT REPORTED**
CONSTRUCTION MATERIAL: **STEEL**
DATE TANK LINED: **NOT REPORTED**
TYPE: **OTHER**
FILLED IN PLACE: **NOT REPORTED**
DATE FILLED IN PLACE: **NOT REPORTED**
IDENTIFY INERT MATERIAL: **NOT REPORTED**
DATE TANK REMOVAL: **10/25/2001**
NFA DATE: **NOT REPORTED**
EXTERNAL PROTECTION: **CATHODIC PROTECTION; FACTORY APPLIED COAL TAR EPOXY COATED; FACTORY INSTALLED CATHODIC PROTECTION**
COMPARTMENT NBR: **5486**
CONTENTS: **REGULAR (87)**
CAPACITY (GAL.): **1000**
COMPARTMENT INSTALL DATE: **6/1/1990**
STATUS: **REGULATED TANKS - R/F**

TANK ID: **5417**
TANK BRAND: **NOT REPORTED**
IN USE: **0**
TEMPORARY CLOSED DATE: **10/16/2001**

LAST CONTAINED PRODUCT: **NOT REPORTED**
OUT OF USE: **NOT REPORTED**
DATE INSTALLED: **6/1/1990**
CP TEST DATE: **NOT REPORTED**
CONSTRUCTION MATERIAL: **STEEL**
DATE TANK LINED: **NOT REPORTED**
TYPE: **OTHER**
FILLED IN PLACE: **NOT REPORTED**
DATE FILLED IN PLACE: **NOT REPORTED**
IDENTIFY INERT MATERIAL: **NOT REPORTED**
DATE TANK REMOVAL: **10/25/2001**
NFA DATE: **NOT REPORTED**
EXTERNAL PROTECTION: **CATHODIC PROTECTION; FACTORY APPLIED COAL TAR EPOXY COATED; FACTORY INSTALLED CATHODIC PROTECTION**
COMPARTMENT NBR: **5487**
CONTENTS: **DIESEL**
CAPACITY (GAL.): **1000**
COMPARTMENT INSTALL DATE: **6/1/1990**
STATUS: **REGULATED TANKS - R/F**

Back to Report Summary

Leaking Underground Storage Tanks (LUST)

MAP ID# 4

Distance from Property: 0.363 mi. (1,917 ft.) ENE
Elevation: 1,305 ft. (Higher than TP)

FACILITY INFORMATION

GEOSEARCH ID: **198603092LUST**
REGISTRATION NO: **198603092**
UST ID: **3592**
NAME: **HOSPITIAL SERVICES**
ADDRESS: **235 8TH AVE WEST**
CRESCO, IA 52136
SUPPLEMENTAL LOCATION: **NOT REPORTED**
LOCATION COMMENT:
TANK S OF HOSPITAL BUILDING; NE OF MAINTENANCE GARAGE

RELEASE DETAILS

LEAK NUMBER: **9LTG58**
LUST ID: **1596**
START DATE: **9/11/1998**
DATE REPORTED: **9/3/1998**
DATE DISCOVERED: **7/23/1998**
DATE OCCURRED: **NOT REPORTED**
SPILL NUMBER: **NOT REPORTED**
SPILL DATE: **NOT REPORTED**
LEAD: **RESPONSIBLE PARTY**
DISCOVER DURING: **OTHER**
INITAL LEAK STATUS: **UNKNOWN**
NUMBER OF TANKS REMOVED: **NOT REPORTED**
LEAK CAUSE: **NO LEAK CAUSES FOUND**
LEAKED PRODUCT: **WASTE OIL**
AMOUNT LEAKED: **NOT REPORTED**
NON-REGULATED TANKS: **NO NON-REGULATED TANKS FOUND**

CLASSIFICATION

LUST ID: **1596**
PRIORITY RANKING: **HIGH RISK (PROPOSED)**
RISK CLASSIFICATION: **NO ACTION**
RISK CLASSIFICATION DATE: **7/21/2003**
RELEASED NOT VERIFIED: **NOT REPORTED**
CLEANUP START DATE: **11/5/1998**
CLEANUP COMPLETE DATE: **7/21/2003**

INSTITUTIONAL CONTROL

NO INSTITUTIONAL CONTROL REPORTED

TIER1

LUST ID: **1596**
CONSULTANT RECOMMENDS: **NOT REPORTED**
GROUNDWATER INGESTION ACTUAL DRINKING WATER WELL: **NO**
GROUNDWATER INGESTION POTENTIAL NON DRINKING WATER WELL: **NO**
GROUNDWATER INGESTION POTENTIAL PROTECTED GROUNDWATER: **NO**
GROUNDWATER VAPOR TO ENCLOSED SPACE: **NO**

GROUNDWATER TO PLASTIC WATER LINE: **NO**
SURFACE WATER: **NO**
SOIL LEACHING TO GROUNDWATER: **NO**
SOIL VAPOR TO ENCLOSED SPACE: **NO**
SOIL TO PLASTIC WATER LINE: **NO**

TIER2

LUST ID: **1596**
CONSULTANT RECOMMENDS: **NFA**
GROUNDWATER INGESTION ACTUAL DRINKING WATER WELL: **NFA**
GROUNDWATER INGESTION POTENTIAL NON DRINKING WATER WELL: **NFA**
GROUNDWATER INGESTION POTENTIAL PROTECTED GROUNDWATER: **NFA**
GROUNDWATER VAPOR TO ENCLOSED SPACE: **NFA**
GROUNDWATER TO PLASTIC WATER LINE: **NFA**
SURFACE WATER GENERAL USE: **NFA**
SURFACE WATER DESIGNATED USE: **NFA**
SOIL LEACHING TO GROUNDWATER: **NFA**
SOIL VAPOR TO ENCLOSED SPACE: **NFA**
SOIL TO PLASTIC WATER LINE: **NFA**

REMEDIATION

LUST ID: **1596**
SOIL TREATMENT OVER-EXCAVATION: **NOT REPORTED**
SOIL VENTING: **NOT REPORTED**
BIO-REMEDIATION: **NOT REPORTED**
TREATMENT IN-SITU GROUNDWATER TREATMENT: **NOT REPORTED**
PERMIT DATE: **NOT REPORTED**
SURFACE TREATMENT: **NOT REPORTED**
TREATED DISCHARGE TO: **NOT REPORTED**

UST INFORMATION

TANK ID: **8437**
TANK BRAND: **NOT REPORTED**
IN USE: **0**
TEMPORARY CLOSED DATE: **NOT REPORTED**
LAST CONTAINED PRODUCT: **NOT REPORTED**
OUT OF USE: **NOT REPORTED**
DATE INSTALLED: **4/4/2011**
CP TEST DATE: **NOT REPORTED**
CONSTRUCTION MATERIAL: **STEEL**
DATE TANK LINED: **NOT REPORTED**
TYPE: **OTHER**
FILLED IN PLACE: **NOT REPORTED**
DATE FILLED IN PLACE: **NOT REPORTED**
IDENTIFY INERT MATERIAL: **NOT REPORTED**
DATE TANK REMOVAL: **5/1/1988**
NFA DATE: **12/31/1899**
EXTERNAL PROTECTION: **NOT REPORTED**

COMPARTMENT NBR: **8543**
CONTENTS: **OTHER**
CAPACITY (GAL.): **10000**
COMPARTMENT INSTALL DATE: **4/1/1960**
STATUS: **NON-REGULATED HEATING OIL TANK - R/F**

TANK ID: **8438**
TANK BRAND: **NOT REPORTED**
IN USE: **0**
TEMPORARY CLOSED DATE: **12/1/1981**
LAST CONTAINED PRODUCT: **NOT REPORTED**
OUT OF USE: **NOT REPORTED**
DATE INSTALLED: **4/4/2011**
CP TEST DATE: **NOT REPORTED**
CONSTRUCTION MATERIAL: **STEEL**
DATE TANK LINED: **NOT REPORTED**
TYPE: **OTHER**
FILLED IN PLACE: **NOT REPORTED**
DATE FILLED IN PLACE: **NOT REPORTED**
IDENTIFY INERT MATERIAL: **NOT REPORTED**
DATE TANK REMOVAL: **5/1/1988**
NFA DATE: **12/31/1899**
EXTERNAL PROTECTION: **NOT REPORTED**
COMPARTMENT NBR: **8544**
CONTENTS: **REGULAR (87)**
CAPACITY (GAL.): **550**
COMPARTMENT INSTALL DATE: **4/1/1960**
STATUS: **REGULATED TANKS - R/F**

TANK ID: **8439**
TANK BRAND: **NOT REPORTED**
IN USE: **1**
TEMPORARY CLOSED DATE: **NOT REPORTED**
LAST CONTAINED PRODUCT: **NOT REPORTED**
OUT OF USE: **NOT REPORTED**
DATE INSTALLED: **9/1/1988**
CP TEST DATE: **NOT REPORTED**
CONSTRUCTION MATERIAL: **DOUBLE WALL STEEL**
DATE TANK LINED: **NOT REPORTED**
TYPE: **OTHER**
FILLED IN PLACE: **NOT REPORTED**
DATE FILLED IN PLACE: **NOT REPORTED**
IDENTIFY INERT MATERIAL: **NOT REPORTED**
DATE TANK REMOVAL: **NOT REPORTED**
NFA DATE: **NOT REPORTED**
EXTERNAL PROTECTION: **CATHODIC PROTECTION; FACTORY APPLIED COAL TAR EPOXY COATED; FACTORY INSTALLED CATHODIC PROTECTION**

COMPARTMENT NBR: **8545**
CONTENTS: **OTHER**
CAPACITY (GAL.): **1000**
COMPARTMENT INSTALL DATE: **9/1/1988**
STATUS: **NON-REGULATED HEATING OIL TANK - ACTIVE**

Back to Report Summary

MAP ID# 4

Distance from Property: 0.363 mi. (1,917 ft.) ENE
Elevation: 1,305 ft. (Higher than TP)

FACILITY INFORMATION

GEOSEARCH ID: **20000122016**
FACILITY ID: **310201931**
NAME: **REGIONAL HEALTH SERVICES OF HOWARD COUNTY**
ADDRESS: **235 8TH AVE WEST**
CRESCO, IA 52136
COUNTY: **HOWARD**
FIELD OFFICE: **MANCHESTER - NORTHEAST**
LOCATION SUPPLEMENTAL: **NORTH 470', BLOCK 8, BEADLE'S SUBDIVISION, IRREGUL**

FACILITY DETAILS

PERMIT ID: **45-SDP-01-89**
STATUS: **RESCISSION**
START DATE: **2004-07-16T00:00:00.000Z**
PROGRAM TYPE: **RECYCLING AND PROCESSING**
OPERATING PERMIT TYPE: **INCINERATOR**
OPERATING PERMIT STATUS: **RESCISSION**
OPERATING PERMIT EXPIRED: **NOT REPORTED**
WEB LINK: **https://programs.iowadnr.gov/solidwaste/reports/facilitysnapshot.aspx?p=45-sdp-01-89**

Back to Report Summary

Leaking Underground Storage Tanks (LUST)

MAP ID# 5

Distance from Property: 0.431 mi. (2,276 ft.) S
Elevation: 1,294 ft. (Higher than TP)

FACILITY INFORMATION

GEOSEARCH ID: **198602490LUST**
REGISTRATION NO: **198602490**
UST ID: **3010**
NAME: **FARMERS COOP FEED**
ADDRESS: **120 WEST 5TH ST**
CRESCO, IA 52136
SUPPLEMENTAL LOCATION: **NOT REPORTED**
LOCATION COMMENT:
TANK PIT S OF GRAIN BINS

RELEASE DETAILS

LEAK NUMBER: **8LTR93**
LUST ID: **1342**
START DATE: **1/24/1992**
DATE REPORTED: **1/14/1992**
DATE DISCOVERED: **9/15/1990**
DATE OCCURRED: **NOT REPORTED**
SPILL NUMBER: **NOT REPORTED**
SPILL DATE: **NOT REPORTED**
LEAD: **RESPONSIBLE PARTY**
DISCOVER DURING: **REMOVAL**
INITAL LEAK STATUS: **STOPPED**
NUMBER OF TANKS REMOVED: **NOT REPORTED**
LEAK CAUSE: **UNKNOWN**
LEAKED PRODUCT: **GASOLINE; DIESEL**
AMOUNT LEAKED: **NOT REPORTED**
NON-REGULATED TANKS: **NO NON-REGULATED TANKS FOUND**

CLASSIFICATION

LUST ID: **1342**
PRIORITY RANKING: **NOT REPORTED**
RISK CLASSIFICATION: **NO ACTION**
RISK CLASSIFICATION DATE: **10/29/1994**
RELEASED NOT VERIFIED: **NOT REPORTED**
CLEANUP START DATE: **9/1/1993**
CLEANUP COMPLETE DATE: **10/29/1994**

INSTITUTIONAL CONTROL

NO INSTITUTIONAL CONTROL REPORTED

TIER1

LUST ID: **1342**
CONSULTANT RECOMMENDS: **NOT REPORTED**
GROUNDWATER INGESTION ACTUAL DRINKING WATER WELL: **NO**
GROUNDWATER INGESTION POTENTIAL NON DRINKING WATER WELL: **NO**
GROUNDWATER INGESTION POTENTIAL PROTECTED GROUNDWATER: **NO**
GROUNDWATER VAPOR TO ENCLOSED SPACE: **NO**

GROUNDWATER TO PLASTIC WATER LINE: **NO**
SURFACE WATER: **NO**
SOIL LEACHING TO GROUNDWATER: **NO**
SOIL VAPOR TO ENCLOSED SPACE: **NO**
SOIL TO PLASTIC WATER LINE: **NO**

TIER2

LUST ID: **1342**
CONSULTANT RECOMMENDS: **NOT REPORTED**
GROUNDWATER INGESTION ACTUAL DRINKING WATER WELL: **NOT REPORTED**
GROUNDWATER INGESTION POTENTIAL NON DRINKING WATER WELL: **NOT REPORTED**
GROUNDWATER INGESTION POTENTIAL PROTECTED GROUNDWATER: **NOT REPORTED**
GROUNDWATER VAPOR TO ENCLOSED SPACE: **NOT REPORTED**
GROUNDWATER TO PLASTIC WATER LINE: **NOT REPORTED**
SURFACE WATER GENERAL USE: **NOT REPORTED**
SURFACE WATER DESIGNATED USE: **NOT REPORTED**
SOIL LEACHING TO GROUNDWATER: **NOT REPORTED**
SOIL VAPOR TO ENCLOSED SPACE: **NOT REPORTED**
SOIL TO PLASTIC WATER LINE: **NOT REPORTED**

REMEDIATION

LUST ID: **1342**
SOIL TREATMENT OVER-EXCAVATION: **NOT REPORTED**
SOIL VENTING: **NOT REPORTED**
BIO-REMEDIATION: **NOT REPORTED**
TREATMENT IN-SITU GROUNDWATER TREATMENT: **NOT REPORTED**
PERMIT DATE: **NOT REPORTED**
SURFACE TREATMENT: **NOT REPORTED**
TREATED DISCHARGE TO: **NOT REPORTED**

UST INFORMATION

TANK ID: **6787**
TANK BRAND: **NOT REPORTED**
IN USE: **0**
TEMPORARY CLOSED DATE: **NOT REPORTED**
LAST CONTAINED PRODUCT: **NOT REPORTED**
OUT OF USE: **NOT REPORTED**
DATE INSTALLED: **8/1/1974**
CP TEST DATE: **NOT REPORTED**
CONSTRUCTION MATERIAL: **STEEL**
DATE TANK LINED: **NOT REPORTED**
TYPE: **COMMERCIAL**
FILLED IN PLACE: **NOT REPORTED**
DATE FILLED IN PLACE: **NOT REPORTED**
IDENTIFY INERT MATERIAL: **NOT REPORTED**
DATE TANK REMOVAL: **9/15/1990**
NFA DATE: **12/31/1899**
EXTERNAL PROTECTION: **NOT REPORTED**

COMPARTMENT NBR: **6879**
CONTENTS: **REGULAR (87)**
CAPACITY (GAL.): **500**
COMPARTMENT INSTALL DATE: **8/1/1974**
STATUS: **REGULATED TANKS - R/F**

TANK ID: **6788**
TANK BRAND: **NOT REPORTED**
IN USE: **0**
TEMPORARY CLOSED DATE: **NOT REPORTED**
LAST CONTAINED PRODUCT: **NOT REPORTED**
OUT OF USE: **NOT REPORTED**
DATE INSTALLED: **2/1/1975**
CP TEST DATE: **NOT REPORTED**
CONSTRUCTION MATERIAL: **STEEL**
DATE TANK LINED: **NOT REPORTED**
TYPE: **COMMERCIAL**
FILLED IN PLACE: **NOT REPORTED**
DATE FILLED IN PLACE: **NOT REPORTED**
IDENTIFY INERT MATERIAL: **NOT REPORTED**
DATE TANK REMOVAL: **9/15/1990**
NFA DATE: **12/31/1899**
EXTERNAL PROTECTION: **NOT REPORTED**
COMPARTMENT NBR: **6880**
CONTENTS: **DIESEL**
CAPACITY (GAL.): **500**
COMPARTMENT INSTALL DATE: **2/1/1975**
STATUS: **REGULATED TANKS - R/F**

TANK ID: **6789**
TANK BRAND: **NOT REPORTED**
IN USE: **0**
TEMPORARY CLOSED DATE: **NOT REPORTED**
LAST CONTAINED PRODUCT: **NOT REPORTED**
OUT OF USE: **NOT REPORTED**
DATE INSTALLED: **12/1/1979**
CP TEST DATE: **NOT REPORTED**
CONSTRUCTION MATERIAL: **STEEL**
DATE TANK LINED: **NOT REPORTED**
TYPE: **COMMERCIAL**
FILLED IN PLACE: **NOT REPORTED**
DATE FILLED IN PLACE: **NOT REPORTED**
IDENTIFY INERT MATERIAL: **NOT REPORTED**
DATE TANK REMOVAL: **9/15/1990**
NFA DATE: **12/31/1899**
EXTERNAL PROTECTION: **NOT REPORTED**
COMPARTMENT NBR: **6881**

CONTENTS: **REGULAR (87)**
CAPACITY (GAL.): **1000**
COMPARTMENT INSTALL DATE: **12/1/1979**
STATUS: **REGULATED TANKS - R/F**

Back to Report Summary

Leaking Underground Storage Tanks (LUST)

MAP ID# 6

Distance from Property: 0.485 mi. (2,561 ft.) S
Elevation: 1,294 ft. (Higher than TP)

FACILITY INFORMATION

GEOSEARCH ID: **198608649LUST**
REGISTRATION NO: **198608649**
UST ID: **8835**
NAME: **CASEY'S GENERAL STORE**
ADDRESS: **534 2ND AVE SW**
CRESCO, IA 52136
SUPPLEMENTAL LOCATION: **NOT REPORTED**
LOCATION COMMENT:
TANK PIT S OF STORE BUILDING

RELEASE DETAILS

LEAK NUMBER: **7LTU22**
LUST ID: **4022**
START DATE: **9/17/1990**
DATE REPORTED: **9/4/1990**
DATE DISCOVERED: **NOT REPORTED**
DATE OCCURRED: **NOT REPORTED**
SPILL NUMBER: **NOT REPORTED**
SPILL DATE: **NOT REPORTED**
LEAD: **STATE FUND**
DISCOVER DURING: **OTHER**
INITAL LEAK STATUS: **UNKNOWN**
NUMBER OF TANKS REMOVED: **NOT REPORTED**
LEAK CAUSE: **UNKNOWN**
LEAKED PRODUCT: **GASOLINE**
AMOUNT LEAKED: **NOT REPORTED**
NON-REGULATED TANKS: **NO NON-REGULATED TANKS FOUND**

CLASSIFICATION

LUST ID: **4022**
PRIORITY RANKING: **NOT REPORTED**
RISK CLASSIFICATION: **NO ACTION**
RISK CLASSIFICATION DATE: **11/6/1998**
RELEASED NOT VERIFIED: **NOT REPORTED**
CLEANUP START DATE: **12/9/1994**
CLEANUP COMPLETE DATE: **11/6/1998**

INSTITUTIONAL CONTROL

NO INSTITUTIONAL CONTROL REPORTED

TIER1

LUST ID: **4022**
CONSULTANT RECOMMENDS: **NOT REPORTED**
GROUNDWATER INGESTION ACTUAL DRINKING WATER WELL: **NO**
GROUNDWATER INGESTION POTENTIAL NON DRINKING WATER WELL: **NO**
GROUNDWATER INGESTION POTENTIAL PROTECTED GROUNDWATER: **NO**
GROUNDWATER VAPOR TO ENCLOSED SPACE: **NO**

GROUNDWATER TO PLASTIC WATER LINE: **NO**
SURFACE WATER: **NO**
SOIL LEACHING TO GROUNDWATER: **NO**
SOIL VAPOR TO ENCLOSED SPACE: **NO**
SOIL TO PLASTIC WATER LINE: **NO**

TIER2

LUST ID: **4022**
CONSULTANT RECOMMENDS: **NOT REPORTED**
GROUNDWATER INGESTION ACTUAL DRINKING WATER WELL: **NOT REPORTED**
GROUNDWATER INGESTION POTENTIAL NON DRINKING WATER WELL: **NOT REPORTED**
GROUNDWATER INGESTION POTENTIAL PROTECTED GROUNDWATER: **NOT REPORTED**
GROUNDWATER VAPOR TO ENCLOSED SPACE: **NOT REPORTED**
GROUNDWATER TO PLASTIC WATER LINE: **NOT REPORTED**
SURFACE WATER GENERAL USE: **NOT REPORTED**
SURFACE WATER DESIGNATED USE: **NOT REPORTED**
SOIL LEACHING TO GROUNDWATER: **NOT REPORTED**
SOIL VAPOR TO ENCLOSED SPACE: **NOT REPORTED**
SOIL TO PLASTIC WATER LINE: **NOT REPORTED**

REMEDIATION

LUST ID: **4022**
SOIL TREATMENT OVER-EXCAVATION: **NOT REPORTED**
SOIL VENTING: **NOT REPORTED**
BIO-REMEDIATION: **NOT REPORTED**
TREATMENT IN-SITU GROUNDWATER TREATMENT: **NOT REPORTED**
PERMIT DATE: **NOT REPORTED**
SURFACE TREATMENT: **NOT REPORTED**
TREATED DISCHARGE TO: **NOT REPORTED**

UST INFORMATION

TANK ID: **26176**
TANK BRAND: **NOT REPORTED**
IN USE: **0**
TEMPORARY CLOSED DATE: **NOT REPORTED**
LAST CONTAINED PRODUCT: **NOT REPORTED**
OUT OF USE: **NOT REPORTED**
DATE INSTALLED: **10/1/1978**
CP TEST DATE: **NOT REPORTED**
CONSTRUCTION MATERIAL: **STEEL**
DATE TANK LINED: **NOT REPORTED**
TYPE: **COMMERCIAL**
FILLED IN PLACE: **NOT REPORTED**
DATE FILLED IN PLACE: **NOT REPORTED**
IDENTIFY INERT MATERIAL: **NOT REPORTED**
DATE TANK REMOVAL: **2/18/2004**
NFA DATE: **NOT REPORTED**
EXTERNAL PROTECTION: **CATHODIC PROTECTION; FIELD INSTALLED CATHODIC PROTECTION; IMPRESSED CURRENT**

CATHODIC PROTECTION; NONE
COMPARTMENT NBR: **26528**
CONTENTS: **REGULAR (87)**
CAPACITY (GAL.): **10000**
COMPARTMENT INSTALL DATE: **10/1/1978**
STATUS: **REGULATED TANKS - R/F**

TANK ID: **26177**
TANK BRAND: **NOT REPORTED**
IN USE: **0**
TEMPORARY CLOSED DATE: **NOT REPORTED**
LAST CONTAINED PRODUCT: **NOT REPORTED**
OUT OF USE: **NOT REPORTED**
DATE INSTALLED: **10/1/1978**
CP TEST DATE: **NOT REPORTED**
CONSTRUCTION MATERIAL: **STEEL**
DATE TANK LINED: **NOT REPORTED**
TYPE: **COMMERCIAL**
FILLED IN PLACE: **NOT REPORTED**
DATE FILLED IN PLACE: **NOT REPORTED**
IDENTIFY INERT MATERIAL: **NOT REPORTED**
DATE TANK REMOVAL: **2/18/2004**
NFA DATE: **NOT REPORTED**
EXTERNAL PROTECTION: **CATHODIC PROTECTION; FIELD INSTALLED CATHODIC PROTECTION; IMPRESSED CURRENT CATHODIC PROTECTION; NONE**
COMPARTMENT NBR: **26529**
CONTENTS: **REGULAR (87)**
CAPACITY (GAL.): **6000**
COMPARTMENT INSTALL DATE: **10/1/1978**
STATUS: **REGULATED TANKS - R/F**

Back to Report Summary

MAP ID# 7

Distance from Property: 0.499 mi. (2,635 ft.) ESE
Elevation: 1,300 ft. (Higher than TP)

SITE INFORMATION

ID#: **137681**

NAME: **114 2ND AVENUE WEST**

ADDRESS: **114 2ND AVENUE WEST**
CRESCO, IA 52136

TYPE FUNDING: **PETROLEUM**

PREDOMINANT PAST USE (ACREAGE):

GREENSPACE:	RESIDENTIAL:	COMMERCIAL:	INDUSTRIAL:
NOT REPORTED	**NOT REPORTED**	**0.37**	**NOT REPORTED**

FUTURE USE (ACREAGE):

GREENSPACE:	RESIDENTIAL:	COMMERCIAL:	INDUSTRIAL:
NOT REPORTED	**NOT REPORTED**	**0.37**	**NOT REPORTED**

PROPERTY HIGHLIGHT:
NOT REPORTED

PROPERTY SIZE (Acres): **0.37**

CURRENT OWNER: **JODY TORGERSON**

PROPERTY DESCRIPTION/ FORMER USE:
ACCORDING TO AVAILABLE HISTORICAL DOCUMENTS, THE PROPERTY CONTAINED A CHURCH IN 1894 AND COMMERCIAL DEVELOPMENT FROM 1902-2004. PAST USES INCLUDE A WAREHOUSE, RADIO CONDENSER MANUFACTURER, AN OFFICE BUILDING, TRACTOR REPAIR SHOP, AND VARIOUS RETAIL STORES. THE PROPERTY HAS REMAINED VACANT SINCE 2004.

CONTAMINATE(S): **UNKNOWN**

CONTAMINATE(S) CLEANED UP: **NOT REPORTED**

MEDIA(S) AFFECTED: **NOT REPORTED**

MEDIA(S) CLEANED UP: **NOT REPORTED**

TYPE OF BROWNFIELD GRANT: **ASSESSMENT**

ENVIRONMENTAL ASSESSMENT ACTIVITY: **PHASE II ENVIRONMENTAL ASSESSMENT**

ASSESSMENT START DATE: **12/31/2011 0:00**

ASSESSMENT COMPLETION DATE: **NOT REPORTED**

CLEANUP REQUIRED: **UNKNOWN**

STATE & TRIBAL ENROLLMENT ID: **NOT REPORTED**

STATE & TRIBAL ENROLLMENT DATE: **NOT REPORTED**

PROPERTY ENROLLED IN A STATE & TRIBAL PROGRAM?: **NOT REPORTED**

ARE INSTITUTIONAL CONTROLS REQUIRED?: **UNKNOWN**

TYPE OF BROWNFIELD GRANT: **ASSESSMENT**

ENVIRONMENTAL ASSESSMENT ACTIVITY: **PHASE I ENVIRONMENTAL ASSESSMENT**

ASSESSMENT START DATE: **10/16/2011 0:00**

ASSESSMENT COMPLETION DATE: **11/30/2011 0:00**

CLEANUP REQUIRED: **UNKNOWN**

STATE & TRIBAL ENROLLMENT ID: **NOT REPORTED**

STATE & TRIBAL ENROLLMENT DATE: **NOT REPORTED**

PROPERTY ENROLLED IN A STATE & TRIBAL PROGRAM?: **NOT REPORTED**

ARE INSTITUTIONAL CONTROLS REQUIRED?: **UNKNOWN**

Back to Report Summary

MAP ID# 7

Distance from Property: 0.496 mi. (2,619 ft.) ESE
Elevation: 1,300 ft. (Higher than TP)

FACILITY INFORMATION

GEOSEARCH ID: **1032CS**
SUBSITE ID: **1032**
NAME: **HOWARDS DRY CLEANERS**
SUBSITE NAME: **NOT REPORTED**
ADDRESS: **122 2ND AVENUE**
CRESCO, IA 52136
COUNTY: **HOWARD**
STATUS: **CLOSED**
TYPE: **DRY CLEANER**
OWNERSHIP TYPE: **PRIVATE**
PROGRAM TYPE: **CHAPTER 133**
PROJECT MANAGER: **DAN COOK**
LEAD AGENCY: **DNR**
PRIORITY: **NOT REPORTED**

Back to Report Summary

Leaking Underground Storage Tanks (LUST)

MAP ID# 8

Distance from Property: 0.497 mi. (2,624 ft.) SSE
Elevation: 1,297 ft. (Higher than TP)

FACILITY INFORMATION

GEOSEARCH ID: **198604365LUST**
REGISTRATION NO: **198604365**
UST ID: **4821**
NAME: **CITY OF CRESCO**
ADDRESS: **GROVE AVE**
CRESCO, IA 52136
SUPPLEMENTAL LOCATION: **NOT REPORTED**
LOCATION COMMENT:
TANK PIT W OF SW CORNER OF PUBLIC WORKS BUILDING

RELEASE DETAILS

LEAK NUMBER: **8LTY92**
LUST ID: **2109**
START DATE: **5/2/1994**
DATE REPORTED: **2/7/1994**
DATE DISCOVERED: **6/21/1993**
DATE OCCURRED: **NOT REPORTED**
SPILL NUMBER: **NOT REPORTED**
SPILL DATE: **NOT REPORTED**
LEAD: **RESPONSIBLE PARTY**
DISCOVER DURING: **OTHER**
INITAL LEAK STATUS: **STOPPED**
NUMBER OF TANKS REMOVED: **NOT REPORTED**
LEAK CAUSE: **UNKNOWN**
LEAKED PRODUCT: **GASOLINE; DIESEL**
AMOUNT LEAKED: **NOT REPORTED**
NON-REGULATED TANKS: **NO NON-REGULATED TANKS FOUND**

CLASSIFICATION

LUST ID: **2109**
PRIORITY RANKING: **NO ACTION (PROPOSED)**
RISK CLASSIFICATION: **NO ACTION**
RISK CLASSIFICATION DATE: **1/25/1999**
RELEASED NOT VERIFIED: **NOT REPORTED**
CLEANUP START DATE: **1/25/1999**
CLEANUP COMPLETE DATE: **1/25/1999**

INSTITUTIONAL CONTROL

NO INSTITUTIONAL CONTROL REPORTED

TIER1

LUST ID: **2109**
CONSULTANT RECOMMENDS: **NFA**
GROUNDWATER INGESTION ACTUAL DRINKING WATER WELL: **NO**
GROUNDWATER INGESTION POTENTIAL NON DRINKING WATER WELL: **NO**
GROUNDWATER INGESTION POTENTIAL PROTECTED GROUNDWATER: **NO**
GROUNDWATER VAPOR TO ENCLOSED SPACE: **NO**

GROUNDWATER TO PLASTIC WATER LINE: **NO**
SURFACE WATER: **NO**
SOIL LEACHING TO GROUNDWATER: **NO**
SOIL VAPOR TO ENCLOSED SPACE: **NO**
SOIL TO PLASTIC WATER LINE: **NO**

TIER2

LUST ID: **2109**
CONSULTANT RECOMMENDS: **NFA**
GROUNDWATER INGESTION ACTUAL DRINKING WATER WELL: **NFA**
GROUNDWATER INGESTION POTENTIAL NON DRINKING WATER WELL: **NFA**
GROUNDWATER INGESTION POTENTIAL PROTECTED GROUNDWATER: **NFA**
GROUNDWATER VAPOR TO ENCLOSED SPACE: **NFA**
GROUNDWATER TO PLASTIC WATER LINE: **NFA**
SURFACE WATER GENERAL USE: **NFA**
SURFACE WATER DESIGNATED USE: **NFA**
SOIL LEACHING TO GROUNDWATER: **NFA**
SOIL VAPOR TO ENCLOSED SPACE: **NFA**
SOIL TO PLASTIC WATER LINE: **NFA**

REMEDIATION

LUST ID: **2109**
SOIL TREATMENT OVER-EXCAVATION: **NOT REPORTED**
SOIL VENTING: **NOT REPORTED**
BIO-REMEDIATION: **NOT REPORTED**
TREATMENT IN-SITU GROUNDWATER TREATMENT: **NOT REPORTED**
PERMIT DATE: **NOT REPORTED**
SURFACE TREATMENT: **NOT REPORTED**
TREATED DISCHARGE TO: **NOT REPORTED**

UST INFORMATION

TANK ID: **12414**
TANK BRAND: **NOT REPORTED**
IN USE: **0**
TEMPORARY CLOSED DATE: **NOT REPORTED**
LAST CONTAINED PRODUCT: **NOT REPORTED**
OUT OF USE: **NOT REPORTED**
DATE INSTALLED: **7/1/1983**
CP TEST DATE: **NOT REPORTED**
CONSTRUCTION MATERIAL: **STEEL**
DATE TANK LINED: **NOT REPORTED**
TYPE: **OTHER**
FILLED IN PLACE: **NOT REPORTED**
DATE FILLED IN PLACE: **NOT REPORTED**
IDENTIFY INERT MATERIAL: **NOT REPORTED**
DATE TANK REMOVAL: **5/1/1988**
NFA DATE: **NOT REPORTED**
EXTERNAL PROTECTION: **NOT REPORTED**

COMPARTMENT NBR: **12565**
CONTENTS: **REGULAR (87)**
CAPACITY (GAL.): **1000**
COMPARTMENT INSTALL DATE: **7/1/1983**
STATUS: **REGULATED TANKS - R/F**

TANK ID: **12415**
TANK BRAND: **NOT REPORTED**
IN USE: **0**
TEMPORARY CLOSED DATE: **NOT REPORTED**
LAST CONTAINED PRODUCT: **NOT REPORTED**
OUT OF USE: **NOT REPORTED**
DATE INSTALLED: **7/1/1975**
CP TEST DATE: **NOT REPORTED**
CONSTRUCTION MATERIAL: **STEEL**
DATE TANK LINED: **NOT REPORTED**
TYPE: **OTHER**
FILLED IN PLACE: **NOT REPORTED**
DATE FILLED IN PLACE: **NOT REPORTED**
IDENTIFY INERT MATERIAL: **NOT REPORTED**
DATE TANK REMOVAL: **5/1/1988**
NFA DATE: **NOT REPORTED**
EXTERNAL PROTECTION: **NOT REPORTED**
COMPARTMENT NBR: **12566**
CONTENTS: **DIESEL**
CAPACITY (GAL.): **500**
COMPARTMENT INSTALL DATE: **7/1/1975**
STATUS: **REGULATED TANKS - R/F**

Back to Report Summary

MAP ID# 9

Distance from Property: 0.499 mi. (2,635 ft.) SSE
Elevation: 1,297 ft. (Higher than TP)

FACILITY INFORMATION

GEOSEARCH ID: **198606243LUST**
REGISTRATION NO: **198606243**
UST ID: **6565**
NAME: **STEVE & TOMS 66**
ADDRESS: **330 2ND AVE SW**
CRESCO, IA 52136
SUPPLEMENTAL LOCATION: **NOT REPORTED**
LOCATION COMMENT:
TANK PIT AT SW CORNER OF SITE BUILDING LOCATED AT NE CORNER OF 4TH ST SW & 2ND AVE SW

RELEASE DETAILS

LEAK NUMBER: **7LTV19**
LUST ID: **2849**
START DATE: **9/20/1990**
DATE REPORTED: **9/6/1990**
DATE DISCOVERED: **NOT REPORTED**
DATE OCCURRED: **NOT REPORTED**
SPILL NUMBER: **NOT REPORTED**
SPILL DATE: **NOT REPORTED**
LEAD: **STATE FUND**
DISCOVER DURING: **OTHER**
INITAL LEAK STATUS: **UNKNOWN**
NUMBER OF TANKS REMOVED: **NOT REPORTED**
LEAK CAUSE: **UNKNOWN**
LEAKED PRODUCT: **GASOLINE; DIESEL**
AMOUNT LEAKED: **NOT REPORTED**
NON-REGULATED TANKS: **NO NON-REGULATED TANKS FOUND**

CLASSIFICATION

LUST ID: **2849**
PRIORITY RANKING: **NO ACTION (PROPOSED)**
RISK CLASSIFICATION: **NO ACTION**
RISK CLASSIFICATION DATE: **1/25/1999**
RELEASED NOT VERIFIED: **NOT REPORTED**
CLEANUP START DATE: **1/25/1999**
CLEANUP COMPLETE DATE: **1/25/1999**

INSTITUTIONAL CONTROL

NO INSTITUTIONAL CONTROL REPORTED

TIER1

LUST ID: **2849**
CONSULTANT RECOMMENDS: **NFA**
GROUNDWATER INGESTION ACTUAL DRINKING WATER WELL: **NO**
GROUNDWATER INGESTION POTENTIAL NON DRINKING WATER WELL: **NO**
GROUNDWATER INGESTION POTENTIAL PROTECTED GROUNDWATER: **NO**
GROUNDWATER VAPOR TO ENCLOSED SPACE: **NO**

GROUNDWATER TO PLASTIC WATER LINE: **NO**
SURFACE WATER: **NO**
SOIL LEACHING TO GROUNDWATER: **NO**
SOIL VAPOR TO ENCLOSED SPACE: **NO**
SOIL TO PLASTIC WATER LINE: **NO**

TIER2

LUST ID: **2849**
CONSULTANT RECOMMENDS: **NFA**
GROUNDWATER INGESTION ACTUAL DRINKING WATER WELL: **NFA**
GROUNDWATER INGESTION POTENTIAL NON DRINKING WATER WELL: **NFA**
GROUNDWATER INGESTION POTENTIAL PROTECTED GROUNDWATER: **NFA**
GROUNDWATER VAPOR TO ENCLOSED SPACE: **NFA**
GROUNDWATER TO PLASTIC WATER LINE: **NFA**
SURFACE WATER GENERAL USE: **NFA**
SURFACE WATER DESIGNATED USE: **NFA**
SOIL LEACHING TO GROUNDWATER: **NFA**
SOIL VAPOR TO ENCLOSED SPACE: **NFA**
SOIL TO PLASTIC WATER LINE: **NFA**

REMEDIATION

LUST ID: **2849**
SOIL TREATMENT OVER-EXCAVATION: **NOT REPORTED**
SOIL VENTING: **NOT REPORTED**
BIO-REMEDIATION: **NOT REPORTED**
TREATMENT IN-SITU GROUNDWATER TREATMENT: **NOT REPORTED**
PERMIT DATE: **NOT REPORTED**
SURFACE TREATMENT: **NOT REPORTED**
TREATED DISCHARGE TO: **NOT REPORTED**

UST INFORMATION

TANK ID: **18209**
TANK BRAND: **NOT REPORTED**
IN USE: **0**
TEMPORARY CLOSED DATE: **NOT REPORTED**
LAST CONTAINED PRODUCT: **NOT REPORTED**
OUT OF USE: **NOT REPORTED**
DATE INSTALLED: **8/1/1982**
CP TEST DATE: **NOT REPORTED**
CONSTRUCTION MATERIAL: **STEEL**
DATE TANK LINED: **NOT REPORTED**
TYPE: **COMMERCIAL**
FILLED IN PLACE: **NOT REPORTED**
DATE FILLED IN PLACE: **NOT REPORTED**
IDENTIFY INERT MATERIAL: **NOT REPORTED**
DATE TANK REMOVAL: **8/18/1997**
NFA DATE: **NOT REPORTED**
EXTERNAL PROTECTION: **CATHODIC PROTECTION; FACTORY APPLIED COAL TAR EPOXY COATED**

COMPARTMENT NBR: **18461**
CONTENTS: **DIESEL**
CAPACITY (GAL.): **2000**
COMPARTMENT INSTALL DATE: **8/1/1982**
STATUS: **REGULATED TANKS - R/F**

TANK ID: **18210**
TANK BRAND: **NOT REPORTED**
IN USE: **0**
TEMPORARY CLOSED DATE: **NOT REPORTED**
LAST CONTAINED PRODUCT: **NOT REPORTED**
OUT OF USE: **NOT REPORTED**
DATE INSTALLED: **7/1/1966**
CP TEST DATE: **NOT REPORTED**
CONSTRUCTION MATERIAL: **STEEL**
DATE TANK LINED: **NOT REPORTED**
TYPE: **COMMERCIAL**
FILLED IN PLACE: **NOT REPORTED**
DATE FILLED IN PLACE: **NOT REPORTED**
IDENTIFY INERT MATERIAL: **NOT REPORTED**
DATE TANK REMOVAL: **7/1/1988**
NFA DATE: **12/31/1899**
EXTERNAL PROTECTION: **NOT REPORTED**
COMPARTMENT NBR: **18462**
CONTENTS: **REGULAR (87)**
CAPACITY (GAL.): **1000**
COMPARTMENT INSTALL DATE: **7/1/1966**
STATUS: **REGULATED TANKS - R/F**

TANK ID: **18211**
TANK BRAND: **NOT REPORTED**
IN USE: **0**
TEMPORARY CLOSED DATE: **NOT REPORTED**
LAST CONTAINED PRODUCT: **NOT REPORTED**
OUT OF USE: **NOT REPORTED**
DATE INSTALLED: **8/1/1971**
CP TEST DATE: **NOT REPORTED**
CONSTRUCTION MATERIAL: **STEEL**
DATE TANK LINED: **NOT REPORTED**
TYPE: **COMMERCIAL**
FILLED IN PLACE: **NOT REPORTED**
DATE FILLED IN PLACE: **NOT REPORTED**
IDENTIFY INERT MATERIAL: **NOT REPORTED**
DATE TANK REMOVAL: **7/1/1988**
NFA DATE: **12/31/1899**
EXTERNAL PROTECTION: **NOT REPORTED**
COMPARTMENT NBR: **18463**

CONTENTS: **REGULAR (87)**
CAPACITY (GAL.): **3840**
COMPARTMENT INSTALL DATE: **8/1/1971**
STATUS: **REGULATED TANKS - R/F**

TANK ID: **18212**
TANK BRAND: **NOT REPORTED**
IN USE: **0**
TEMPORARY CLOSED DATE: **NOT REPORTED**
LAST CONTAINED PRODUCT: **NOT REPORTED**
OUT OF USE: **NOT REPORTED**
DATE INSTALLED: **7/1/1988**
CP TEST DATE: **NOT REPORTED**
CONSTRUCTION MATERIAL: **STEEL**
DATE TANK LINED: **NOT REPORTED**
TYPE: **COMMERCIAL**
FILLED IN PLACE: **NOT REPORTED**
DATE FILLED IN PLACE: **NOT REPORTED**
IDENTIFY INERT MATERIAL: **NOT REPORTED**
DATE TANK REMOVAL: **8/18/1997**
NFA DATE: **NOT REPORTED**
EXTERNAL PROTECTION: **CATHODIC PROTECTION**
COMPARTMENT NBR: **18464**
CONTENTS: **REGULAR (87)**
CAPACITY (GAL.): **8200**
COMPARTMENT INSTALL DATE: **7/1/1988**
STATUS: **REGULATED TANKS - R/F**

TANK ID: **18213**
TANK BRAND: **NOT REPORTED**
IN USE: **0**
TEMPORARY CLOSED DATE: **NOT REPORTED**
LAST CONTAINED PRODUCT: **NOT REPORTED**
OUT OF USE: **NOT REPORTED**
DATE INSTALLED: **7/1/1988**
CP TEST DATE: **NOT REPORTED**
CONSTRUCTION MATERIAL: **STEEL**
DATE TANK LINED: **NOT REPORTED**
TYPE: **COMMERCIAL**
FILLED IN PLACE: **NOT REPORTED**
DATE FILLED IN PLACE: **NOT REPORTED**
IDENTIFY INERT MATERIAL: **NOT REPORTED**
DATE TANK REMOVAL: **8/18/1997**
NFA DATE: **NOT REPORTED**
EXTERNAL PROTECTION: **CATHODIC PROTECTION**
COMPARTMENT NBR: **18465**
CONTENTS: **REGULAR (87)**

CAPACITY (GAL.): **8200**
COMPARTMENT INSTALL DATE: **7/1/1988**
STATUS: **REGULATED TANKS - R/F**

TANK ID: **18214**
TANK BRAND: **NOT REPORTED**
IN USE: **0**
TEMPORARY CLOSED DATE: **NOT REPORTED**
LAST CONTAINED PRODUCT: **NOT REPORTED**
OUT OF USE: **NOT REPORTED**
DATE INSTALLED: **7/1/1988**
CP TEST DATE: **NOT REPORTED**
CONSTRUCTION MATERIAL: **STEEL**
DATE TANK LINED: **NOT REPORTED**
TYPE: **COMMERCIAL**
FILLED IN PLACE: **NOT REPORTED**
DATE FILLED IN PLACE: **NOT REPORTED**
IDENTIFY INERT MATERIAL: **NOT REPORTED**
DATE TANK REMOVAL: **8/18/1997**
NFA DATE: **NOT REPORTED**
EXTERNAL PROTECTION: **CATHODIC PROTECTION**
COMPARTMENT NBR: **18466**
CONTENTS: **DIESEL**
CAPACITY (GAL.): **6000**
COMPARTMENT INSTALL DATE: **7/1/1988**
STATUS: **REGULATED TANKS - R/F**

Back to Report Summary

Unlocated Sites Summary

This list contains sites that could not be mapped due to limited or incomplete address information.

Database Name	Site ID#	Site Name	Address	City/State/Zip/County
CS	1592CS	CRESCO WATER SUPPLY	SW OF SECTION 23 T99N R11W	CRESCO
CS	1697CS	FIRST NATIONAL BANK	HIGHWAY 9 WEST	CRESCO

AIRSAFS Aerometric Information Retrieval System / Air Facility Subsystem

VERSION DATE: 10/20/14

The United States Environmental Protection Agency (EPA) modified the Aerometric Information Retrieval System (AIRS) to a database that exclusively tracks the compliance of stationary sources of air pollution with EPA regulations: the Air Facility Subsystem (AFS). Since this change in 2001, the management of the AIRS/AFS database was assigned to EPA's Office of Enforcement and Compliance Assurance.

BRS Biennial Reporting System

VERSION DATE: 12/31/15

The United States Environmental Protection Agency (EPA), in cooperation with the States, biennially collects information regarding the generation, management, and final disposition of hazardous wastes regulated under the Resource Conservation and Recovery Act of 1976 (RCRA), as amended. The Biennial Report captures detailed data on the generation of hazardous waste from large quantity generators and data on waste management practices from treatment, storage and disposal facilities. Currently, the EPA states that data collected between 1991 and 1997 was originally a part of the defunct Biennial Reporting System and is now incorporated into the RCRAInfo data system.

CDL Clandestine Drug Laboratory Locations

VERSION DATE: 10/05/17

The U.S. Department of Justice ("the Department") provides this information 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. The Department does not establish, implement, enforce, or certify compliance with clean-up or remediation standards for contaminated sites; the public should contact a state or local health department or environmental protection agency for that information.

DOCKETS EPA Docket Data

VERSION DATE: 12/22/05

The United States Environmental Protection Agency Docket data lists Civil Case Defendants, filing dates as far back as 1971, laws broken including section, violations that occurred, pollutants involved, penalties assessed and superfund awards by facility and location. Please refer to ICIS database as source of current data.

EC Federal Engineering Institutional Control Sites

VERSION DATE: 08/03/15

This database includes site locations where Engineering and/or Institutional Controls have been identified as part

of a selected remedy for the site as defined by United States Environmental Protection Agency official remedy decision documents. A site listing does not indicate that the institutional and engineering controls are currently in place nor will be in place once the remedy is complete; it only indicates that the decision to include either of them in the remedy is documented as of the completed date of the document. Institutional controls are actions, such as legal controls, that help minimize the potential for human exposure to contamination by ensuring appropriate land or resource use. Engineering controls include caps, barriers, or other device engineering to prevent access, exposure, or continued migration of contamination.

ECHOR07 Enforcement and Compliance History Information

VERSION DATE: 09/01/18

The EPA's Enforcement and Compliance History Online (ECHO) database, provides compliance and enforcement information for facilities nationwide. This database includes facilities regulated as Clean Air Act stationary sources, Clean Water Act direct dischargers, Resource Conservation and Recovery Act hazardous waste handlers, Safe Drinking Water Act public water systems along with other data, such as Toxics Release Inventory releases.

ERNSIA Emergency Response Notification System

VERSION DATE: 10/28/18

This National Response Center database contains data on reported releases of oil, chemical, radiological, biological, and/or etiological discharges into the environment anywhere in the United States and its territories. The data comes from spill reports made to the U.S. Environmental Protection Agency, U.S. Coast Guard, the National Response Center and/or the U.S. Department of Transportation.

FRSIA Facility Registry System

VERSION DATE: 10/09/18

The United States Environmental Protection Agency's Office of Environmental Information (OEI) developed the Facility Registry System (FRS) as the centrally managed database that identifies facilities, sites or places subject to environmental regulations or of environmental interest. The Facility Registry System replaced the Facility Index System or FINDS database.

HMIRSR07 Hazardous Materials Incident Reporting System

VERSION DATE: 09/30/18

The HMIRS database contains unintentional hazardous materials release information reported to the U.S. Department of Transportation. This database includes permitted facilities located in EPA Region 7. This region includes the following states: Iowa, Kansas, Missouri, and Nebraska.

ICIS Integrated Compliance Information System (formerly DOCKETS)

VERSION DATE: 09/01/18

ICIS is a case activity tracking and management system for civil, judicial, and administrative federal Environmental Protection Agency enforcement cases. ICIS contains information on federal administrative and federal judicial cases under the following environmental statutes: the Clean Air Act, the Clean Water Act, the Resource Conservation and Recovery Act, the Emergency Planning and Community Right-to-Know Act - Section 313, the Toxic Substances Control Act, the Federal Insecticide, Fungicide, and Rodenticide Act, the Comprehensive Environmental Response, Compensation, and Liability Act, the Safe Drinking Water Act, and the Marine Protection, Research, and Sanctuaries Act.

ICISNPDES Integrated Compliance Information System National Pollutant Discharge Elimination System

VERSION DATE: 07/09/17

Authorized by the Clean Water Act, the National Pollutant Discharge Elimination System (NPDES) permit program controls water pollution by regulating point sources that discharge pollutants into waters of the United States. This database is provided by the U.S. Environmental Protection Agency.

LUCIS Land Use Control Information System

VERSION DATE: 09/01/06

The LUCIS database is maintained by the U.S. Department of the Navy and contains information for former Base Realignment and Closure (BRAC) properties across the United States.

MLTS Material Licensing Tracking System

VERSION DATE: 06/29/17

MLTS is a list of approximately 8,100 sites which have or use radioactive materials subject to the United States Nuclear Regulatory Commission (NRC) licensing requirements. Disclaimer: Due to agency regulations and policies, this database contains applicant/licensee location information which may or may not be related to the physical location per MLTS site.

NPDESR07 National Pollutant Discharge Elimination System

VERSION DATE: 04/01/07

Authorized by the Clean Water Act, the National Pollutant Discharge Elimination System (NPDES) permit program controls water pollution by regulating point sources that discharge pollutants into waters of the United States. The NPDES database was collected from the U.S. Environmental Protection Agency (EPA) from December 2002 through April 2007. Refer to the PCS and/or ICIS-NPDES database as source of current data. This database includes permitted facilities located in EPA Region 7. This region includes the following states: Iowa, Kansas, Missouri, and Nebraska.

PADS PCB Activity Database System

VERSION DATE: 09/14/18

PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the U.S. Environmental Protection Agency of such activities.

PCSR07 Permit Compliance System

VERSION DATE: 08/01/12

The Permit Compliance System is used in tracking enforcement status and permit compliance of facilities controlled by the National Pollutant Discharge Elimination System (NPDES) under the Clean Water Act and is maintained by the United States Environmental Protection Agency's Office of Compliance. PCS is designed to support the NPDES program at the state, regional, and national levels. This database includes permitted facilities located in EPA Region 7. This region includes the following states: Iowa, Kansas, Missouri, and Nebraska. PCS has been modernized, and no longer exists. National Pollutant Discharge Elimination System (ICIS-NPDES) data can now be found in Integrated Compliance Information System (ICIS).

RCRASC RCRA Sites with Controls

VERSION DATE: 11/21/18

The Resource Conservation and Recovery Act (RCRA) gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances. This listing refers to facilities with institutional controls in place.

SEMSLIENS SEMS Lien on Property

VERSION DATE: 08/13/18

The U.S. Environmental Protection Agency's (EPA) Office of Solid Waste and Emergency Response, Office of Superfund Remediation and Technology Innovation (OSRTI), has implemented The Superfund Enterprise Management System (SEMS), formerly known as CERCLIS (Comprehensive Environmental Response, Compensation and Liability Information System) to track and report on clean-up and enforcement activities taking place at Superfund sites. SEMS represents a joint development and ongoing collaboration between Superfund's Remedial, Removal, Federal Facilities, Enforcement and Emergency Response programs. This is a listing of SEMS sites with a lien on the property.

SFLIENS CERCLIS Liens

VERSION DATE: 06/08/12

A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which United States Environmental Protection Agency 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. This database contains those CERCLIS sites where the Lien on Property action is

complete. Please refer to the SEMSLIENS database as source of current data.

SSTS Section Seven Tracking System

VERSION DATE: 02/01/17

The United States Environmental Protection Agency tracks information on pesticide establishments through the Section Seven Tracking System (SSTS). SSTS records the registration of new establishments and records pesticide production at each establishment. The Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) requires that production of pesticides or devices be conducted in a registered pesticide-producing or device-producing establishment. ("Production" includes formulation, packaging, repackaging, and relabeling.)

TRI Toxics Release Inventory

VERSION DATE: 12/31/16

The Toxics Release Inventory, provided by the United States Environmental Protection Agency, includes data on toxic chemical releases and waste management activities from certain industries as well as federal and tribal facilities. This inventory contains information about the types and amounts of toxic chemicals that are released each year to the air, water, and land as well as information on the quantities of toxic chemicals sent to other facilities for further waste management.

TSCA Toxic Substance Control Act Inventory

VERSION DATE: 12/31/12

The Toxic Substances Control Act (TSCA) was enacted in 1976 to ensure that chemicals manufactured, imported, processed, or distributed in commerce, or used or disposed of in the United States do not pose any unreasonable risks to human health or the environment. TSCA section 8(b) provides the United States Environmental Protection Agency authority to "compile, keep current, and publish a list of each chemical substance that is manufactured or processed in the United States." This TSCA Chemical Substance Inventory contains non-confidential information on the production amount of toxic chemicals from each manufacturer and importer site.

RCRAGR07 Resource Conservation & Recovery Act - Generator

VERSION DATE: 12/17/18

The Resource Conservation and Recovery Act (RCRA) gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances. This listing refers to facilities currently generating hazardous waste. EPA Region 7 includes the following states: Iowa, Kansas, Missouri, and Nebraska.

RCRANGR07 Resource Conservation & Recovery Act - Non-Generator

VERSION DATE: 12/17/18

The Resource Conservation and Recovery Act (RCRA) gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances. This listing refers to facilities classified as non-generators. Non-Generators do not presently generate hazardous waste. EPA Region 7 includes the following states: Iowa, Kansas, Missouri, and Nebraska.

ALTFUELS Alternative Fueling Stations

VERSION DATE: 09/01/18

Nationwide list of alternative fueling stations made available by the U.S. Department of Energy's Office of Energy Efficiency & Renewable Energy. Includes Bio-diesel stations, Ethanol (E85) stations, Liquefied Petroleum Gas (Propane) stations, Ethanol (E85) stations, Natural Gas stations, Hydrogen stations, and Electric Vehicle Supply Equipment (EVSE).

FEMAUST FEMA Owned Storage Tanks

VERSION DATE: 12/01/16

This is a listing of FEMA owned underground and aboveground storage tank sites. For security reasons, address information is not released to the public according to the U.S. Department of Homeland Security.

HISTPST Historical Gas Stations

VERSION DATE: NR

This historic directory of service stations is provided by the Cities Service Company. The directory includes Cities Service filling stations that were located throughout the United States in 1930.

ICISCLEANERS Integrated Compliance Information System Drycleaners

VERSION DATE: 09/01/18

This is a listing of drycleaner facilities from the Integrated Compliance Information System (ICIS). The U.S. Environmental Protection Agency (EPA) tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.

MRDS Mineral Resource Data System

VERSION DATE: 03/15/16

MRDS (Mineral Resource Data System) is a collection of reports describing metallic and nonmetallic mineral resources throughout the world. Included are deposit name, location, commodity, deposit description, geologic characteristics, production, reserves, resources, and references. This database contains the records previously provided in the Mineral Resource Data System (MRDS) of USGS and the Mineral Availability System/Mineral Industry Locator System (MAS/MILS) originated in the U.S. Bureau of Mines, which is now part of USGS.

MSHA Mine Safety and Health Administration Master Index File

VERSION DATE: 08/31/18

The Mine dataset lists all Coal and Metal/Non-Metal mines under MSHA's jurisdiction since 1/1/1970. It includes such information as the current status of each mine (Active, Abandoned, NonProducing, etc.), the current owner and operating company, commodity codes and physical attributes of the mine. Mine ID is the unique key for this data. This information is provided by the United States Department of Labor - Mine Safety and Health Administration (MSHA).

BF Brownfields Management System

VERSION DATE: 10/01/18

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. The United States Environmental Protection Agency maintains this database to track activities in the various brown field grant programs including grantee assessment, site cleanup and site redevelopment. This database included tribal brownfield sites.

NLRRCRAT No Longer Regulated RCRA Non-CORRACTS TSD Facilities

VERSION DATE: 12/17/18

This database includes RCRA Non-Corrective Action TSD facilities that are no longer regulated by the United States Environmental Protection Agency or do not meet other RCRA reporting requirements. This listing includes facilities that formerly treated, stored or disposed of hazardous waste.

ODI Open Dump Inventory

VERSION DATE: 06/01/85

The open dump inventory was published by the United States Environmental Protection Agency. An “open dump” is defined as a facility or site where solid waste is disposed of which is not a sanitary landfill which meets the criteria promulgated under section 4004 of the Solid Waste Disposal Act (42 U.S.C. 6944) and which is not a facility for disposal of hazardous waste. This inventory has not been updated since June 1985.

RCRAT Resource Conservation & Recovery Act - Non-CORRACTS Treatment, Storage & Disposal Facilities

VERSION DATE: 12/17/18

The Resource Conservation and Recovery Act (RCRA) gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances. This listing refers to facilities recognized as hazardous waste treatment, storage, and disposal sites (TSD).

SEMS Superfund Enterprise Management System

VERSION DATE: 12/12/18

The U.S. Environmental Protection Agency's (EPA) Office of Solid Waste and Emergency Response, Office of Superfund Remediation and Technology Innovation (OSRTI), has implemented The Superfund Enterprise Management System (SEMS), formerly known as CERCLIS (Comprehensive Environmental Response, Compensation and Liability Information System) to track and report on clean-up and enforcement activities taking place at Superfund sites. SEMS represents a joint development and ongoing collaboration between Superfund's Remedial, Removal, Federal Facilities, Enforcement and Emergency Response programs.

SEMSARCH Superfund Enterprise Management System Archived Site Inventory

VERSION DATE: 12/13/18

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System Archived Site Inventory (List 8R Archived) replaced the CERCLIS NFRAP reporting system in 2015. This listing reflects sites at which the EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program.

SMCRA Surface Mining Control and Reclamation Act Sites

VERSION DATE: 09/14/18

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by the Office of Surface Mining Reclamation and Enforcement (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.

USUMTRCA Uranium Mill Tailings Radiation Control Act Sites

VERSION DATE: 03/04/17

The Legacy Management Office of the Department of Energy (DOE) manages radioactive and chemical waste, environmental contamination, and hazardous material at over 100 sites across the U.S. The L.M. Office manages this database of sites registered under the Uranium Mill Tailings Control Act (UMTRCA).

DNPL Delisted National Priorities List

VERSION DATE: 11/14/18

This database includes sites from the United States Environmental Protection Agency's Final National Priorities List (NPL) where remedies have proven to be satisfactory or sites where the original analyses were inaccurate, and the site is no longer appropriate for inclusion on the NPL, and final publication in the Federal Register has occurred.

DOD Department of Defense Sites

VERSION DATE: 12/01/14

This information originates from the National Atlas of the United States Federal Lands data, which includes lands owned or administered by the Federal government. Army DOD, Army Corps of Engineers DOD, Air Force DOD, Navy DOD and Marine DOD areas of 640 acres or more are included.

FUDS Formerly Used Defense Sites

VERSION DATE: 06/01/15

The Formerly Used Defense Sites (FUDS) inventory includes properties previously owned by or leased to the United States and under Secretary of Defense Jurisdiction, as well as Munitions Response Areas (MRAs). The remediation of these properties is the responsibility of the Department of Defense. This data is provided by the U.S. Army Corps of Engineers (USACE), the boundaries/polygon data are based on preliminary findings and not all properties currently have polygon data available. DISCLAIMER: This data represents the results of data collection/processing for a specific USACE activity and is in no way to be considered comprehensive or to be used in any legal or official capacity as presented on this site. While the USACE has made a reasonable effort to insure the accuracy of the maps and associated data, it should be explicitly noted that USACE makes no warranty, representation or guaranty, either expressed or implied, as to the content, sequence, accuracy, timeliness or completeness of any of the data provided herein. For additional information on Formerly Used Defense Sites please contact the USACE Public Affairs Office at (202) 528-4285.

FUSRAP Formerly Utilized Sites Remedial Action Program

VERSION DATE: 03/04/17

The U.S. Department of Energy (DOE) established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from the Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations. The DOE Office of Legacy Management (LM) established long-term surveillance and maintenance (LTS&M) requirements for remediated FUSRAP sites. DOE evaluates the final site conditions of a remediated site on the basis of risk for different future uses. DOE then confirms that LTS&M requirements will maintain protectiveness.

NLRRCRAC No Longer Regulated RCRA Corrective Action Facilities

VERSION DATE: 12/17/18

This database includes RCRA Corrective Action facilities that are no longer regulated by the United States Environmental Protection Agency or do not meet other RCRA reporting requirements.

NMS Former Military Nike Missile Sites

VERSION DATE: 12/01/84

This information was taken from report DRXTH-AS-IA-83A016 (Historical Overview of the Nike Missile System, 12/1984) which was performed by Environmental Science and Engineering, Inc. for the U.S. Army Toxic and Hazardous Materials Agency Assessment Division. The Nike system was deployed between 1954 and the mid-1970's. Among the substances used or stored on Nike sites were liquid missile fuel (JP-4); starter fluids (UDKH, aniline, and furfuryl alcohol); oxidizer (IRFNA); hydrocarbons (motor oil, hydraulic fluid, diesel fuel, gasoline, heating oil); solvents (carbon tetrachloride, trichloroethylene, trichloroethane, stoddard solvent); and battery electrolyte. The quantities of material a disposed of and procedures for disposal are not documented in published reports. Virtually all information concerning the potential for contamination at Nike sites is confined to personnel who were assigned to Nike sites. During deactivation most hardware was shipped to depot-level supply points. There were reportedly instances where excess materials were disposed of on or near the site itself at closure. There was reportedly no routine site decontamination.

NPL National Priorities List

VERSION DATE: 11/14/18

This database includes United States Environmental Protection Agency (EPA) National Priorities List sites that fall under the EPA's Superfund program, established to fund the cleanup of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action.

PNPL Proposed National Priorities List

VERSION DATE: 11/14/18

This database contains sites proposed to be included on the National Priorities List (NPL) in the Federal Register. The United States Environmental Protection Agency investigates these sites to determine if they may present long-term threats to public health or the environment.

RCRAC Resource Conservation & Recovery Act - Corrective Action Facilities

VERSION DATE: 12/17/18

The Resource Conservation and Recovery Act (RCRA) gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems

that could result from underground tanks storing petroleum and other hazardous substances. This listing refers to facilities with corrective action activity.

RCRASUBC Resource Conservation & Recovery Act - Subject to Corrective Action Facilities

VERSION DATE: 12/17/18

The Resource Conservation and Recovery Act (RCRA) gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances. This listing refers to facilities subject to corrective actions.

RODS Record of Decision System

VERSION DATE: 08/13/18

These decision documents maintained by the United States Environmental Protection Agency describe the chosen remedy for NPL (Superfund) site remediation. They also include site history, site description, site characteristics, community participation, enforcement activities, past and present activities, contaminated media, the contaminants present, and scope and role of response action.

Environmental Records Definitions - STATE (IA)

AIRS Air Permitted Facilities

VERSION DATE: 08/01/18

The Iowa Department of Natural Resources (DNR) provides this list of facilities with operating permits for Title V of the Federal Clean Air Act, as well as facilities required to submit an air emissions inventory, and other facilities with air quality interest such as Feed Mills, Group 1 Grain Elevators, and Permit By Rule (PBR) Spray Booths.

LIENS Liens Listing

VERSION DATE: 07/09/18

A listing of liens filed with the Iowa Comprehensive Petroleum Underground Storage Tank Fund.

NPDES National Pollutant Discharge Elimination System Permits

VERSION DATE: 12/05/18

The Iowa Department of Natural Resources (DNR) provides this list of individual permits for municipal, industrial, and semi-public wastewater treatment facilities in Iowa for the National Pollutant Discharge Elimination System (NPDES) program. Authorized by the Clean Water Act, the National Pollutant Discharge Elimination System (NPDES) permit program controls water pollution by regulating point sources that discharge pollutants into waters of the United States.

SPILLS Spills Listing

VERSION DATE: 11/08/18

This database of hazardous material spills is provided by Iowa Department of Natural Resources (DNR) and tracked in the Hazardous Substance Incident database. These Emergency Release Notifications are tracked for Section 304 of the Emergency Planning and Community Right-to-Know Act (EPCRA) and 567 IAC Chapter 131.

CLEANERS Dry Cleaners

VERSION DATE: 12/11/18

This list of dry cleaners is provided by the Iowa Department of Natural Resources (DNR).

IC Sites with Institutional Controls

VERSION DATE: 12/12/18

This list of institutional control sites is provided by the Contaminated Sites Section of the Iowa Department of Natural Resources (DNR). According to the DNR, the purpose of an institutional control is to restrict access to or use of property such that an applicable receptor could not be exposed to chemicals of concern for as long as the target level is exceeded at applicable points of exposure and compliance.

RAST Registered Aboveground Storage Tanks

VERSION DATE: 10/05/18

This list of aboveground storage tanks is maintained by the Iowa State Fire Marshal Division.

RUST Registered Underground Storage Tanks

VERSION DATE: 10/05/18

This list of underground storage tank (UST) sites is maintained by the Iowa Department of Natural Resources (DNR). The list includes sites which have been reported to the DNR, and have active or removed underground storage tanks.

BF Brownfield Sites

VERSION DATE: 09/04/18

This list of brownfield program sites is maintained by the Contaminated Sites Section of the Iowa Department of Natural Resources (DNR). The DNR defines a brownfield site as an abandoned, idled, or under-used industrial and commercial facilities where expansion or redevelopment is complicated by real or perceived environmental contamination.

CS Contaminated Sites

VERSION DATE: 11/08/18

The Contaminated Sites Section of Iowa Department of Natural Resources (DNR) deals with a range of situations that involve contamination caused by a release of hazardous materials or hazardous waste products. These sites are those administered by the Contaminated Sites Section of DNR. Many are sites which are assessed for contamination when property is sold; and others may actually have contamination and may or may not have been remediated. It includes sites for Brownfields, CERCLA Preremedial and Remedial, Chapter 133, and the Land Recycling Program.

LUST Leaking Underground Storage Tanks

VERSION DATE: 10/05/18

This list of Leaking Underground Storage Tanks (LUST) is maintained by the Iowa Department of Natural Resources (DNR). The LUST indicates the report or cleanup of a release of petroleum product.

SWF Solid Waste Facilities

VERSION DATE: 08/21/18

The Iowa Department of Natural Resources maintains this list of all types of facilities that handle solid waste, including: sanitary landfills, appliance demanufacturing facilities, transfer stations, land application sites,

incinerators, composting facilities, household hazardous materials sites, waste tire management and material recovery facilities. It includes all sites which are permitted or have had permits. It does not include non-permitted closed dumps.

VCP Voluntary Cleanup Sites

VERSION DATE: 09/17/18

This list of Land Recycling Program (LRP) sites is maintained by the Contaminated Sites Section of the Iowa Department of Natural Resources (DNR). The LRP allows owners or other stakeholders of a property to voluntarily assess and implement remedial actions at a site that is contaminated or is perceived to be contaminated. The LRP bears some similarity to other programs administered by the DNR, relating to environmental contamination, and to voluntary programs conducted by other states.

DSHWS Delisted State Hazardous Waste Sites

VERSION DATE: 12/31/17

This list of sites that have been delisted from the Registry of Hazardous Waste or Hazardous Substance Disposal Sites is provided by the Iowa Department of Natural Resources.

SHWS State Hazardous Waste Sites

VERSION DATE: 01/03/18

The Registry of Hazardous Waste or Hazardous Substance Disposal Sites is maintained by the Iowa Department of Natural Resources. The Hazardous Substance Remedial Fund and Sites Registry fulfill obligations under Sections 455B.424, 455B.426 and 455B.427 of the Code of Iowa. These sections require a full accounting to the Legislature and the Governor regarding the Hazardous Substance Remedial Fund and a report regarding sites listed on the Registry of Hazardous Waste Disposal Sites.

USTR07 Underground Storage Tanks On Tribal Lands

VERSION DATE: 04/24/18

Underground storage tanks on Tribal lands located in Region 7 include the following states: Iowa, Kansas, Missouri, and Nebraska.

LUSTR07 Leaking Underground Storage Tanks On Tribal Lands

VERSION DATE: 04/24/18

Leaking underground storage tanks on Tribal lands located in Region 7 include the following states: Iowa, Kansas, Missouri, and Nebraska.

ODINDIAN Open Dump Inventory on Tribal Lands

VERSION DATE: 11/08/06

This Indian Health Service database contains information about facilities and sites on tribal lands where solid waste is disposed of, which are not sanitary landfills or hazardous waste disposal facilities, and which meet the criteria promulgated under section 4004 of the Solid Waste Disposal Act (42 U.S.C. 6944).

INDIANRES Indian Reservations

VERSION DATE: 01/01/00

The Department of Interior and Bureau of Indian Affairs maintains this database that includes American Indian Reservations, off-reservation trust lands, public domain allotments, Alaska Native Regional Corporations and Recognized State Reservations.

Appendix C

County Tax Information

Howard County Assessor

Hosted by Vanguard Appraisals, Inc

Parcel Number:	321592200090000
Deed Holder:	SUNRICH INC
Property Address:	
Mailing Address:	SUNRICH INC 3824 93RD ST SW HOPE, MN 56046 USA
Class:	INDUSTRIAL
Map Area:	INDUSTRIAL
Tax District:	HW
Zoning:	-- NONE --
Sec-Twp-Rng:	--
Lot-Block:	-
Legal Description:	S 372' LOT 1 SE SW NE
Property Report:	PROPERTY REPORT (PDF FILE)

1 / 8

Land Value	Dwelling Value	Improvement Value	Total Value
$82,750	$0	$534,910	$617,660

Prior Year Value Information

Year	Land Value	Dwelling Value	Improvement Value	Total Value
2018	$82,750	$0	$534,910	$617,660
2017	$82,750	$0	$534,910	$617,660

More Years...

Land Information

Lot Type	Square Feet	Acres
Site and Excess	144,184	3.310

Commercial Building Information

Occupancy	Year Built	Building Area
Metal Light Mfg - Steel	1993	6,000

Building 1 of 3

Year Built:	1993
Occupancy:	Metal Light Mfg - Steel

Label: B1
Gross Building Area: 19,576

Verticals-Horizontals

Component	Description	Units 1	Units 2
Ceiling:	Unfinished	1	6,000
Exterior Wall:	Mtl/ Stl/ Insul (51'-79' Wide)	18	0
Framing:	Steel - Average	1	6,000
Fronts/Doors:	Incl. w / Base	Average	0
Ftr & Fdtn:	Reinforced Concrete w/o Bsmt	8"	0
HVAC:	Forced Hot Air	1	6,000
Interior Wall:	Metal Liner	8	0
Lighting:	Industrial - Average	1	6,000
Roof:	Metal/ Stl/ Insul (51'-79' Wide)		6,000
Struct. Floor:	6" R'Concrete	1	6,000
Windows:	Incl. w / Base	0	0

Plumbing

Description	Quantity	Range
Urinal - Wall	2	Base
Water Closet	2	Base
Toilet Room	4	Base

Adjustments

Description	Quantity	Range
Mezzanine - open storage/Whse/wd	200	Average
A/C - Add	1,000	Average
Mezzanine - finished(no a/c)	1,000	Average
Liner - metal (SFSA)	1,920	Average
Office-internal with Heat & A/C	1,200	Average

Extras 1 of 2

Type:	Door
Description:	Door
Type:	O.H. Door - Power
Width:	12
Height:	10
Price:	Average
Quantity:	120 SFSA

Extras 2 of 2

Type:	Door
Description:	Door
Type:	Plastic Strip
Width:	10
Height:	10
Price:	Average
Quantity:	100 SFSA

Metal Light Mfg - Steel 1993 3,000

Addition 1 of 4

Year Built: 1993
Occupancy: Metal Light Mfg - Steel
Label: A1
Gross Building Area: 19,576

Verticals-Horizontals

Component	Description	Units 1	Units 2
Ceiling:			
Metal Liner	1	3,000	
Exterior Wall:			
Mtl/ Stl/ Insul (51'-79' Wide)	30	160	
Framing:			
Steel - Average	1	3,000	
Fronts/Doors:			
Incl. w / Base	Average	0	
Ftr & Fdtn:			
Reinforced Concrete w/o Bsmt	8"	0	
HVAC:			
Forced Hot Air	1	3,000	
Interior Wall:			
Metal Liner	30	160	
Lighting:			
Industrial - Average	1	3,000	
Roof:			
Metal/ Stl/ Insul (51'-79' Wide)		3,000	
Struct. Floor:			

6" R'Concrete		1	3,000
Windows:			
Incl. w / Base		0	0

Adjustments

Description	Quantity	Range
Interior - finish	210	Low
Liner - metal (SFSA)	4,800	Average
Liner - metal (SFSA)	3,000	Average
Wall - none or steel frame	1,800	Average

Extras 1 of 1

Type:	Door
Description:	Door
Type:	Plastic Strip
Width:	10
Height:	10
Price:	Average
Quantity:	100 SFSA

Metal Light Mfg - Steel 2004 2,000

Addition 2 of 4

Year Built:	2004
Occupancy:	Metal Light Mfg - Steel
Label:	A2
Gross Building Area:	19,576

Verticals-Horizontals

Component	Description	Units 1	Units 2
Ceiling:			
Metal Liner		1	2,000
Exterior Wall:			
Concrete - 8" Reinforced		4	130
Exterior Wall:			
Metal/ Stl/ Insul (<50' Wide)		26	130
Framing:			
Steel - Average		1	2,000
Fronts/Doors:			
Incl. w / Base		Average	0
Ftr & Fdtn:			
Reinforced Concrete w/o Bsmt		8"	0
HVAC:			
Forced Hot Air		1	2,000
Interior Wall:			
Metal Liner		0	0
Lighting:			
Industrial - Average		1	2,000
Roof:			
Metal/ Stl/ Insul (< 50' Wide)			2,000
Struct. Floor:			
6" R'Concrete		1	2,000
Windows:			
Incl. w / Base		0	0

Adjustments

Description	Quantity	Range
Floor - dock level adjustment	2,000	Average
Liner - metal (SFSA)	2,000	Average
Liner - metal (SFSA)	3,380	Average
Wall - none or steel frame	1,250	Average

Extras 1 of 2

Type:	Door

Extras 2 of 2

Type:	Door

Description:	Door	Description:	Door
Type:	O.H. Door - Manual	Type:	O.H. Door - Power
Width:	12	Width:	12
Height:	10	Height:	12
Price:	Average	Price:	Average
Quantity:	120 SFSA	Quantity:	144 SFSA

Metal Warehouse - Steel Frame 2002 6,000

Addition 3 of 4

Year Built:	2002
Occupancy:	Metal Warehouse - Steel Frame
Label:	A3
Gross Building Area:	19,576

Verticals-Horizontals

Component	Description	Units 1	Units 2
Ceiling:			
Unfinished		1	6,000
Exterior Wall:			
Metal/ Steel (51'-79' Wide)		18	0
Framing:			
Steel - Average		1	6,000
Ftr & Fdtn:			
Reinforced Concrete w/o Bsmt		8"	0
Interior Wall:			
Metal Liner		8	0
Lighting:			
Industrial - Average		1	6,000
Roof:			
Metal/ Steel (51'-79' Wide)			6,000
Struct. Floor:			
6" R'Concrete		1	6,000
Windows:			
Incl. w / Base		0	0

Adjustments

Description	Quantity	Range
Mezzanine - open storage/Whse/wd	280	Average
Office-internal with Heat & A/C	280	Average
Liner - metal (SFSA)	2,080	Average
Wall - none or steel frame	1,080	Average

Extras 1 of 2

Type:	Truck Well
Description:	Truck Well
Floor:	660 Square Feet
Foundation:	60 Lineal Feet

Extras 2 of 2

Type:	Door
Description:	Door
Type:	O.H. Door w/Seal - Power
Width:	8
Height:	8
Price:	Average
Quantity:	64 SFSA

Metal Office 2012 2,576

Addition 4 of 4

Year Built:	2012
Occupancy:	Metal Office
Label:	A4
Gross Building Area:	19,576

Verticals-Horizontals

Component	Description	Units 1	Units 2
Ceiling:			
Metal Liner	1	2,576	
Exterior Wall:			
Concrete - 8" Reinforced	4	0	
Exterior Wall:			
Mtl/ Stl/ Insul (51'-79' Wide)	14	0	
Framing:			
Steel - Average	1	2,576	
Fronts/Doors:			
Incl. w / Base	Average	0	
Ftr & Fdtn:			
Reinforced Concrete w/o Bsmt	8"	0	
HVAC:			
Central AC	1	0	
HVAC:			
In-Floor Heat (Simple)	1	2,576	
Interior Wall:			
Metal Liner	0	0	
Lighting:			
Retail Store (Small)	1	2,576	
Partitions:			
Incl. w / Base	1	2,576	
Roof:			
Metal/ Stl/ Insul (51'-79' Wide)		2,576	
Struct. Floor:			
4" R'Concrete	1	2,576	
Windows:			
Incl. w / Base	0	0	

Plumbing

Description	Quantity	Range
Lavatory	2	Base

Adjustments

Description	Quantity	Range
Floor - dock level adjustment	2,576	Average

Metal Warehouse - Steel Frame 2002 680

Building 2 of 3

Year Built:	2002
Occupancy:	Metal Warehouse - Steel Frame
Label:	B2
Gross Building Area:	680

Verticals-Horizontals

Component	Description	Units 1	Units 2
Ceiling:	Unfinished	1	680
Exterior Wall:	Metal/ Steel (< 50' Wide)	24	0
Framing:	Steel - Average	1	680
Fronts/Doors:	Incl. w / Base	Average	0
Ftr & Fdtn:	Reinforced Concrete w/o Bsmt	8"	0
Interior Wall:	Unfinished	0	0
Lighting:	Industrial - Light	1	680
Roof:	Metal/ Steel (< 50' Wide)		680
Struct. Floor:	6" R'Concrete	1	680

Adjustments

Description	Quantity	Range
Office - external - Fertilizer Bldg	140	Average
Heat - none	680	Average

Extras 1 of 4

Type:	Superstructure - Hopper Bin
Description:	Superstructure - Hopper Bin
Type:	Medium
Pricing:	Average

Extras 2 of 4

Type:	Hopper Bin (Commercial)
Description:	Hopper Bin (Commercial)
Type:	Welded Steel
Pricing:	Sidewall x Diameter
Diameter:	15.00 Feet
Sidewall Height:	11
Capacity:	2,715 Bushels

Extras 3 of 4

Type:	Dump Pit
Description:	Dump Pit
Pricing:	Average
Quantity:	1 Each

Capacity: 0.00 Tons

Extras 4 of 4

Type:	Door
Description:	Door
Type:	O.H. Door - Power
Width:	14
Height:	16
Price:	Average
Quantity:	224 SFSA

Metal Warehouse - Steel Frame 2012 798

Building 3 of 3

Year Built:	2012
Occupancy:	Metal Warehouse - Steel Frame
Label:	B3
Gross Building Area:	798

Verticals-Horizontals

Component	Description	Units 1	Units 2
Ceiling:	Unfinished	1	798
Exterior Wall:	Metal/ Steel (< 50' Wide)	27	0
Framing:	Steel - Average	1	798
Fronts/Doors:	Incl. w / Base	Average	0
Ftr & Fdtn:	Reinforced Concrete w/o Bsmt	8"	0
Interior Wall:	Unfinished	0	0
Lighting:	Industrial - Light	1	798
Roof:	Metal/ Steel (< 50' Wide)		798
Struct. Floor:	6" R'Concrete	1	798

Adjustments

Description	Quantity	Range
Office - external - Fertilizer Bldg	168	Average
Heat - none	798	Average

Extras 1 of 4

Type:	Superstructure - Hopper Bin
Description:	Superstructure - Hopper Bin
Type:	Medium
Pricing:	Average

Extras 2 of 4

Type:	Hopper Bin (Commercial)
Description:	Hopper Bin (Commercial)
Type:	Welded Steel
Pricing:	Sidewall x Diameter
Diameter:	16.00 Feet
Sidewall Height:	44
Capacity:	0 Bushels
Capacity:	0.00 Tons

Extras 3 of 4

Type:	Dump Pit
Description:	Dump Pit
Pricing:	Average
Quantity:	1 Each

Extras 4 of 4

Type:	Door
Description:	Door
Type:	Steel Roll - Power
Width:	16
Height:	18
Price:	Average
Quantity:	288 SFSA

Yard Extra Information

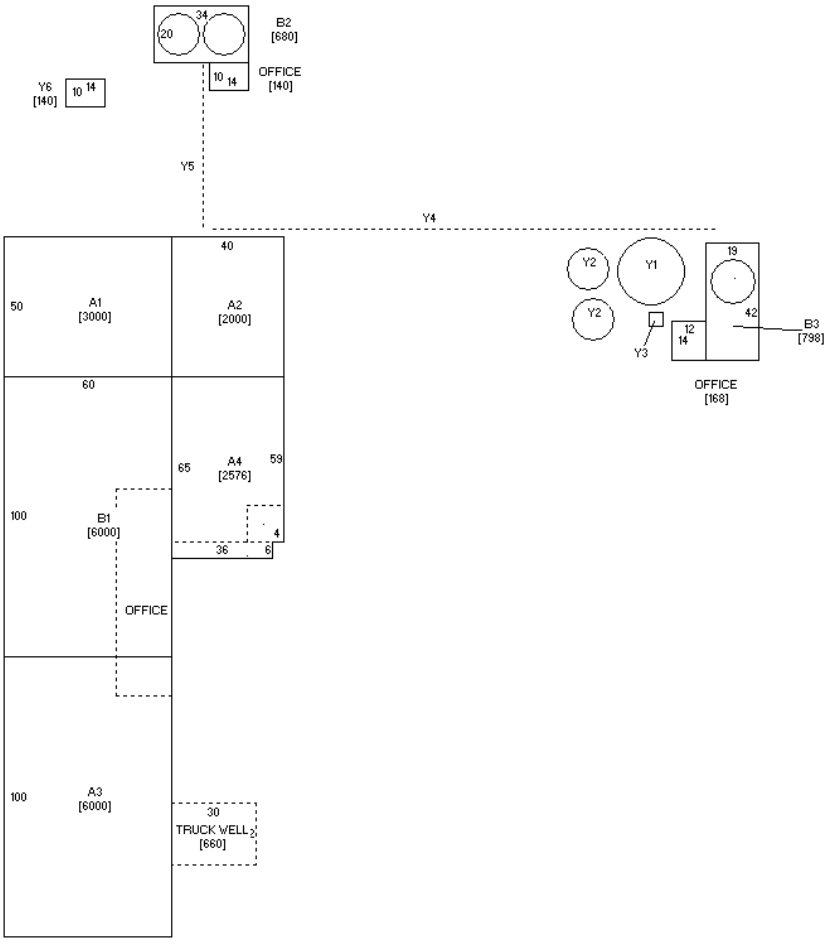
Description		Item Count	Year Built
Bucket Conveyor (Leg)		1	2012
Year Built:	2012		
Description:	Bucket Conveyor (Leg)		
Pricing:	Bushels Per Hour		
Capacity:	5,000 Bu or Ton/Hr		
Conveyor Height:	125 Feet		
Distributor Heads:	Single		
Spouts:	10		
Manual/Auto:	Manual		
Size:	10 Inches		
Count:	1		
Plot Number:	3		
Hopper Bin (Commercial)		1	2012
Year Built:	2012		
Description:	Hopper Bin (Commercial)		
Type:	Bolted Steel		
Pricing:	Sidewall x Diameter		
Diameter:	24.00 Feet		
Sidewall Height:	60		
Capacity:	20,000 Bushels		
Capacity:	0.00 Tons		
Count:	1		
Plot Number:	1		
Hopper Bin (Commercial)		2	2000
Year Built:	2000		
Description:	Hopper Bin (Commercial)		
Type:	Bolted Steel		
Pricing:	Sidewall x Diameter		
Diameter:	15.00 Feet		
Sidewall Height:	16		
Capacity:	3,700 Bushels		
Capacity:	0.00 Tons		
Count:	2		
Plot Number:	2		
Leg Towers		1	2012
Year Built:	2012		
Description:	Leg Towers		
Pricing:	Average		
Quantity:	125 PLF		
Count:	1		
Plot Number:	3		
Pneumatic Conveying System		1	2012
Year Built:	2012		
Description:	Pneumatic Conveying System		
Pricing:	High		
# of Bins:	4		
Count:	1		
Plot Number:	4		
Pneumatic Conveying System		1	2002
Year Built:	2002		
Description:	Pneumatic Conveying System		
Pricing:	Average		
# of Bins:	1		
Count:	1		
Plot Number:	5		
Shed		1	2013
Year Built:	2013		

Description:	Shed
Type:	Frame
Pricing:	Average
Width:	10.00
Length:	14.00
Area:	140 Square Feet
Count:	1
Plot Number:	

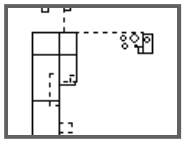
Building Permit Information

Date	Number	Tag Descr	Tag Date	Amount	Reason
03/20/2013		Yes	01/01/2014	0	Misc

Sketch

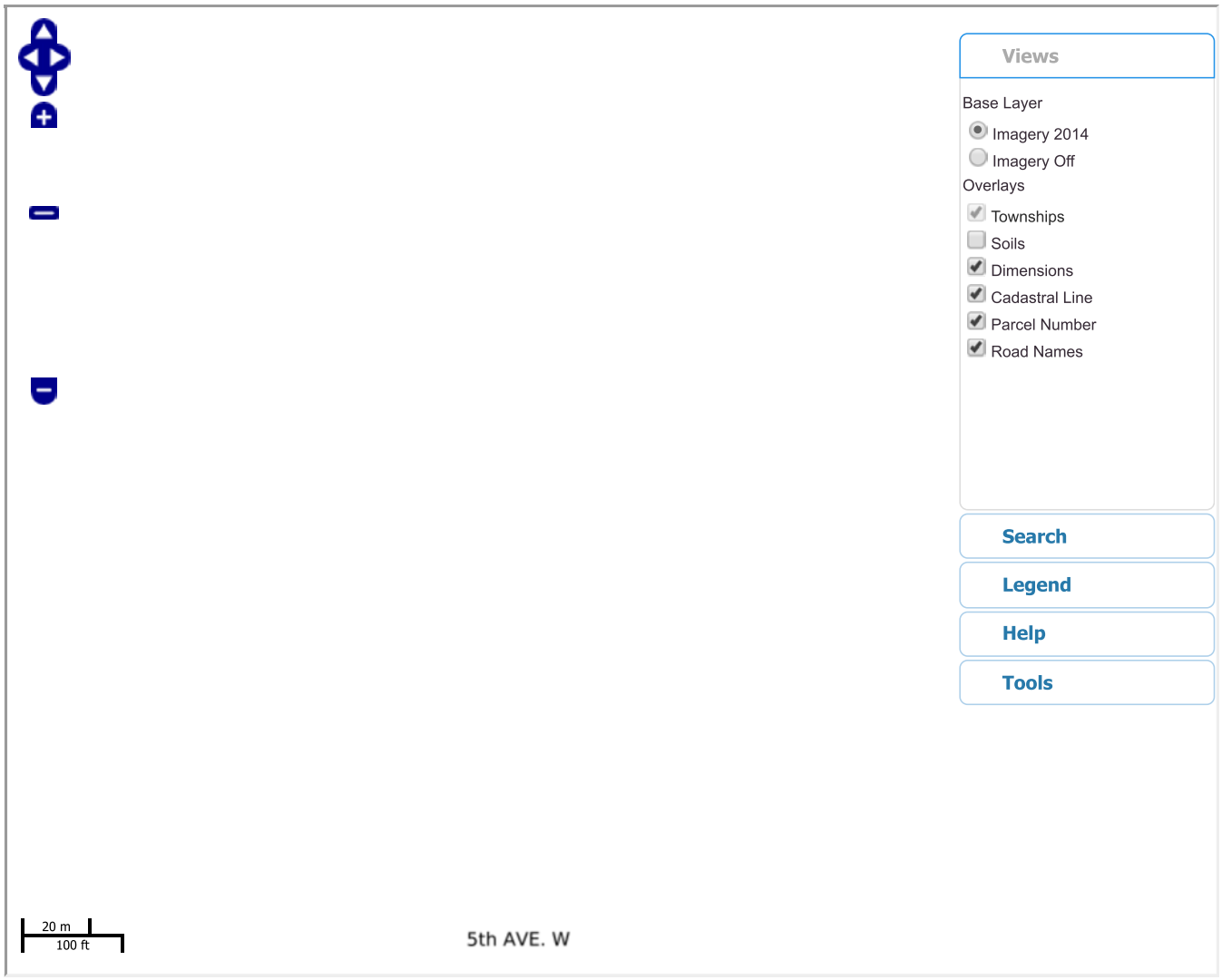


1 / 1



GIS Map Information

The Howard County Assessor may provide property information to the public "as is" without warranty of any kind, expressed or implied. Assessed values are subject to change by the assessor, Board of Review or State Equalization process. Statutory exemptions including revitalization exemptions may affect the taxable values. In no event will the County Assessor be liable to anyone for damages, arising from the use of the property data. You assume responsibility for the selection of data to achieve your intended results, and for the installation and use of the results obtained from the property data.


Views
Base Layer
Imagery 2014
Imagery Off
Overlays
Townships
Soils
Dimensions
Cadastral Line
Parcel Number
Road Names
Search
Legend
Help
Tools
20 m
100 ft
5th AVE. W

,

Deed: **SUNRICH INC**
Contract:
CID#: **08-22-251-001**
DBA: **SUNOPTA**
MLS:

Map Area: **INDUSTRIAL**
Route: **000-000-000**
Tax Dist: **HW**
Plat Page:
Subdiv: **[NONE]**

Checks/Tags:
Lister/Date:
Review/Date:
Entry Status: **Inspected**

URBAN / INDUSTRIAL

Legal: Section: ; Twp: ; Rng: ; Block: ; Lot: ; Deeded Acres: 0.000
S 372' LOT 1 SE SW NE

Land

Land Basis	Front	Rear	Side 1	Side 2	R. Lot	SF	Acres	Depth/Unit	EFF/Type	Qual./Land
Site-Excess							3.310			A NML
Sub Total						144,183.60	3.310			
Grand Total						144,183.60	3.310			

Street	Utilities	Zoning	Land Use
Site-Excess None	None	-- NONE --	Not Applicable

Sales

Date	$ Amount	NUTC	Recording

Building Permits

Date	Number	Tag	$ Amount	Reason

Values

Type	Appraised	B of R	St. Equalized	Pr Yr: 2018
Land		$0	$0	
LandC	$82,750	$0	$0	$82,750
Dwlg		$0	$0	
Impr	$534,910	$0	$0	$534,910
Total	$617,660	$0	$0	$617,660

Precomputed Structure

Occ. Code	608
Occ. Descr.	Metal Light Mfg - Steel
Year Built	1993
EFF Age/Yr	18/ 1993
Condition	NML
Description	B1
Width	60
Ht	18
Grade	4
Base	6,000
Basement	0
GBA	19576

Verticals

Ftr & Fdtn	inforced Concrete w/o Bsmt	8"				
Exterior wall	Mtl/ Stl/ Insul (51'-79' Wide)	18				
Interior wall	Metal Liner	8				
Pilasters						
Wall facing						
Windows	Incl. w / Base	0				
Fronts/Doors	Incl. w / Base	Average				

Horizontals

Basement						
Roof	etal/ Stl/ Insul (51'-79' Wide)					
Ceiling	Unfinished	1				
Struct. Floor	6" R'Concrete	1				
Floor Cover						
Partitions						
Framing	Steel - Average	1				
HVAC	Forced Hot Air	1				
Lighting	Industrial - Average	1				
Sprinkler						

Plumbing

	B	Ext
Toilet Room	4	
Water Closet	2	
Urinal - Wall	2	

Adjustments

Office-internal with He	1,200	AVG
Liner - metal (SFSA)	1,920	AVG
Mezzanine - finished(r	1,000	AVG
A/C - Add	1,000	AVG
Mezzanine - open stor	200	AVG

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Bldg / Addn		Description	Units	Year
1 of 7	Bldg	O 608 – Metal Light Mfg - Steel		
	Pre	P 608 – Metal Light Indust. - Steel Frame	6,000	
	V	Ftr & Fdtn		
		Reinforced Concrete w/o Bsmt - 8"		
	V	Exterior Wall		
		Mtl/ Stl/ Insul (51'-79' Wide) - 18	18	
	V	Interior Wall		
		Metal Liner - 8	8	
	V	Windows		
		Incl. w / Base - 0		
	V	Fronts/Doors		
		Incl. w / Base - Average		
	H	Roof		
		Metal/ Stl/ Insul (51'-79' Wide)	6,000	
	H	Ceiling		
		Unfinished - 1	6,000	
	H	Struct. Floor		
		6" R'Concrete - 1	6,000	
	H	Framing		
		Steel - Average - 1	6,000	
	H	HVAC		
		Forced Hot Air - 1	6,000	
	H	Lighting		
		Industrial - Average - 1	6,000	
	Plmb	Toilet Room - Base	4	
	Plmb	Water Closet - Base	2	
	Plmb	Urinal - Wall - Base	2	
	Adj	Office-internal with Heat & A/C - AVG	1,200	
	Adj	Liner - metal (SFSA) - AVG	1,920	
	Adj	Mezzanine - finished(no a/c) - AVG	1,000	
	Adj	A/C - Add - AVG	1,000	
	Adj	Mezzanine - open storage/Whse/wd - A\	200	
1 of 2	Ex	Door Plastic Strip, 10 Ft Wide, 10 Ft High	1	1993
2 of 2	Ex	Door O.H. Door - Power, 12 Ft Wide, 10 Ft High	1	1993

Precomputed Addition

Occ. Code	608
Occ. Descr.	Metal Light Mfg - Steel
Year Built	1993
EFF Age/Yr	18/ 1993
Condition	NML
Description	A1
Width	60
Ht	30
Grade	4
Base	3,000
Basement	0
GBA	19576

Verticals

Ftr & Fdtn	inforced Concrete w/o Bsmt	8"				
Exterior wall	Mtl/ Stl/ Insul (51'-79' Wide)	30				
Interior wall	Metal Liner	30				
Pilasters						
Wall facing						
Windows	Incl. w / Base	0				
Fronts/Doors	Incl. w / Base	Average				

Horizontals

Basement						
Roof	etal/ Stl/ Insul (51'-79' Wide)					
Ceiling	Metal Liner	1				
Struct. Floor	6" R'Concrete	1				
Floor Cover						
Partitions						
Framing	Steel - Average	1				
HVAC	Forced Hot Air	1				
Lighting	Industrial - Average	1				
Sprinkler						

Plumbing

	B	Ext

Adjustments

Wall - none or steel fra	1,800	AVG
Liner - metal (SFSA)	3,000	AVG
Liner - metal (SFSA)	4,800	AVG
Interior - finish	210	Low

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Bldg / Addn		Description	Units	Year
Addtn 1	Adtn	O 608 – Metal Light Mfg - Steel		
	Pre	P 608 – Metal Light Indust. - Steel Frame	3,000	
	V	Ftr & Fdtn		
		Reinforced Concrete w/o Bsmt - 8"		
	V	Exterior Wall		
		Mtl/ Stl/ Insul (51'-79' Wide) - 30	160	
	V	Interior Wall		
		Metal Liner - 30	160	
	V	Windows		
		Incl. w / Base - 0		
	V	Fronts/Doors		
		Incl. w / Base - Average		
	H	Roof		
		Metal/ Stl/ Insul (51'-79' Wide)	3,000	
	H	Ceiling		
		Metal Liner - 1	3,000	
	H	Struct. Floor		
		6" R'Concrete - 1	3,000	
	H	Framing		
		Steel - Average - 1	3,000	
	H	HVAC		
		Forced Hot Air - 1	3,000	
	H	Lighting		
		Industrial - Average - 1	3,000	
	Adj	Wall - none or steel frame - AVG	1,800	
	Adj	Liner - metal (SFSA) - AVG	3,000	
	Adj	Liner - metal (SFSA) - AVG	4,800	
	Adj	Interior - finish - Low	210	
	Ex	Door	1	1993
		Plastic Strip, 10 Ft Wide, 10 Ft High		

Precomputed Addition

Occ. Code	608
Occ. Descr.	Metal Light Mfg - Steel
Year Built	2004
EFF Age/Yr	7/ 2004
Condition	NML
Description	A2
Width	50
Ht	30
Grade	4
Base	2,000
Basement	0
GBA	19576

Verticals

Ftr & Fdtn	inforced Concrete w/o Bsmt	8"				
Exterior wall	Concrete - 8" Reinforced	4	Metal/ Stl/ Insul (<50' Wide)	26		
Interior wall	Metal Liner	0				
Pilasters						
Wall facing						
Windows	Incl. w / Base	0				
Fronts/Doors	Incl. w / Base	Average				

Horizontals

Basement						
Roof	Metal/ Stl/ Insul (< 50' Wide)					
Ceiling	Metal Liner	1				
Struct. Floor	6" R'Concrete	1				
Floor Cover						
Partitions						
Framing	Steel - Average	1				
HVAC	Forced Hot Air	1				
Lighting	Industrial - Average	1				
Sprinkler						

Plumbing

	B	Ext

Adjustments

Wall - none or steel fra	1,250	AVG
Liner - metal (SFSA)	3,380	AVG
Liner - metal (SFSA)	2,000	AVG
Floor - dock level adjus	2,000	AVG

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Bldg / Addn		Description	Units				Year							
Addtn 2	Adtn	O 608 – Metal Light Mfg - Steel												
	Pre	P 608 – Metal Light Indust. - Steel Frame	2,000											
	V	Ftr & Fdtn												
		Reinforced Concrete w/o Bsmt - 8"												
	V	Exterior Wall												
		Concrete - 8" Reinforced - 4	130											
		Metal/ Stl/ Insul (<50' Wide) - 26	130											
	V	Interior Wall												
		Metal Liner - 0												
	V	Windows												
		Incl. w / Base - 0												
	V	Fronts/Doors												
		Incl. w / Base - Average												
	H	Roof												
		Metal/ Stl/ Insul (< 50' Wide)	2,000											
	H	Ceiling												
		Metal Liner - 1	2,000											
	H	Struct. Floor												
		6" R'Concrete - 1	2,000											
	H	Framing												
		Steel - Average - 1	2,000											
	H	HVAC												
		Forced Hot Air - 1	2,000											
	H	Lighting												
		Industrial - Average - 1	2,000											
	Adj	Wall - none or steel frame - AVG	1,250											
	Adj	Liner - metal (SFSA) - AVG	3,380											
	Adj	Liner - metal (SFSA) - AVG	2,000											
	Adj	Floor - dock level adjustment - AVG	2,000											
1 of 2	Ex	Door	1				2004							
		O.H. Door - Power, 12 Ft Wide, 12 Ft High												
2 of 2	Ex	Door	1				2004							
		O.H. Door - Manual, 12 Ft Wide, 10 Ft High												

Precomputed Addition

Occ. Code	601
Occ. Descr.	Metal Warehouse - Steel Frame
Year Built	2002
EFF Age/Yr	9/ 2002
Condition	NML
Description	A3
Width	60
Ht	18
Grade	4
Base	6,000
Basement	0
GBA	19576

Verticals

Ftr & Fdtn	inforced Concrete w/o Bsmt	8"				
Exterior wall	Metal/ Steel (51'-79' Wide)	18				
Interior wall	Metal Liner	8				
Pilasters						
Wall facing						
Windows	Incl. w / Base	0				
Fronts/Doors						

Horizontals

Basement						
Roof	Metal/ Steel (51'-79' Wide)					
Ceiling	Unfinished	1				
Struct. Floor	6" R'Concrete	1				
Floor Cover						
Partitions						
Framing	Steel - Average	1				
HVAC						
Lighting	Industrial - Average	1				
Sprinkler						

Plumbing

	B	Ext

Adjustments

Wall - none or steel fra	1,080	AVG
Liner - metal (SFSA)	2,080	AVG
Office-internal with He	280	AVG
Mezzanine - open stor	280	AVG

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Bldg / Addn		Description	Units	Year
Addtn 3	Adtn	O 601 – Metal Warehouse - Steel Frame		
	Pre	P 601 – Metal Warehouse - Steel Frame	6,000	
	V	Ftr & Fdtn		
		Reinforced Concrete w/o Bsmt - 8"		
	V	Exterior Wall		
		Metal/ Steel (51'-79' Wide) - 18	18	
	V	Interior Wall		
		Metal Liner - 8	8	
	V	Windows		
		Incl. w / Base - 0		
	H	Roof		
		Metal/ Steel (51'-79' Wide)	6,000	
	H	Ceiling		
		Unfinished - 1	6,000	
	H	Struct. Floor		
		6" R'Concrete - 1	6,000	
	H	Framing		
		Steel - Average - 1	6,000	
	H	Lighting		
		Industrial - Average - 1	6,000	
	Adj	Wall - none or steel frame - AVG	1,080	
	Adj	Liner - metal (SFSA) - AVG	2,080	
	Adj	Office-internal with Heat & A/C - AVG	280	
	Adj	Mezzanine - open storage/Whse/wd - A\	280	
1 of 2	Ex	Door	1	2002
		O.H. Door w/Seal - Power, 8 Ft Wide, 8 Ft High		
2 of 2	Ex	Truck Well	1	2002
		Floor=660, Foundation=60		

Precomputed Addition

Occ. Code	604
Occ. Descr.	Metal Office
Year Built	2012
EFF Age/Yr	1/ 2012
Condition	NML
Description	A4
Style	Full Sales Area
Width	65
Grade	4
Base	2,576
Basement	0
GBA	19576

Verticals

Ftr & Fdtn	inforced Concrete w/o Bsmt	8"				
Exterior wall	Mtl/ Stl/ Insul (51'-79' Wide)	14	Concrete - 8" Reinforced	4		
Interior wall	Metal Liner	0				
Pilasters						
Wall facing						
Windows	Incl. w / Base	0				
Fronts/Doors	Incl. w / Base	Average				

Horizontals

Basement						
Roof	etal/ Stl/ Insul (51'-79' Wide)					
Ceiling	Metal Liner	1				
Struct. Floor	4" R'Concrete	1				
Floor Cover						
Partitions	Incl. w / Base	1				
Framing	Steel - Average	1				
HVAC	In-Floor Heat (Simple)	1	Central AC	1		
Lighting	Retail Store (Small)	1				
Sprinkler						

Plumbing

	B	Ext
Lavatory	2	

Adjustments

Floor - dock level adjus	2,576	AVG

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Bldg / Addn		Description	Units				Year							
Addtn 4	Adtn	O 604 – Metal Office												
	Pre	P 611 – Metal Retail Store - Steel Frame	2,576											
	V	Ftr & Fdtn												
		Reinforced Concrete w/o Bsmt - 8"												
	V	Exterior Wall												
		Mtl/ Stl/ Insul (51'-79' Wide) - 14	14											
		Concrete - 8" Reinforced - 4	4											
	V	Interior Wall												
		Metal Liner - 0												
	V	Windows												
		Incl. w / Base - 0												
	V	Fronts/Doors												
		Incl. w / Base - Average												
	H	Roof												
		Metal/ Stl/ Insul (51'-79' Wide)	2,576											
	H	Ceiling												
		Metal Liner - 1	2,576											
	H	Struct. Floor												
		4" R'Concrete - 1	2,576											
	H	Partitions												
		Incl. w / Base - 1	2,576											
	H	Framing												
		Steel - Average - 1	2,576											
	H	HVAC												
		In-Floor Heat (Simple) - 1	2,576											
		Central AC - 1	1											
	H	Lighting												
		Retail Store (Small) - 1	2,576											
	Plmb	Lavatory - Base	2											
	Adj	Floor - dock level adjustment - AVG	2,576											

Precomputed Structure

Occ. Code	601
Occ. Descr.	Metal Warehouse - Steel Frame
Year Built	2002
EFF Age/Yr	9/ 2002
Condition	NML
Description	B2
Width	20
Ht	24
Grade	4
Base	680
Basement	0
GBA	680

Verticals

Ftr & Fdtn	inforced Concrete w/o Bsmt	8"				
Exterior wall	Metal/ Steel (< 50' Wide)	24				
Interior wall	Unfinished	0				
Pilasters						
Wall facing						
Windows						
Fronts/Doors	Incl. w / Base	Average				

Horizontals

Basement						
Roof	Metal/ Steel (< 50' Wide)					
Ceiling	Unfinished	1				
Struct. Floor	6" R'Concrete	1				
Floor Cover						
Partitions						
Framing	Steel - Average	1				
HVAC						
Lighting	Industrial - Light	1				
Sprinkler						

Plumbing

	B	Ext

Adjustments

Heat - none	680	AVG
Office - external - Ferti	140	AVG

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Bldg / Addn		Description	Units	Year
6 of 7	Bldg	O 601 – Metal Warehouse - Steel Frame		
	Pre	P 601 – Metal Warehouse - Steel Frame	680	
	V	Ftr & Fdtn		
		Reinforced Concrete w/o Bsmt - 8"		
	V	Exterior Wall		
		Metal/ Steel (< 50' Wide) - 24	24	
	V	Interior Wall		
		Unfinished - 0		
	V	Fronts/Doors		
		Incl. w / Base - Average		
	H	Roof		
		Metal/ Steel (< 50' Wide)	680	
	H	Ceiling		
		Unfinished - 1	680	
	H	Struct. Floor		
		6" R'Concrete - 1	680	
	H	Framing		
		Steel - Average - 1	680	
	H	Lighting		
		Industrial - Light - 1	680	
	Adj	Heat - none - AVG	680	
	Adj	Office - external - Fertilizer Bldg - AVG	140	
1 of 4	Ex	Door	2	2002
		O.H. Door - Power, 14 Ft Wide, 16 Ft High		
2 of 4	Ex	Dump Pit	1	2002
		Average Pricing		
3 of 4	Ex	Hopper Bin (Commercial)	2	2002
		Welded Steel, 2,715 BU, 11' Sidewall Ht, 15' Diameter, 0 Tons		
4 of 4	Ex	Superstructure - Hopper Bin	1	2002
		Medium, Average Pricing		

Precomputed Structure

Occ. Code	601
Occ. Descr.	Metal Warehouse - Steel Frame
Year Built	2012
EFF Age/Yr	1/ 2012
Condition	NML
Description	B3
Width	19
Ht	27
Grade	4
Base	798
Basement	0
GBA	798

Verticals

Ftr & Fdtn	inforced Concrete w/o Bsmt	8"				
Exterior wall	Metal/ Steel (< 50' Wide)	27				
Interior wall	Unfinished	0				
Pilasters						
Wall facing						
Windows						
Fronts/Doors	Incl. w / Base	Average				

Horizontals

Basement						
Roof	Metal/ Steel (< 50' Wide)					
Ceiling	Unfinished	1				
Struct. Floor	6" R'Concrete	1				
Floor Cover						
Partitions						
Framing	Steel - Average	1				
HVAC						
Lighting	Industrial - Light	1				
Sprinkler						

Plumbing

	B	Ext

Adjustments

Heat - none	798	AVG
Office - external - Ferti	168	AVG

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Bldg / Addn		Description	Units				Year							
7 of 7	Bldg	O 601 – Metal Warehouse - Steel Frame												
	Pre	P 601 – Metal Warehouse - Steel Frame	798											
	V	Ftr & Fdtn												
		Reinforced Concrete w/o Bsmt - 8"												
	V	Exterior Wall												
		Metal/ Steel (< 50' Wide) - 27	27											
	V	Interior Wall												
		Unfinished - 0												
	V	Fronts/Doors												
		Incl. w / Base - Average												
	H	Roof												
		Metal/ Steel (< 50' Wide)	798											
	H	Ceiling												
		Unfinished - 1	798											
	H	Struct. Floor												
		6" R'Concrete - 1	798											
	H	Framing												
		Steel - Average - 1	798											
	H	Lighting												
		Industrial - Light - 1	798											
	Adj	Heat - none - AVG	798											
	Adj	Office - external - Fertilizer Bldg - AVG	168											
1 of 4	Ex	Door	2				2002							
		Steel Roll - Power, 16 Ft Wide, 18 Ft High												
2 of 4	Ex	Dump Pit	1				2002							
		Average Pricing												
3 of 4	Ex	Hopper Bin (Commercial)	1				2012							
		Welded Steel, 0 BU, 44' Sidewall Ht, 16' Diameter, 0 Tons												
4 of 4	Ex	Superstructure - Hopper Bin	1				2002							
		Medium, Average Pricing												

		Description	Units	Cond	Year
P:1	Yrd	1 — Hopper Bin (Commercial)		NML	2012
		Bolted Steel, 20,000 BU, 60' Sidewall Ht, 24' Diameter, 0 Tons			
P:2	Yrd	2 — Hopper Bin (Commercial)		NML	2000
		Bolted Steel, 3,700 BU, 16' Sidewall Ht, 15' Diameter, 0 Tons			
P:3	Yrd	1 — Bucket Conveyor (Leg)		NML	2012
		5,000 Cap., Conv. Hght 125 Ft, Heads:single 10 Spouts, Manual, 10 In.			
P:3	Yrd	1 — Leg Towers		NML	2012
		125 Qty.			
P:4	Yrd	1 — Pneumatic Conveying System		NML	2012
		Pricing=high, # of Bins=4			
P:5	Yrd	1 — Pneumatic Conveying System		NML	2002
		Pricing=average, # of Bins=1			
	Yrd	1 — Shed		NML	2013
		W10.00 x L14.00 140 SF, Frame, Avg Pricing			

Prior Year	Comment	Value Type	Location	Class	Land Value	Dwelling Value	Improvement Value	M & E Value	Total Value
2018		Appr	URBAN	Ind	$82,750	$0	$534,910	$0	$617,660
2017		Appr	URBAN	Ind	$82,750	$0	$534,910	$0	$617,660
2016		Appr	URBAN	Ind	$82,750	$0	$534,910	$0	$617,660
2015		Appr	URBAN	Ind	$82,750	$0	$534,910	$0	$617,660
2014		Appr	URBAN	Ind	$82,750	$0	$534,910	$0	$617,660
2013		Appr	URBAN	Ind	$82,750	$0	$505,050	$0	$587,800
2012		BofR	URBAN	Ind	$34,350	$0	$575,010	$0	$609,360
2011		BofR	URBAN	Ind	$34,350	$0	$575,010	$0	$609,360
2010	Import from 98 Manual	Appr			$34,350	$0	$553,120	$0	$587,470
2009		BofR			$34,350	$0	$553,120	$0	$587,470
2008		BofR			$34,350	$0	$553,120	$0	$587,470
2007		BofR			$34,350	$0	$553,120	$0	$587,470
2006		BofR			$34,350	$0	$553,120	$0	$587,470

Photo 1 of 8 03/13/2013

Photo 2 of 8 03/13/2013

Photo 3 of 8 03/13/2013

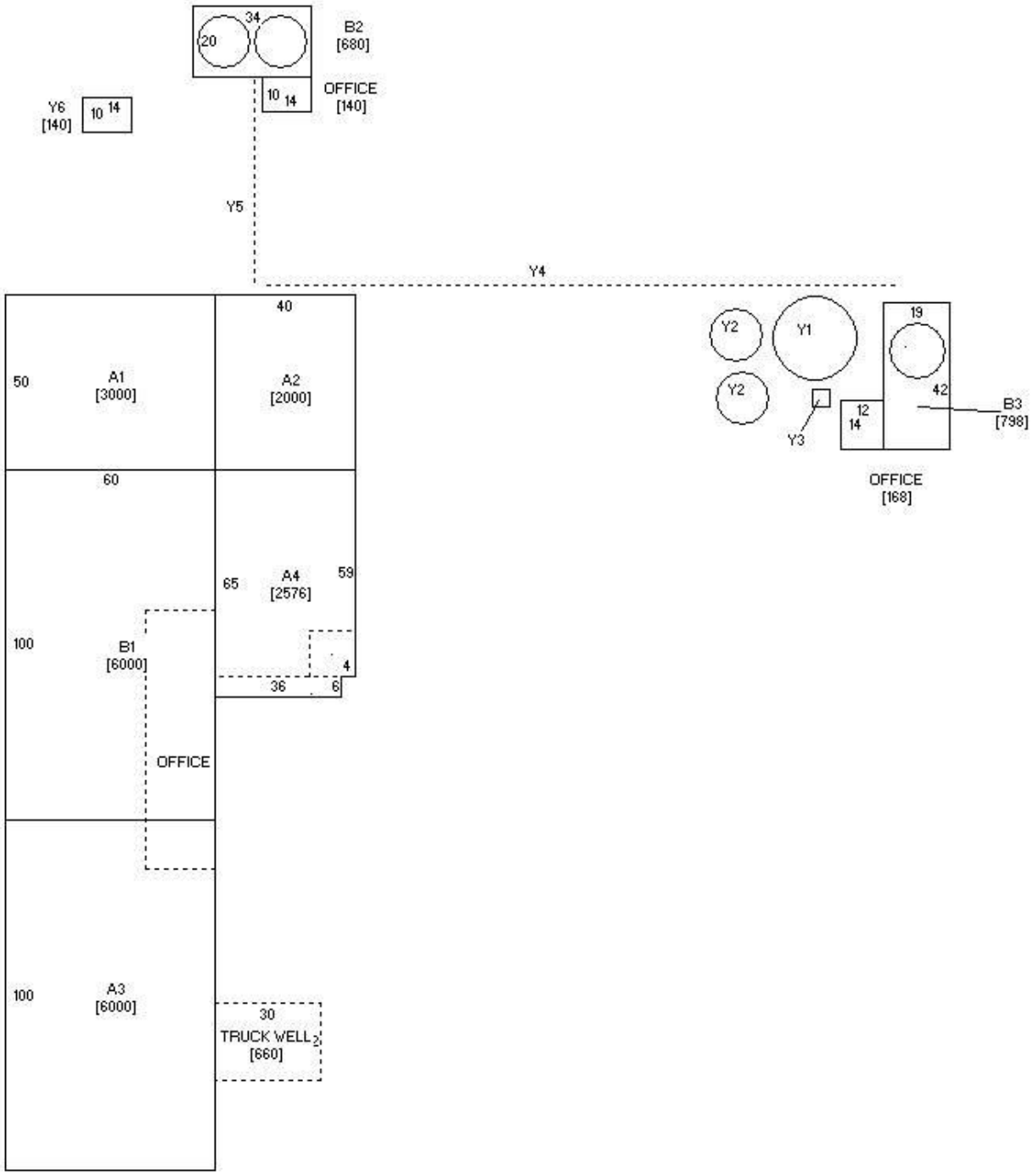
Photo 4 of 8 03/13/2013

Photo 5 of 8 03/13/2013

Photo 6 of 8 03/13/2013

Photo 7 of 8 03/13/2013

Photo 8 of 8 03/13/2013


34
20
B2
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10 14
OFFICE
[140]
Y6
[140]
10 14
Y5
Y4
40
50
A1
[3000]
A2
[2000]
60
65
A4
[2576]
59
100
B1
[6000]
4
36
6
OFFICE
100
A3
[6000]
30
TRUCK WELL 2
[660]
Y2
Y1
19
Y2
42
B3
[798]
Y3
12
14
OFFICE
[168]

Appendix D

Aerial Photographs

Subject Property
616 6th Avenue West
Cresco, IA

N

2015

HIG Project # 2023397
Client Project # 0658-0025
Approximate Scale 1:6000 (1"=500')

Subject Property
616 6th Avenue West
Cresco, IA

N

2011

HIG Project # 2023397
Client Project # 0658-0025
Approximate Scale 1:6000 (1"=500')

Subject Property
616 6th Avenue West
Cresco, IA

N

2009

HIG Project # 2023397
Client Project # 0658-0025
Approximate Scale 1:6000 (1"=500')

Subject Property
616 6th Avenue West
Cresco, IA

N

2002

HIG Project # 2023397
Client Project # 0658-0025
Approximate Scale 1:6000 (1"=500')

Subject Property
616 6th Avenue West
Cresco, IA

N

1994

HIG Project # 2023397
Client Project # 0658-0025
Approximate Scale 1:6000 (1"=500')

Subject Property
616 6th Avenue West
Cresco, IA

N

1990

HIG Project # 2023397
Client Project # 0658-0025
Approximate Scale 1:9600 (1"=800')

Subject Property
616 6th Avenue West
Cresco, IA

N

1983

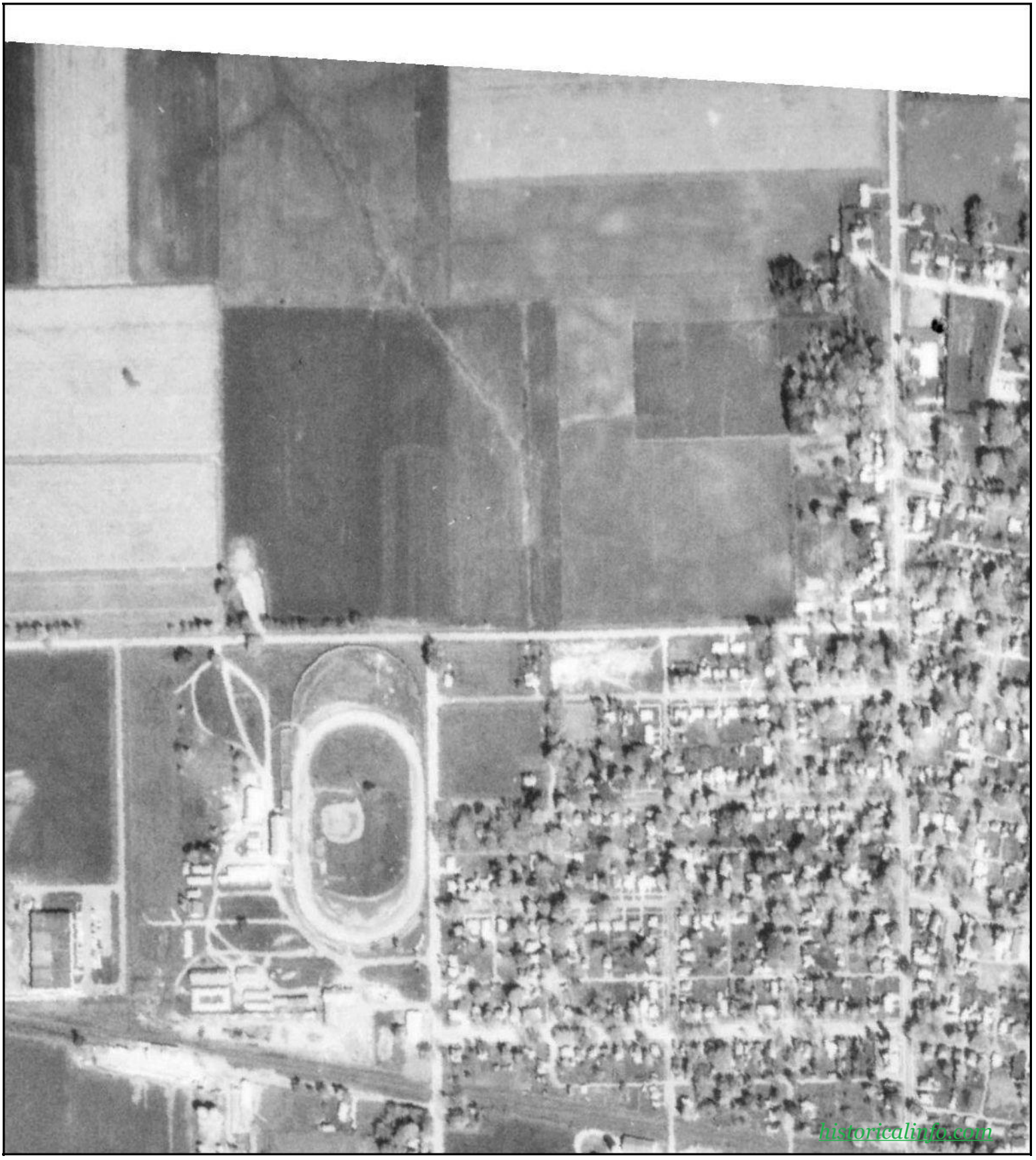
HIG Project # 2023397
Client Project # 0658-0025
Approximate Scale 1:6000 (1"=500')

Subject Property
616 6th Avenue West
Cresco, IA

N

1979

HIG Project # 2023397
Client Project # 0658-0025
Approximate Scale 1:6000 (1"=500')



Subject Property
616 6th Avenue West
Cresco, IA

N

1971

HIG Project # 2023397
Client Project # 0658-0025
Approximate Scale 1:6000 (1"=500')

Subject Property 616 6th Avenue West Cresco, IA	N	**1964** HIG Project # 2023397 Client Project # 0658-0025 Approximate Scale 1:6000 (1"=500')	HIG

Subject Property
616 6th Avenue West
Cresco, IA

N

1957

HIG Project # 2023397
Client Project # 0658-0025
Approximate Scale 1:6000 (1"=500')

Subject Property
616 6th Avenue West
Cresco, IA

N

1950

HIG Project # 2023397
Client Project # 0658-0025
Approximate Scale 1:6000 (1"=500')

Subject Property
616 6th Avenue West
Cresco, IA

N

1941

HIG Project # 2023397
Client Project # 0658-0025
Approximate Scale 1:6000 (1"=500')

Subject Property
616 6th Avenue West
Cresco, IA

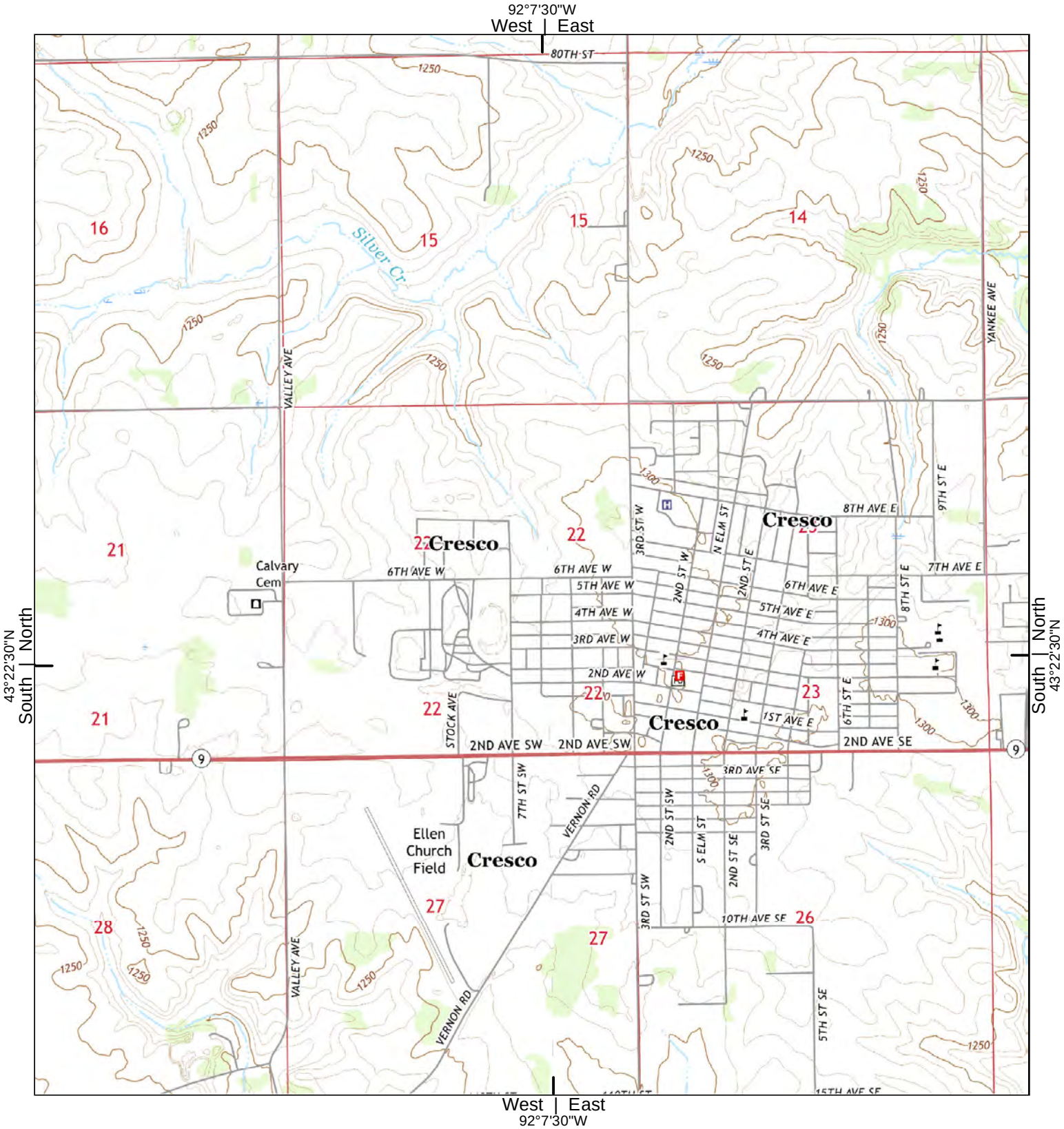
N

1937

HIG Project # 2023397
Client Project # 0658-0025
Approximate Scale 1:6000 (1"=500')

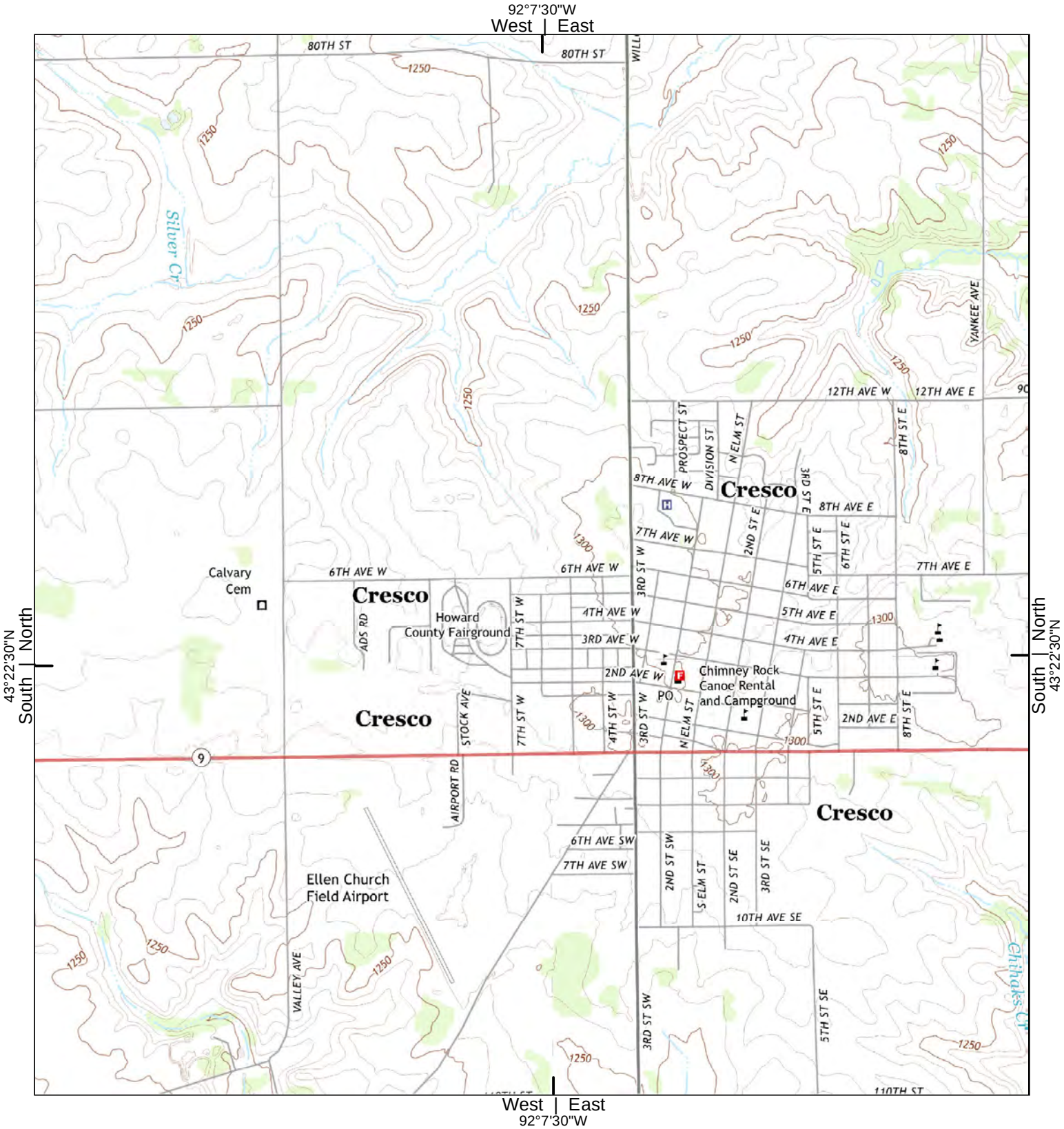
Appendix E

Historical Maps



2015	0 Distance in Miles 1 1: 24,000 (1"=2,000') NAD 1983 UTM Zone 15N	Site information: Subject Property 616 6th Avenue West Cresco, IA 52136
Unified maps show subdued modern topo features where corresponding maps of the same year were not published.	Wenck project #0658-0025 HIG #2023397 completed: 01/15/2019	

Zone	Topographic Map Name	Publisher	Map Size	Base Map	Aerial Photo Topo Updates Photo Year	Inspected	Revised
NE	Cresco NE, IA	USGS	7½' x 7½'	2015	--	--	--
NW	Cresco NW, IA	USGS	7½' x 7½'	2015	--	--	--
SE	Cresco SE, IA	USGS	7½' x 7½'	2015	--	--	--
SW	Cresco SW, IA	USGS	7½' x 7½'	2015	--	--	--



2013

0 Distance in Miles 1

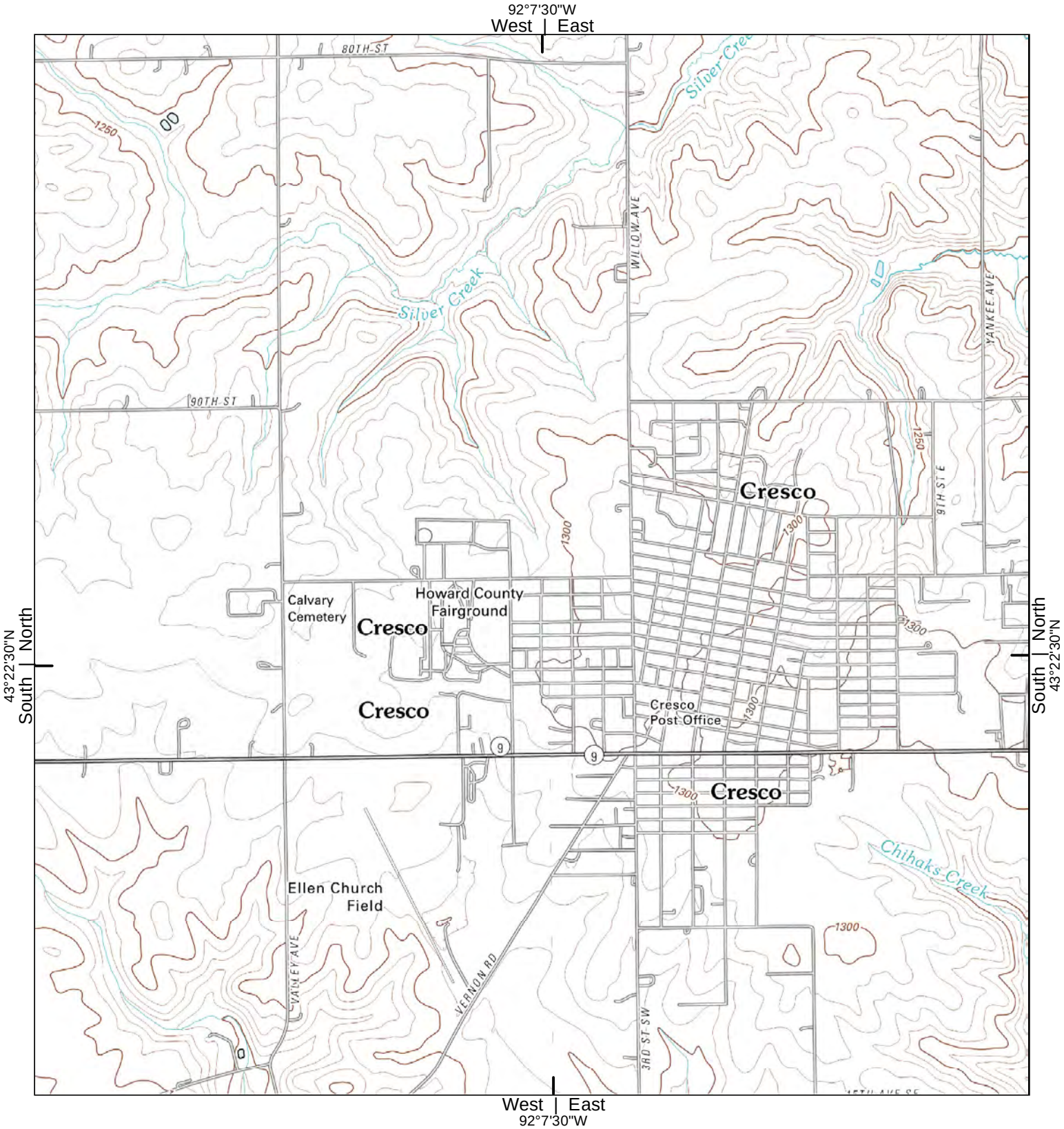
1: 24,000 (1"=2,000') NAD 1983 UTM Zone 15N

Site information:
Subject Property
616 6th Avenue West
Cresco, IA 52136

Unified maps show subdued modern topo features where corresponding maps of the same year were not published.

Wenck project #0658-0025
HIG #2023397 completed: 01/15/2019

Zone	Topographic Map Name	Publisher	Map Size	Base Map	Aerial Photo Topo Updates Photo Year	Inspected	Revised
NE	Cresco NE, IA	USGS	7½' x 7½'	2013	--	--	--
NW	Cresco NW, IA	USGS	7½' x 7½'	2013	--	--	--
SE	Cresco SE, IA	USGS	7½' x 7½'	2013	--	--	--
SW	Cresco SW, IA	USGS	7½' x 7½'	2013	--	--	--



2010

0 Distance in Miles 1

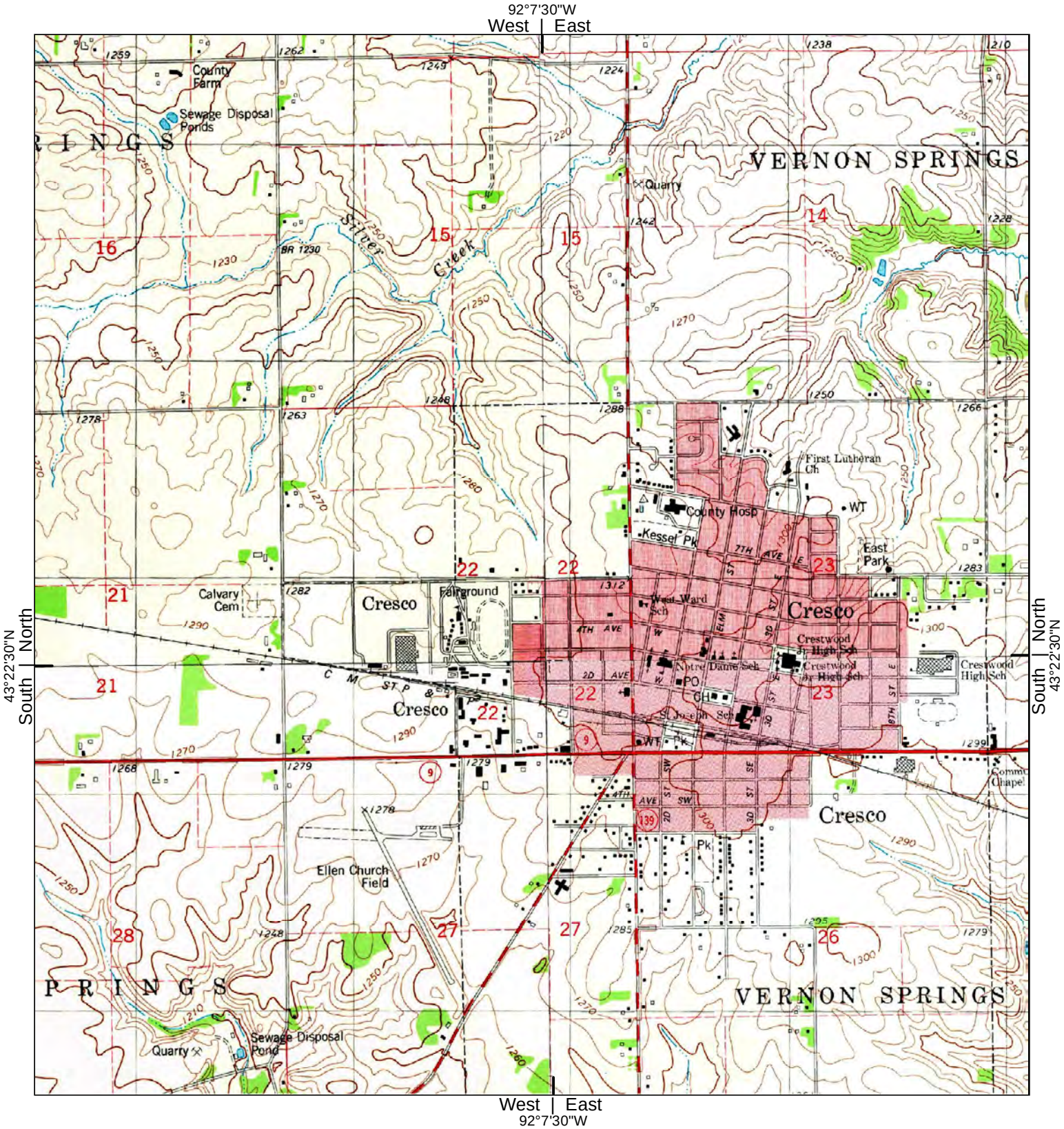
1: 24,000 (1"=2,000') NAD 1983 UTM Zone 15N

Site information:
Subject Property
616 6th Avenue West
Cresco, IA 52136

Unified maps show subdued modern topo features where corresponding maps of the same year were not published.

Wenck project #0658-0025
HIG #2023397 completed: 01/15/2019

Zone	Topographic Map Name	Publisher	Map Size	Base Map	Aerial Photo Topo Updates: Photo Year	Inspected	Revised
NE	Cresco NE, IA	USGS	7½' x 7½'	2010	--	--	--
NW	Cresco NW, IA	USGS	7½' x 7½'	2010	--	--	--
SE	Cresco SE, IA	USGS	7½' x 7½'	2010	--	--	--
SW	Cresco SW, IA	USGS	7½' x 7½'	2010	--	--	--



1981	0 Distance in Miles 1 1: 24,000 (1"=2,000') NAD 1983 UTM Zone 15N	Site information: Subject Property 616 6th Avenue West Cresco, IA 52136
Unified maps show subdued modern topo features where corresponding maps of the same year were not published.	Wenck project #0658-0025 HIG #2023397 completed: 01/15/2019	

Zone	Topographic Map Name	Publisher	Map Size	Base Map	Aerial Photo Topo Updates Photo Year	Inspected	Revised
NE	Cresco NE, IA	USGS	7½' x 7½'	1981	1975	--	--
NW	Cresco NW, IA	USGS	7½' x 7½'	1981	1975	--	--
SE	Cresco SE, IA	USGS	7½' x 7½'	1981	1975	--	--
SW	Cresco SW, IA	USGS	7½' x 7½'	1981	1975	--	--

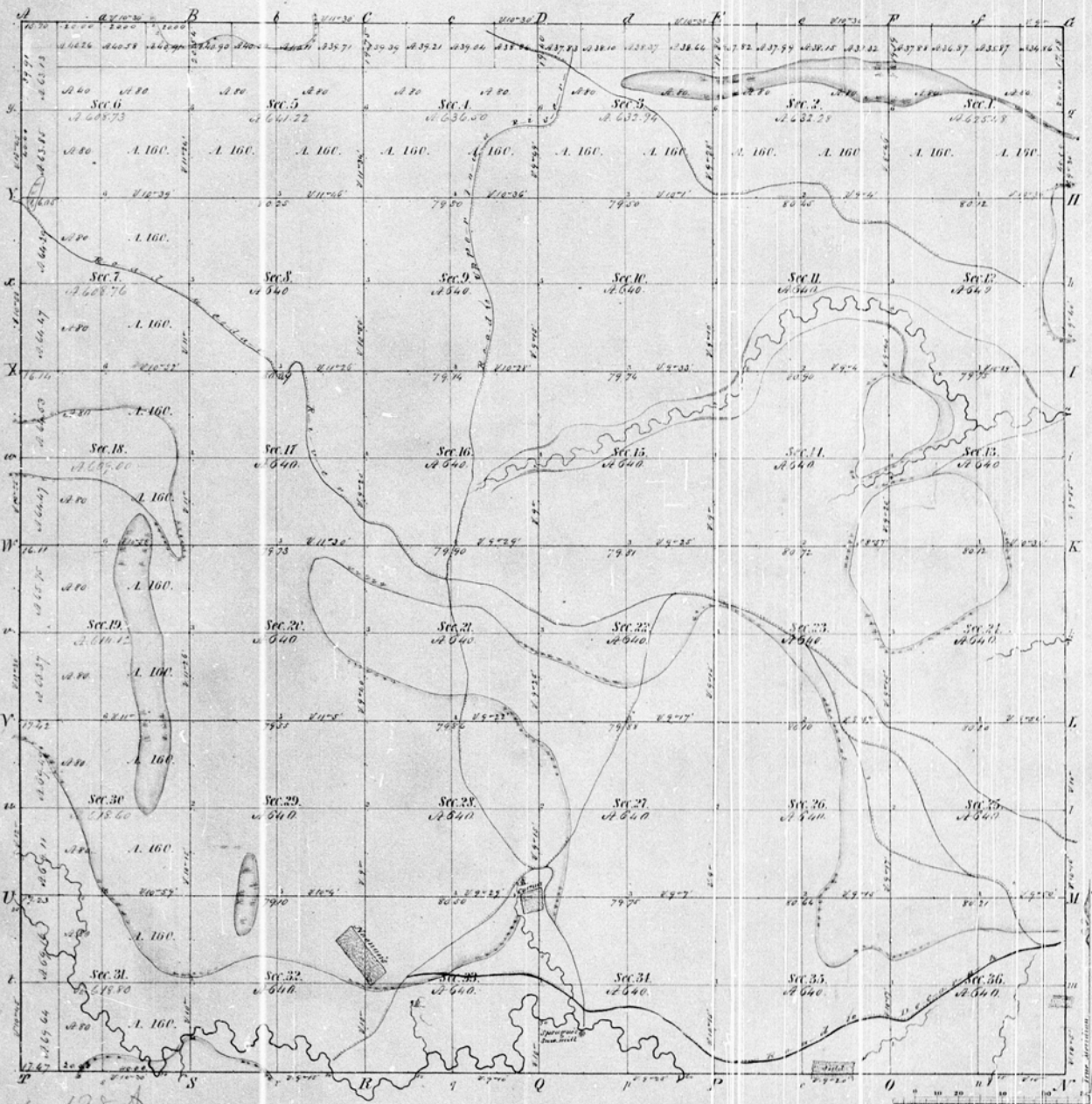
1854

Rec'd with Lur Gen'l's Letter of Feb'y 15th 1854

Entered in Tract Book

IOWA

Township N.o 99 N., Range N.o 11 West 5th P.M.



Meanders of

Posts	Courses	Ch's Lk's	Posts	Courses	Ch's Lk's	Posts	Courses	Ch's Lk's

Subdivisions laid down from Gen'l Land Office Report of 1852 dated Feby 24th 1853

Total number of Acres. 23246.43

Surveys Designated	By Whom Surveyed	Date of Contract	Amount of Surveys	When Surveyed	When paid for and ch'd to the Surv. Gen'l's acct
Township lines	Edward Everett	June 6th 1853	M. 23 Ch's 70 Lks. 26	July 1853	
Subdivisions	H.R. Linn Jr.	Sept 7th 1853	59. 61. 20	Nov 1853	✓

The above Map of Township N.o 99 North of Range N.o 11 West of the 5th Principal Meridian State of Iowa is strictly conformable to the field notes of the survey thereof on file in this Office, which have been examined and approved.

Surveyor General's Office
Dubuque, February 15th 1854

Warner Lewis
Sur. Gen'l

1953

ALBION TOWNSHIP
TOWNSHIP 100 NORTH–RANGE 11 WEST
TRUNK HIGHWAYS
STATE & COUNTY AID ROADS
TOWNSHIP ROADS
FARM DWELLING LOCATIONS
MARIENVILLE
VERNON SPRINGS TOWNSHIP
TOWNSHIP 99 NORTH–RANGE 11 WEST
TRUNK HIGHWAYS
STATE & COUNTY AID ROADS
TOWNSHIP ROADS
FARM DWELLING LOCATIONS
BONAIR
CRESCO

Appendix F

Fire Insurance Maps

43143

3 Sheets. 7494

1

Note.

Water Wks. Source Of Supply:- 198' Deep Well. 40' Dia. & Balance Rubid. Stand Pipe 12½' Diam. & 100' High. 1 Smedley Upright Pump Of 2 Bbls. Cap'y Per Min. Pumps Water Into Stand Pipe. Domestic Pressure Hand Business Part Of Town Is 48 Lbs. 1 Smedley Duplex Steam F. P. For Fire Purposes Only. Furnishes A Pressure Of 125 Lbs. This Pump Draws Water From St. P. Only, Is Not Connected With Tub Well. 4 Miles Water Mains. 4" & 6" & 10" Fire Plugs.

Fire Dept:- Volunteer. 1 H & L. Co. & 2 Hose Cos. In All. 50 Members. Fire Apps:- 1 H & L. Truck. & 2 Hose Reels. With 500' 2½' Hose To Cart.

SANBORN - PERRIS MAP CO., LIMITED
117 & 119 Broadway
NEW YORK

Population 2500
No Steam & No Hand Engines
2 Independent Hose Carts
Water Facilities Good

Prevailing Winds W. & S. W.

CRESCO,
Howard Co. IA.
Aug. 1894.

SCALE. 50 FT. TO AN INCH.

COPYRIGHT 1894. BY THE SANBORN - PERRIS MAP CO. LIMITED

SEP 26 1894

INDEX.

SPECIALS.

	sheet
B	
Baptist Church,	2
Burges, H. C., Lumber Yard,	3
C	
City Grain Elevator,	3
" Water Works,	3
Congregational Church,	2
County Court House,	2
Cresco Novelty Works,	3
E	
Episcopal Church,	2
H	
Hollister Lumber Co.,	3
Hunting, B., Elevator,	3
" Elevator Co.'s Grain W. H.,	3
J	
Johnson's Creamery,	1
M	
McCoy, J. M., Roller Mills,	1
Methodist Episcopal Church,	2
M. & St. P. R. R. Depot,	3
O	
Opera House,	2
Owen, B., Creamery,	1
P	
Park Hotel,	1
Public School,	1
R	
Rieley, H. O., Hotel,	3
S	
Strother Hotel,	2
Swenson's Repair Shop,	1
V	
Vanslyke Hotel,	3
W	
Wentworth & Miller, Novelty Works,	3
Wheeler, N. B., Brick & Tile Factory,	1

COPYRIGHT ENTRY SEP 26 1894 CLASS XXc No. 43143

Sept. 11. 1894

RIN 15 1907

Map Division 1 JUL 1952 Library of Congress

Map Type: Fire Insurance Publisher: Sanborn-Perris Map Co. Publication Name: Cresco, IA Base Map Date: August 1894 Revised Date: Republished Date: Sheet Number: 1	**1894**	Requested by: Wenck Associates, Inc. Subject Property 616 6th Avenue West Cresco, IA 52136 Client Project # 0658-0025 HIG Project # 2023397 www.historicalinfo.com	HIG

Appendix G

Previous Environmental Reports

Property Solutions INC.
Environmental & Engineering Consulting
323 New Albany Road • Moorestown, New Jersey 08057 • 856-813-3000 • Fax 856-813-1068

PHASE I ENVIRONMENTAL ASSESSMENT

of

SunOpta – Cresco
616 6th Avenue West
Cresco, Howard County, Iowa 52136
BOA Project Number – 18-004152-ENV02-001

Prepared for:

Bank of America, NA
100 N Tryon Street
Mail Code: NC1-007-14-33
Charlotte, North Carolina 28255-0001

Prepared by:

Property Solutions Inc.
323 New Albany Road
Moorestown, New Jersey 08057

August 13, 2018

Property Solutions Project No. 20181069

Property Solutions INC.
Environmental & Engineering Consulting
323 New Albany Road • Moorestown, New Jersey 08057 • 856-813-3000 • Fax 856-813-1068

PHASE I ENVIRONMENTAL ASSESSMENT

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SunOpta – Cresco
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Prepared for:

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100 N Tryon Street
Mail Code: NC1-007-14-33
Charlotte, North Carolina 28255-0001

Prepared by:

Property Solutions Inc.
323 New Albany Road
Moorestown, New Jersey 08057

Dated: August 9, 2018

Property Solutions Project No. 20181069

Glen Lee
Environmental Consultant

Stacy Durden
Senior Geologist

We declare that, to the best of our professional knowledge and belief, we meet the definition of *Environmental Professional* as defined in §312.10 of 40 CFR 312 and we have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Glen D. Lee

Glen Lee
Environmental Consultant

S Durden

Stacy Durden
Senior Geologist

20181069

TABLE OF CONTENTS

SECTION **PAGE**

PROJECT SUMMARY

EXECUTIVE SUMMARY

1.0 INTRODUCTION 1

1.1 PURPOSE 1
1.2 SCOPE OF WORK 1
1.3 SIGNIFICANT ASSUMPTIONS 1
1.4 SPECIAL TERMS AND CONDITIONS 1
1.5 RELIANCE 2
1.6 DATA GAPS 2

2.0 GENERAL PROPERTY CHARACTERISTICS 2

2.1 PROPERTY LOCATION 2
2.2 ADJACENT PROPERTIES 3
2.3 PROPERTY DESCRIPTION 3
2.4 PROPERTY OPERATIONS 4
2.5 UTILITIES 5

3.0 ENVIRONMENTAL SETTING 5

3.1 REGIONAL PHYSIOGRAPHIC CONDITIONS 5
3.2 SOIL CONDITIONS 5
3.3 GEOLOGIC CONDITIONS 6
3.4 GROUNDWATER CONDITIONS 6

4.0 RESULTS OF INVESTIGATION 6

4.1 PROPERTY VISIT OBSERVATIONS 6
4.1.1 ASTM SCOPE CONSIDERATIONS 7
4.1.1.1 UNDERGROUND STORAGE TANKS 7
4.1.1.2 OIL AND GAS WELLS AND PIPELINES 7
4.1.1.3 ABOVEGROUND STORAGE TANKS 7
4.1.1.4 POLYCHLORINATED BIPHENYL-CONTAINING ELECTRICAL EQUIPMENT 8
4.1.1.5 HYDRAULIC EQUIPMENT 9
4.1.1.6 CHEMICAL, HAZARDOUS MATERIALS, AND RAW MATERIALS STORAGE AND USAGE 9
4.1.1.7 WASTE GENERATION, STORAGE, AND DISPOSAL 10
4.1.1.8 WELLS, SUMPS, PITS, AND FLOOR DRAINS 10
4.1.1.9 STORMWATER RUNOFF AND SURFACE WATER 11
4.1.1.10 LAGOONS, PONDS, SEPTIC SYSTEMS, AND SEPARATORS 11
4.1.1.11 STRESSED VEGETATION, STAINING, AND ODORS 11
4.1.1.12 SURFICIAL DISTURBANCE 12
4.1.1.13 ON-PROPERTY DRY CLEANERS 12

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4.1.2 ASTM Non-Scope Considerations 12
4.1.2.1 Radon 12
4.1.2.2 Lead-Based Paint 12
4.1.2.3 Lead in Drinking Water 12
4.1.2.4 Potential Wetlands 13
4.2 Adjacent Property and Vicinity Observation 13
4.3 Results of Regulatory Agency List Review and File Research 13
4.3.1 USEPA Envirofacts 13
4.3.2 Environmental Database Information 14
4.3.3 Local Lists 16
4.3.4 Database Proprietary Lists 17
4.4 Results of Property History and Land Use Review 17
4.4.1 User Provided Information and Responsibilities 17
4.4.2 Historical Property Information 21
4.4.3 Interviews 27
4.4.4 Property Specific Records 28
4.5 Synopsis of Previous Environmental Investigations and Plans 32
4.6 Asbestos-Containing Material 32
4.7 Mold/Water Intrusion 33
5.0 CONCLUSIONS 34
6.0 RECOMMENDATIONS AND OPINIONS OF PROBABLE COST 34
7.0 LIMITATIONS 34
8.0 REFERENCES 34
8.1 Information Sources 34
8.2 Definitions 35
8.3 Acronyms 44
8.4 Purpose 46
8.5 Significant Assumptions 46
8.6 Special Terms and Conditions 47

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ATTACHMENT I PROFESSIONAL QUALIFICATIONS

APPENDICES

APPENDIX A FIGURES
- USGS TOPO MAP
- TAX MAP
- WETLAND MAP

APPENDIX B PROPERTY DIAGRAM
APPENDIX C PHOTOGRAPHS
APPENDIX D USER CORRESPONDENCE
APPENDIX E AERIAL PHOTOGRAPHS
APPENDIX F HISTORIC MAPS
APPENDIX G PREVIOUS REPORTS AND PLANS
APPENDIX H CHAIN OF TITLE/ENVIRONMENTAL LIENS
APPENDIX I CORRESPONDENCE
APPENDIX J ENVIRONMENTAL DATABASE
APPENDIX K AHERRA CERTIFICATION

Property Solutions INC. 323 New Albany Road • Moorestown, New Jersey 08057 • 856-813-3000 • Fax 856-813-1068

PROJECT SUMMARY

Client Name/User:	Bank of America, NA	Property Visit Date:	July 26, 2018
Client Contact:	Ms. Lillias Short	Construction Dates:	1993 (distribution warehouse), 2002 (detached electrical building) and 2012 (detached electrical building)
Property Solutions Project No.:	20181069	No. Bldgs./Units:	Three Bldgs./One Unit
Property Solutions Project Manager:	Stacy Durden	No. of Stories:	One story with second and third floor mezzanines
Phone No.:	(770) 434-1997	Bldg. Square Footage:	21,054 s.f.
Email:	sdurden@propertysolutionsinc.com	Property Acreage:	3.31 acres
Property Name:	SunOpta - Cresco, Iowa	Basement/Slab-on-grade:	Slab-on-grade
Property Address:	616 6th Avenue West	Property Use:	Dry-mill processing of food grade corn and distribution warehousing.
Property Town, County, State:	Cresco, Howard County, IA	Property History:	Agricultural land
Property Identification:	321592200090	Other Improvements:	Eight silos, three hopper bins, two pneumatic conveying systems, one bucket conveyor, one leg tower, and one shed

Our review of general property information, observation of adjacent properties, research of historical property information, including a review of environmental records, and a property visit revealed the following:

	No Issue Identified	REC	CREC	HREC	De Minimis Conditions	ASTM Non-Scope Considerations	Refer to Section
Property Operations	X						2.4
Neighboring Properties	X						2.2
Historical Review	X						4.4.2
Previous Reports	X						4.5
Regulatory Review	X						4.3
USTs	X						4.1.1.1
ASTs	X						4.1.1.3
PCBs	X						4.1.1.4
Chemicals/Hazardous Materials/Raw Materials	X						4.1.1.6
Waste Generation/Disposal	X						4.1.1.7

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	No Issue Identified	REC	CREC	HREC	De Minimis Conditions	ASTM Non-Scope Considerations	Refer to Section
Stressed Vegetation, Staining, and Odors	X						4.1.1.11
Surficial Disturbances	X						4.1.1.12
ACMs	X						4.6
Radon	X						4.1.2.1
Lead-Based Paint	X						4.1.2.2
Lead in Drinking Water	X						4.1.2.3

Notes: To understand the property and report, you must read the complete report.

We have performed a Phase I Environmental Assessment in conformance with the scope and limitations of ASTM Practice E 1527-13 of SunOpta - Cresco, Iowa located at 616 6th Avenue West in Cresco, Howard County, Iowa 52136. Any exceptions to, or deletions from, this practice are described in Section 1.0 of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the subject property.

Property Solutions INC. 323 New Albany Road • Moorestown, New Jersey 08057 • 856-813-3000 • Fax 856-813-1068

EXECUTIVE SUMMARY

Property Solutions Inc. (Property Solutions) conducted a Phase I Environmental Assessment of the SunOpta - Cresco located at 616 6th Avenue West in Cresco, Howard County, Iowa 52136 (subject property) at the request of Bank of America, NA.

The subject property consists of a near-square-shaped, 3.31-acre parcel of land located on the north side of 6th Avenue West, east of the intersection of 6th Avenue West and 7th Street West. The subject property is improved with three, one-story, steel warehouse buildings constructed in 1993 (industrial / warehouse building), 2002 (detached electrical building) and 2012 (detached electrical building). The industrial / warehouse building has second and third floor mezzanines. The subject property is also improved with eight silos, three hopper bins, two pneumatic conveying systems, one bucket conveyor, one leg tower, and one shed, all of which are located at the northeast portion of the property. The remaining portions of the subject property are covered with the associated paved parking areas, lawn areas, and landscaping. No water bodies are located on the subject property. No water bodies are located on the adjoining properties. Vehicular access to the subject property is gained via 6th Avenue West along the southern side of the subject property.

The subject buildings consist of steel construction with a slab-on-grade ground floor. The gross area of the subject buildings is approximately 21,054 square feet. The industrial / warehouse building contains one space which is entirely occupied by SunOpta. The interior wall finishes include steel panels and painted plaster. Interior floor finishes include bare concrete slab, 12"x12" ceramic tile, carpet, and 12"x12" vinyl tile. The ceiling finishes include exposed steel structure and textured ceiling. The subject industrial / warehouse building also contains a lobby area, office space, warehouse space, milling room, extruder room, kitchen, mechanical rooms and maintenance rooms. No renovations were reported. The subject industrial / warehouse buildings are heated and cooled by electricity and natural gas.

The subject property was historically used as agricultural land.

We have performed a Phase I Environmental Assessment in conformance with the scope and limitations of ASTM Practice E 1527-13 of SunOpta - Cresco located at 616 6th Avenue West in Cresco, Howard County, Iowa 52136. Any exceptions to, or deletions from, this practice are described in Section 1.0 of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the subject property.

Property Solutions INC. 323 New Albany Road • Moorestown, New Jersey 08057 • 856-813-3000 • Fax 856-813-1068

1.0 INTRODUCTION

Property Solutions Inc. (Property Solutions) conducted a Phase I Environmental Assessment of SunOpta - Cresco located at 616 6th Avenue West in Cresco, Howard County, Iowa 52136 (subject property) at the request of Bank of America. Bank of America is considered the User, as defined in ASTM E 1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. The subject property is identified as PIN 321592200090, according to the Howard County Tax Assessor.

A property location map is included in Appendix A.

This Phase I Environmental Assessment was conducted in general accordance with Bank of America, NA's General Services Agreement Number CW481009 dated November 12, 2013. The work was authorized by the Standard Engagement Letter (SEL) dated July 17, 2018 for BOA Project Number – 18-004152-ENV02-001.

Per the ASTM practice and throughout this report, the Client will be considered the same as the User in the ASTM E 1527-13 practice.

1.1 Purpose

The purpose of a Phase I Environmental Assessment is to evaluate issues that may have an impact on the subject property and to meet the purpose of Bank of America, NA's General Services Agreement Number CW481009 dated November 12, 2013 and the ASTM E 1527-13 practice. The purpose is further described in Section 8.4. This report is for the purpose of determining whether to make a loan evidenced by a note secured by the property.

1.2 Scope of Work

This Phase I Environmental Assessment was conducted in accordance with Bank of America, NA's General Services Agreement Number CW481009 dated November 12, 2013.

1.3 Significant Assumptions

The significant assumptions made by Property Solutions in this report are per Bank of America, NA's General Services Agreement Number CW481009 dated November 12, 2013, ASTM E 1527-13 practice, and as described further in Section 8.5.

1.4 Special Terms and Conditions

This Phase I Environmental Assessment was prepared in accordance with the stated and agreed upon Scope of Work. This Phase I Environmental Assessment was prepared in accordance with Bank of America, NA's General Services Agreement Number CW481009 dated November 12, 2013. Special terms and conditions are described in Section 8.6.

1.5 Reliance

Bank of America, N.A., its employees, agents, successors and assigns may rely upon this report in evaluating a request for an extension of credit to be secured by the subject property. This report may also be used and relied upon by (a) any additional lender extending credit to be secured by the subject property (the credit to be extended by Bank of America, N.A. and such additional lender is referred to as the (Mortgage Loan") and (b) any actual or prospective purchaser, transferee, assignee, or servicer of the Mortgage Loan (or any portion thereof), any actual or prospective investor (including agent or advisor) in any securities evidencing a beneficial interest in or backed by the Mortgage Loan (or any portion thereof), any rating agency actually or prospectively rating any such securities, any indenture trustee, and any institutional provider(s) from time to time of any liquidity facility or credit support for such financing. In addition, this report or a reference to this report may be included or quoted in any offering circular, private placement memorandum, registration statement or prospectus and Property Solutions agrees to cooperate in answering questions by any of the above parties in connection with a securitization or transaction involving the Mortgage Loan (or any portion thereof) and/or such securities. This report has no other purpose and should not be relied upon by any other person or entity.

1.6 Data Gaps

The following data gaps were identified during this Phase I Environmental Assessment:

- User provided information and responsibilities
- Historical property information
- Interviews, i.e. with property owner
- Environmental record search and governmental records

Specific information concerning data gaps are presented in each applicable section of this report.

None of the above data gaps are considered significant.

2.0 GENERAL PROPERTY CHARACTERISTICS

2.1 Property Location

Property Location	
Property Name	SunOpta - Cresco
Property Address	616 6th Avenue West
Property Town, County, State, Zip	Cresco, Howard County, Iowa 52136
Property Tax Identification	321592200090 (Howard County Tax Assessor)
Property Topographic Quadrangle	Cresco NW, Iowa
Nearest Intersection	6th Avenue West and 7th Street West
Area Description	Rural, residential, industrial, institutional

An excerpt from the USGS 7.5-minute series topographic quadrangle map of Cresco NW, Iowa, locating the subject property, is included in Appendix A.

2.2 Adjacent Properties

Review of neighboring properties from the subject property and from public thoroughfares, and research of available information regarding the neighboring properties, were performed to identify evidence of environmental concerns that could adversely impact the subject property. The subject property is located in a residential and industrial area of Cresco, Iowa.

Direction	Property	Address	Operations
North	Featherlite Trailers	544-614 6th Avenue West	All-aluminum trailer manufacturer
South	Single Family Homes	629, 627, 625 6th Avenue West	Residential
East	Agricultural land	Along 6th Avenue West	Farming
	Alert Manor	511 Alert Manor Drive	Multifamily Homes
West	Featherlite Trailers	544-614 6th Avenue West	All-aluminum trailer manufacturer
	Howard County Fairgrounds	Along 6th Avenue West & 7th Street West	Recreational

Based on a review of neighboring properties from the subject property and from public thoroughfares, the neighboring properties do not appear to be of the type likely to pose a significant threat to the environmental condition of the subject property. The neighboring properties were not listed in the environmental database reviewed or Envirofacts.

A property diagram including neighboring properties is included in Appendix B. Photographs including the neighboring properties are included in Appendix C.

2.3 Property Description

Property Information	
Property Ownership Name	Sun Rich Inc. (Howard County Tax Assessor)
Date of Acquisition	Not provided (Howard County Tax Assessor)
Property Acreage	3.31 acres (Howard County Tax Assessor)
Property Shape	Square
Property Use	Dry-mill processing of food grade corn and distribution warehousing
Number of Buildings	Three
Number of Stories	One story with second and third floor mezzanines
Construction Dates	1993 (distribution warehouse), 2002 (office) and 2012 (office) (Howard County Tax Assessor)
Building Square Footage	21,054 square feet (Howard County Tax Assessor)

Property Information	
Basement/Slab-on-grade	Slab-on-grade
Number of Units	One
Ceiling Finishes	Exposed steel structure and textured ceiling
Floor Finishes	Poured concrete, 12"x12" ceramic tile, carpet and 12"x12" vinyl tile
Wall Finishes	Steel panels and painted plaster
HVAC (Energy Source & Type of System)	Electricity and natural gas
Renovation Date	None reported
Renovation Description	Not applicable
Vehicular Access	Via 6th Avenue West
Other Improvements	Eight silos, three hopper bins, two pneumatic conveying systems, one bucket conveyor, one leg tower, and one shed
Property Coverage	Footprint of the subject buildings, product storage and disposal silos, associated parking areas, lawn areas and silos

A property diagram of the subject property is included in Appendix B.

2.4 Property Operations

SunOpta is a company focused on organic, non-genetically modified, specialty foods that utilizes the subject property for dry-mill processing of food grade corn and distribution warehousing.

The distribution warehouse contains electric extruding and milling equipment. As a part of the dry-mill process, SunOpta de-germinates the incoming corn and breaks the product down into different fractions for customers. All equipment is electric powered with the exception of the boiler in the extruder which is powered by natural gas. The extruder boiler is utilized to heat water for cleaning the corn and in floor heat. According to Ms. Julie Dietzenbach, Plant Manager of SunOpta no tempering system is used. In addition, no chemicals are used during the extruding or milling processes.

Unused corn/feed that is ready for disposal is stored in two silos outside the north end of the subject building; each silo can hold approximately 250,000 pounds. Incoming raw corn is stored in four silos, outside the northeasterly side of the subject property; the silos can hold a range of 1 million pounds to 150,000 pounds each. In addition, outgoing finished products are stored in two silos, outside the northeasterly side of the subject property; each silo can hold approximately 250,000 pounds. All silos are vacuum fed.

No environmental concerns were identified at the subject property based on the operations observed during the property visit.

2.5 Utilities

Property Solutions was informed by Ms. Julie Dietzenbach, Plant Manager of SunOpta, that the following companies and municipality or authorities currently provide utility services to the subject property:

Utility	Provider
Electricity	Alliant Energy
Natural Gas	Black Hills Energy
Sanitary Sewerage	City of Cresco
Potable Water	City of Cresco
Solid Waste Removal	City of Cresco/Hawkeye Sanitation
Fuel Oil	Not provided to subject property
Steam	Not provided to subject property

3.0 ENVIRONMENTAL SETTING

3.1 Regional Physiographic Conditions

Topographic Quadrangle Name	Cresco NW, Iowa
Property Elevation	Approximately 1290 feet above mean sea level
Surface Gradient	General northwest
Property Drainage	Percolation through ground surface and surface flow to adjacent streets/properties
Regional Drainage	Towards the Turkey River located approximately 3 miles southwest of the subject property.
Closest Perennial Water body	Turkey River located approximately 3 miles southwest of the subject property.

A copy of the USGS 7.5-minute series topographic quadrangle map of Cresco NW, Iowa, is included in Appendix A.

3.2 Soil Conditions

USDA County Soil Survey	
Information Source	NRCS Web Soil Survey
Date of Information Source	November 24, 2015
Soil Name	Rockton loam
Description: Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures. Well drained; soils have intermediate water holding capacity	
Expected depth to bedrock	20-40 inches

3.3 Geologic Conditions

Information Source	EDR Radius Report
Title of Publication	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
Date of Publication	1994
Name of Unit	Des Moinesian Series
Description of Unit: Stratified Sequence in the Pennsylvanian system of the Paleozoic era	

3.4 Groundwater Conditions

Information Source	Iowa Geological Survey, United States Geological Survey
Title of Publication	Jordan Aquifer of Iowa
Date of Publication	1978
Underlying Aquifer	Jordan Aquifer
Description: The Jordan aquifer consists of two sandstone units separated by a dolomite unit. The total thickness of the aquifer ranges from about 400 to 450 feet in east-central and southeastern Iowa to about 150 feet or less in western Iowa.	

Expected Depth to Shallow Groundwater	Approximately 40 feet
Information Source	USGS 7.5-minute series topographic quadrangle map of Cresco NW, Iowa
Expected Direction of Shallow Groundwater Flow	Northwest
Information Source	USGS 7.5-minute series topographic quadrangle map of Cresco NW, Iowa

4.0 RESULTS OF INVESTIGATION

4.1 Property Visit Observations

Property Visit Date	July 26, 2018
Property Solutions Personnel and Title	Glen Lee, Environmental Consultant
Property Escort Name	Ms. Julie Dietzenbach
Property Escort Title	Plant Manager
Property Escort Company	SunOpta
Property Escort Affiliation	Key Site Manager
Property Escort Years of Association with Subject property: Since 1995	
No presurvey questionnaire (PQ) was completed.	
Inaccessible Areas and Reason: None	
Weather Conditions: Partly Cloudy Approximate Temperature: 70 degrees F	
No weather conditions limiting observations were noted.	

Property Visit Date	July 26, 2018
Describe Limiting Conditions Present: None	

Property Solutions observed the following areas during the property visit:

- Common areas
- The office area of the subject building, including: offices, visitor check-in area, restrooms, kitchen and conference room on the second floor.
- The distribution warehouse area with a product storage area, milling area with access to three story decks, second story mezzanine storage room, maintenance room, extruder room, bagging room and electrical utility room.
- Two detached electrical utility and storage buildings.
- Exterior grounds including the periphery of the subject property and subject buildings
- Adjoining properties from public rights-of-way

Property Solutions did not make observations under floors, above ceilings, or behind walls.

Photographs taken during the property visit are included in Appendix C.

4.1.1 ASTM Scope Considerations

4.1.1.1 Underground Storage Tanks

No evidence of underground storage tanks (USTs) was observed on the subject property during the property visit. Ms. Dietzenbach was not aware of USTs on the subject property.

Based upon the above information, no further action is recommended.

4.1.1.2 Oil and Gas Wells and Pipelines

No evidence of existing or historic high-pressure natural gas or liquid petroleum transmission pipelines or wells was observed on the subject property. Review of available property maps and other research materials did not reveal the presence of existing or historic easements for high pressure natural gas or liquid petroleum transmission pipelines or wells on the subject property.

No further action is recommended.

4.1.1.3 Aboveground Storage Tanks

No aboveground storage tanks (ASTs) were observed on the subject property during the property visit. Ms. Dietzenbach was not aware of ASTs on the subject property. However, unused corn/feed that is ready for disposal is stored in two silos outside the north end of the subject building; each silo can hold approximately 250,000 pounds. Incoming raw corn is stored in four silos, outside the northeasterly side of the subject property; the silos can hold a range of 1 million pounds to 150,000

pounds each. In addition, outgoing finished products are stored in two silos, outside the northeasterly side of the subject property; each silo can hold approximately 250,000 pounds. All silos are vacuum fed.

Based upon the above information, no further action is recommended.

4.1.1.4 Polychlorinated Biphenyl-Containing Electrical Equipment

A visual review was conducted for the presence of electrical equipment that could contain polychlorinated biphenyls (PCBs), an environmentally regulated material used in dielectric fluid in some electrical equipment. Alliant Energy provides electrical service to the subject property.

The following table identifies the transformers observed on the subject property during the property visit:

Transformer No.	Location	Pad/Pole-Mounted	Owner	PCB Labels	Utility Company Markings	Staining/ Leaking
Not Readable	Northwesterly side of main distribution warehouse	Pad	Alliant Energy	No	Yes	No
107609	Southerly side of detached electrical utility building located on the easterly side of the subject property.	Pad	Alliant Energy	No	Yes	No

Since the transformers are owned by Alliant Energy based upon observed markings and labels, and no spills or leaks were observed in the area of the transformers, these transformers are not expected to be an environmental concern at the subject property.

Per 40 CFR 761.20 PCBs at concentrations of 50 ppm or greater, or PCB Items with PCB concentrations of 50 ppm or greater, sold before July 1, 1979, for purposes other than resale may be distributed in commerce only in a totally enclosed manner after that date.

Per 15 USC Chapter 53, Subchapter I, Section 2605(e)(2)(A), except as provided under subparagraph (B), effective one year after January 1, 1977, no person may manufacture, process, or distribute in commerce or use any polychlorinated biphenyl in any manner other than in a totally enclosed manner and (i) no person may manufacture any polychlorinated biphenyl after two years after January 1, 1977, and (ii) no person may process or distribute in commerce any polychlorinated biphenyl after two and one-half years after such date.

Based on the date of construction (1993, 2002 & 2012) of the subject buildings, the transformers are not expected to contain PCBs.

As per previous correspondence, the electric company, Alliant Energy, no longer responds to inquiries and, consequently, was not contacted.

A dry-type transformer was observed in the electrical utility room located in the distribution warehouse. This transformer is not expected to pose a threat to the environmental condition of the subject property, due to the absence of liquid coolant.

Based upon the above information, PCB-containing electrical equipment is not expected to be an environmental concern at this time. No further action is recommended at this time.

No capacitors or large switch gear equipment were observed on the subject property during the property visit.

Based upon the above information, no further action is recommended.

4.1.1.5 Hydraulic Equipment

No evidence of hydraulic equipment was observed on the subject property during the property visit. Ms. Dietzenbach was not aware of hydraulic equipment on the subject property with the exception of two Caterpillar Hawker Powerline forklifts located in the bagging room. According to Ms. Dietzenbach the forklifts are maintained by an outside private servicing company. Ms. Dietzenbach was unable to provide the name of the company during the time of the property visit.

Based on the dates of construction (1993, 2002 & 2012) of the subject buildings, the hydraulic equipment is not expected to contain PCBs.

Based upon the above information, hydraulic equipment is not expected to be an environmental concern at this time. No further action is recommended at this time.

4.1.1.6 Chemical, Hazardous Materials, and Raw Materials Storage and Usage

The following materials were observed to be stored and used on the subject property during the property visit:

Materials Storage

Material	Location	Container Type/Capacity	Quantity	Leaks/Spills	MSDS	Secondary Containment
Aeon PD-FG Synthetic Lubricant	Distribution warehouse maintenance shop	17 oz. plastic bottle	10	No	Yes	Flammables storage cabinet
Miscellaneous synthetic lubricants	Distribution warehouse maintenance shop	Various	Various	No	Yes	Flammables storage cabinet

Material	Location	Container Type/Capacity	Quantity	Leaks/Spills	MSDS	Secondary Containment
Ultra FG Synthetic Rotary Lubricant	Distribution warehouse maintenance shop	5-gallon plastic container	2	No	Yes	Flammables storage cabinet

Containers found on the subject property during the property visit were observed to have no leaks or spills, and appeared to be properly stored. The chemicals observed at the subject property during the property visit are not expected to have adversely impacted the environmental condition of the subject property.

During the property visit, Ms. Dietzenbach provided Property Solutions with the current MSDS sheets for the materials stored on the subject property.

Based upon the above information, the chemicals stored and used on the subject property are not expected to be environmental concerns at this time. No further action is recommended.

4.1.1.7 Waste Generation, Storage, and Disposal

Solid waste generated at the subject property consisted of domestic municipal waste and recyclable materials. In addition, unused corn/feed that is ready for disposal is stored in two silos that can hold approximately 250,000 pounds each outside the north end of the subject building. Solid waste at the subject property is stored in dumpsters located on the subject property. Municipal solid waste generated at the subject property is removed by the City of Cresco and Hawkeye Sanitation. Sanitary waste generated at the subject property is discharged to the City of Cresco sanitary sewerage system.

No evidence of hazardous waste generation, storage, or disposal was observed during the property visit. Ms. Dietzenbach was not aware of hazardous waste generation on the subject property.

Based upon the above information, no further action is recommended.

4.1.1.8 Wells, Sumps, Pits, and Floor Drains

No wells, sumps, or pits were observed on the property during the property visit. Ms. Dietzenbach was not aware of wells, sumps, or pits on the subject property.

Floor drains were located in the extruder room, kitchen area and restrooms. No staining was observed around or near the drains. Chemical storage was not observed in the proximity of the floor drains. According to Ms. Dietzenbach, the floor drains discharge to the sanitary sewer system. No concerns were identified with regard to the floor drains located in the subject building.

Based upon the above information, no further action is recommended.

4.1.1.9 Stormwater Runoff and Surface Water

The subject property is improved with the footprints of the subject buildings and associated paved parking areas. The remainder of the subject property consists of limited landscaped areas and silos. Stormwater runoff is expected to exit the subject property via overland flow and enter the municipal stormwater collection system via storm drains located within the subject property's parking areas and along local roadways. Stormwater is also expected to percolate through the landscaped areas.

The 1972 Amendments to the Federal Water Pollution Control Act (commonly known as the Clean Water Act [CWA]) prohibit the discharge of any pollutant to waters of the United States from a point source unless the discharge is authorized by a National Pollutant Discharge Elimination System (NPDES) permit. In 1987, the CWA was again amended by Congress to require implementation of a comprehensive national program for addressing problematic non-agricultural, non-point sources of stormwater discharge. The rules and regulations of the NPDES program are included in 40 CFR 122.26.

Stormwater permitting for a property is based on the property's Standard Industrial Classification (SIC) Code (category of industrial activity). However, the NPDES program includes a "no exposure" exemption for facilities within an applicable category of industrial activity. Based on 40 CFR 122.26 B(14), the subject property must obtain an NPDES Stormwater Discharge Permit only if material handling equipment or activities, raw materials, intermediate products, final products, waste materials, by-products, or industrial machinery is exposed to stormwater. As materials and activities described above are not associated with the subject property, stormwater permitting is not expected to be applicable at this time.

No surface water bodies (i.e., springs or swamps) were observed on the subject property.

Based upon the above information, stormwater runoff and surface water are not expected to be environmental concerns at this time. No further action is recommended at this time.

4.1.1.10 Lagoons, Ponds, Septic Systems, and Separators

No evidence of lagoons, ponds, septic systems, or separators was observed on the subject property during the property visit.

Based upon the above information, no further action is recommended.

4.1.1.11 Stressed Vegetation, Staining, and Odors

No evidence of stressed vegetation, staining, or odors was noted on the subject property during the property visit.

Based upon the above information, no further action is recommended.

4.1.1.12 Surficial Disturbance

No evidence of surficial disturbances was observed on the subject property during the property visit.

Based upon the above information, no further action is recommended.

4.1.1.13 On-Property Dry Cleaners

No dry cleaning operations were observed at the subject property at the time of the property visit. Ms. Dietzenbach was not aware of dry cleaning operations at the subject property.

No dry cleaners were identified during the historical review of the subject property. Ms. Dietzenbach was unaware of historical dry cleaning operations at the subject property.

4.1.2 ASTM Non-Scope Considerations

4.1.2.1 Radon

The subject property is located in Zone 1 (Highest Potential), per the USEPA's Map of Radon Zones. According to the Federal Area Radon Information for Howard County, seven canisters were placed at locations in Howard County. The mean value was 6.957 picoCuries per Liter (pCi/L) in basements. The USEPA action level is 4.0 pCi/L.

Based on the non-residential use and slab-on-grade construction of the subject building, no further action regarding radon is recommended at this time.

4.1.2.2 Lead-Based Paint

Based on the dates of construction of the subject buildings (1993, 2002, 2012), it is unlikely that lead-based paints (LBPs) were used during building construction. Painted surfaces within the subject building were generally observed to be in good condition.

Based upon the above information, LBP is not expected to be an environmental concern at this time. No further action is recommended.

4.1.2.3 Lead in Drinking Water

Drinking water for the subject property is provided by The City of Cresco Water Department. The City of Cresco Water Department was required to perform system-wide lead screening of their water system starting in 1992, under the USEPA "Lead and Copper Regulations" (Federal Register Volume 56, No. 26460). These regulations, promulgated in June 1991, require public water systems to perform screening and provide for public notification and corrective action to reduce the lead hazards present in the water system.

A review of the 2017 Water Quality Report published by the City of Cresco Water Department informed Property Solutions that the City of Cresco public water supply has met the 90th percentile for the lead action level of 15 parts per billion (ppb), and is currently in compliance with the USEPA's Lead and Copper Regulations.

Based upon analytical results and limited sampling, lead in drinking water was not identified as an environmental concern at this time.

4.1.2.4 Potential Wetlands

No evidence of wetland areas was observed on the subject property during the property visit. Review of the United States Department of the Interior, National Wetland Inventory map of Cresco NW, Iowa, revealed that no delineated wetlands are located on the subject property.

Based upon the above information, wetland areas are not expected to be an environmental concern at this time.

A copy of the wetland map is included in Appendix A.

4.2 Adjacent Property and Vicinity Observation

Review of neighboring properties from the subject property and from public thoroughfares, and research of available information regarding the neighboring properties, were performed to identify evidence of environmental concerns that could adversely impact the subject property. The subject property is located in a residential and industrial area of Cresco, Iowa.

Based on a review of neighboring properties from the subject property and from public thoroughfares, the neighboring properties do not appear to be of the type likely to pose a significant threat to the environmental condition of the subject property. The neighboring properties were not listed in the environmental database reviewed or Envirofacts. The adjacent properties are further discussed in Section 2.2.

4.3 Results of Regulatory Agency List Review and File Research

4.3.1 USEPA Envirofacts

Property Solutions contacted the United States Environmental Protection Agency (USEPA) through an on-line search via the Internet to obtain information concerning the subject property. Property Solutions performed a search of Envirofacts, a USEPA-generated website that integrates data extracted from five major USEPA program systems: Aerometric Information Retrieval System (AIRS)/AIRS Facility Subsystem (AFS), Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS), Permit Compliance System (PCS), Resource Conservation and Recovery Information System (RCRIS) and Toxic Chemical Release Inventory System (TRIS), using two integrating databases: Facility Index System (FINDS) and Envirofacts Master Chemical Integrator (EMCI).

Property Solutions generated a printout of all facilities under the programs identified above that are located within the subject property's zip code (52136). The subject property was not listed among the sites identified during the query search. However, adjoining property, 816 7th Street West was listed among the sites identified during the query search. The query was executed on August 8, 2018. The following tables summarize the listings for the adjoining property.

Hazardous Waste Handler

Listing Type	Facility Name	Address	USEPA ID No.	Handler/Facility Classification
Adjoining Property	Featherlite Inc	816 7th Street West	IA0000229633	Small Generator 336212 (Truck Trailer Manufacturing) & 326199 (All Other Plastics Product Manufacturing)

Air Release Reported

Listing Type	Facility Name	Address	Compliance System Plant ID No.	Compliance Status	Class Code
Adjoining Property	Featherlite Inc	816 7th Street West	45-01-009	3 (In Compliance)	SM

A copy of the search results is included in Appendix I.

4.3.2 Environmental Database Information

As part of the Phase I Environmental Assessment, Property Solutions utilized Environmental Data Resources, Inc. (EDR) of Shelton, Connecticut, as an information source for regulatory agency environmental database records. The environmental database was dated July 20, 2018.

Data supplied by EDR is included in Appendix J. This database also includes the required documentation of sources checked as per Section 8.1.8 of the ASTM standard.

The following summary of the database information is divided into two columns. The first column lists sites as identified and located by EDR within the specified distance of the subject property. The second column lists orphan sites, which could not be located by EDR due to incomplete and/or inaccurate address information included in the United States Environmental Protection Agency (USEPA)/state databases, which Property Solutions identified as potentially lying within the search distance.

Although the exact locations of the orphan sites are frequently unknown, Property Solutions attempts to evaluate the potential adverse environmental impact that these sites may have on the subject property. This evaluation consists of reviewing street names in an effort to learn whether the street on which the site is located lies within the search distance of the subject property, a drive-by view of surrounding properties during the site visit, and evaluating the site type and information

provided by government agencies. The orphan sites included in the following table are those Property Solutions identified as potentially located within the identified search distance. A complete list of sites is included in Appendix J.

Environmental Database Summary

Database	Search Distance	Plottable	Orphan
National Priorities List	1 Mile	0	0
State/Tribal Hazardous Waste Sites	1 Mile	0	0
RCRA Corrective Action Treatment/Storage/ Disposal (TSD) Facilities (CORRACTS)	1 Mile	0	0
Delisted National Priorities List	½ Mile	0	0
Superfund Enterprise Management System (SEMS) Sites (formerly CERCLIS)	½ Mile	0	0
SEMS-ARCHIVE Sites (formerly CERCLIS No Further Remedial Action Planned)	½ Mile	0	0
RCRA Non-Corrective Action TSD Facilities	½ Mile	0	0
State/Tribal Voluntary Cleanup Sites	½ mile	0	0
State/Tribal Brownfield Sites/CERCLIS Equivalent	½ mile	0	0
State/Tribal Leaking Registered Storage Tank Sites	½ Mile	4	0
State/Tribal Solid Waste Landfill Sites/Facilities	½ Mile	1	0
Historic Landfills	½ Mile	0	0
Federal/State/Tribal Engineering Controls Registries	½ Mile	0	0
Federal/State/Tribal Institutional Controls Registries	½ Mile	0	0
Allsites	½ Mile	1	0
RCRA Large Quantity Generators	Subject property and Adjoining Properties	0	0
RCRA Small Quantity Generators	Subject property and Adjoining Properties	0	0
RCRA Non Generators	Subject property and Adjoining Properties	0	0
State/Tribal Registered Storage Tank Sites	Subject property and Adjoining Properties	0	0
Manifest	Subject property	0	0
Spill/Release Sites	Subject property	0	0
Facility Index System (FINDS)	Subject property	0	0
Emergency Response Notification System	Subject property	0	0

Database Summary

A complete copy of the database report is attached as an appendix to this report. Those sites noted within the search distance with a closed status from regulators, or not listed with known, documented, or suspected release sites will not be discussed below but can be referred to in the database report. The above sites are not expected to significantly impact the subject property based on the regulatory status listed. In addition, those remaining sites which are expected to be hydraulically downgradient, at a sufficient distance from the subject property, or due to the urban setting and density of the area, will not be discussed below but can be referred to in the database report. These above sites are not expected to significantly impact the subject property based on the above factors and as per ASTM E 1527-13.

The following is a discussion of the database findings:

Subject and Adjoining Properties

The subject property and adjoining properties were not listed in the environmental database. The subject property and adjoining properties were not listed in the non-ASTM databases that were searched in the EDR database.

The potential for obvious vapor encroachment from volatile organic compounds and petroleum products on the subject property or from nearby properties listed in the above databases with known or suspected releases was evaluated.

No activity and use limitations at the subject property indicating vapor encroachment was identified during this assessment.

Based on standard sources reviewed in Section 4.0 and observations made during the property visit, no significant release of chemicals of concern has occurred on the subject property. No significant releases of chemicals of concern have occurred on the adjacent properties.

Based on the above information, no further action is recommended at this time regarding potential vapor encroachment at the subject property.

4.3.3 Local Lists

The below local types of records were researched or requested from third parties, the Key Site Manager or local regulatory agencies:

- Local Brownfield Lists
- Local Lists of Landfill/Solid Waste Disposal Sites
- Local Lists of Hazardous Waste/Contaminated Sites
- Local Lists of Registered Storage Tanks
- Local Land Records (For AULs)
- Records of Emergency Release Reports

- Records of Contaminated Public Wells

The above information is discussed in Sections 4.3.1, and 4.4.4 and was duplicative of those sections.

4.3.4 Database Proprietary Lists

The subject property and adjoining properties were not listed in the EDR proprietary information searched in the EDR database.

4.4 Results of Property History and Land Use Review

4.4.1 User Provided Information and Responsibilities

This section is to describe tasks to be performed by the User. The "All Appropriate Inquiries" (AAI) Final Rule (40 CFR Part 312) requires that these tasks be performed by or on behalf of a party seeking to qualify for an LLP to CERCLA liability. While such information is not required to be provided to the environmental professional, the environmental professional shall request that the user provide the results of these tasks as such information can assist the environmental professional in identifying recognized environmental conditions.

Per the ASTM standard, the environmental professional shall note in the report whether or not the User has reported to the environmental professional information pursuant to Section 6 of the ASTM standard.

Bank of America (User) is performing the Phase I Environmental Assessment for determining whether to make a loan evidenced by a note secured by the property and not for pre-purchase due diligence.

Since Bank of America has only recently become involved with the subject property, their knowledge of the subject property and environmental conditions is limited to information provided by the mortgage broker, previous investigations provided by the borrower broker, and by the borrower. Therefore, it is not expected that data gaps created by unanswered questions of the User (Bank of America) are significant. It is expected that Bank of America has facilitated interviews and information exchange with those knowledgeable of the property as best as possible.

There is a specific exemption, the so-called "lender liability" exemption, for a person, who without participating in the management of a facility, holds indicia of ownership primarily to protect his or her security interest in the vessel or facility (42 USC 9601(20)(A)(iii)).

In September 1996, Congress passed the Asset, Conservation, Lender Liability, and Deposit Insurance Act [Title II, Subtitle E, Sections 2502-2505 of the 1996 Omnibus Appropriations bill]. Reportedly, under the act, lenders that do not exercise decision making control over the property during the term of the loan will not risk federal liability.

User Questionnaire

The User has chosen not to complete the questionnaire citing a lack of pertinent knowledge of the environmental condition of the property in their role solely as a secured creditor. As Bank of America has no specific knowledge of the property unless otherwise noted and operations, they requested the consultant pursue this information.

As Bank of America did not complete the User Questionnaire, per the ASTM standard, this is considered a data gap; however, the data gap is not considered significant.

Title and Judicial Records

Per ASTM E 1527-13 Section 6.2, the User is required to provide and/or report to the environmental professional any environmental liens or activity and use limitations (AULs) so identified for the subject property. The environmental professional per the ASTM practice is not responsible to undertake a review of recorded land title records and judicial records for environmental liens or activity and use limitations.

No title records or information was provided to Property Solutions by the User.

The User did not request Property Solutions to coordinate with a title company or title professional to undertake a review of Recorded Land Title records and judicial records for environmental liens or AULs.

Therefore, no title records were searched and no information was provided for environmental liens and AULs which is the responsibility of the User. Per the ASTM standard this is considered a data gap.

Environmental Liens or Activity and Use Limitations

Per ASTM E 1527-13 the User is required to provide and/or report to the environmental professional any environmental liens or AULs so identified for the subject property. The environmental professional per the ASTM practice is not responsible to undertake a review of information to identify environmental liens or AULs.

The User did not provide information on environmental liens and AULs. The User is not aware of environmental liens or AULs.

The User is not the owner, operator, prospective purchaser or tenant of the subject property.

No information concerning environmental liens and AULs was provided by the key site manager of the subject property.

Knowledge of the User

Per the ASTM standard, the Users must take into account their specialized knowledge to identify conditions indicative of releases or threatened releases. If the user has any specialized knowledge or experience that is material to recognized environmental conditions in connection with the property, the user should communicate any information based on such specialized knowledge or experience to the environmental professional. The user should do so before the environmental professional conducts the property visit.

Since Bank of America has only recently become involved with the subject property, their knowledge of the subject property and environmental conditions is limited to information provided by the mortgage broker, previous investigations provided by the borrower or broker, and by the borrower. As Bank of America has no specific knowledge of the property and operations, they requested the consultant pursue this information.

The key site manager had no specialized knowledge, actual knowledge, experience, or commonly known and reasonably ascertainable information within the local community concerning recognized environmental conditions at the subject property.

Valuation Reduction for Environmental Issues

Per the ASTM standard, in a transaction involving the purchase of a parcel of commercial real estate, the user shall consider the relationship of the purchase price of the property to the fair market value of the property if the property was not affected by hazardous substances or petroleum products. The User should try to identify an explanation for a significantly lower price which does not reasonably reflect fair market value if the property was not contaminated, and make a written record of such explanation. The ASTM standard does not require that a real estate appraisal be obtained in order to ascertain fair market value of the property.

This report was prepared for potential pre-lending purposes and not for a purchase.

Reason for Performing the Phase I Environmental Assessment

Bank of America (User) is performing the Phase I Environmental Assessment for determining whether to make a loan evidenced by a note secured by the property and not for pre-purchase due diligence.

Helpful Documents Provided Prior to Property Visit

Per the ASTM standard, prior to the property visit, the property owner, key site manager (if any is identified), and User (if different from the property owner) shall be asked if they know whether any of the documents below exist and if so, whether copies can and will be provided within reasonable time and cost constraints including partial information. This information is to be provided prior to or at the beginning of the property visit.

Documents	User		Key Site Manager		Property Owner	
	Exist	Provided	Exist	Provided	Exist	Provided
ESA reports	No response	NA	No	NA	No response	NA
Environmental compliance audit reports	No response	NA	No	NA	No response	NA
Environmental permits	No response	NA	No	NA	No response	NA
UST/AST registrations	No response	NA	No	NA	No response	NA
Underground Injection permits	No response	NA	No	NA	No response	NA
MSDSs	No response	NA	Yes	Yes	No response	NA
Community Right-to-Know plan	No response	NA	No	NA	No response	NA
Safety plans	No response	NA	No	NA	No response	NA
SPCC plans	No response	NA	No	No	No response	NA
Emergency preparedness and prevention plans	No response	NA	No	No	No response	NA
Hydrogeologic reports	No response	NA	No	NA	No response	NA
Government agency correspondence and violations	No response	NA	No	NA	No response	NA
Hazardous waste generator notices or reports	No response	NA	No	No	No response	NA
Geotechnical studies	No response	NA	No	NA	No response	NA
Risk assessments	No response	NA	No	NA	No response	NA
Recorded AULs	No response	NA	No	NA	No response	NA
Environmental liens	No response	NA	No	NA	No response	NA
Other	No response	NA	No	NA	No response	NA

No response to our request for the above helpful documents was provided by the User or Property Owner. This is considered a data gap.

Proceedings Involving the Property

Per the ASTM standard, prior to the site visit, the User (if different from the property owner), Key site manager (if any is identified), and property owner shall be asked whether they know of (1) any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property; (2) any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on or from the property; and (3) any notices from any governmental entity regarding any possible violation of environmental laws or

possible liability relating to hazardous substances or petroleum products.

The key site manager indicated based on a response dated July 26, 2018 via interview that they have no knowledge of (1) any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property; (2) any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on or from the property; and (3) any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products.

The User, Key site manager, and property owner did not respond to the questions whether they have any knowledge of (1) any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property; (2) any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on or from the property; and (3) any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products.

The lack of response is considered a data gap.

User Identified Personnel

As per ASTM E1527-13, Property Solutions requested information for current and past property personnel. The information and contacts below were identified and/or provided by the User/Client.

	Name	Company
User	Ms. Lillias Short	Bank of America, NA
Key Site Manager	Ms. Julie Dietzenbach	SunOpta
Current Property Owner Representative	Mr. Bill Looser	SunOpta

4.4.2 Historical Property Information

The history of the subject property was researched to evaluate potential historical uses of the subject property of environmental concern.

The below standard historical sources were researched:

Standard Historical Source Summary

Historical Source	Source Checked?	Source	Earliest Date Obtained
Aerial Photos	Yes	EDR/ Terra Server	1937
Fire Insurance Maps	Yes	EDR	No Coverage
Property Tax File	Yes	City of Cresco Tax Assessor	1993
Recorded Land Title Records	No	Not applicable	Not applicable
USGS 7.5 Minute Topo Maps	Yes	USGS	1981

Historical Source	Source Checked?	Source	Earliest Date Obtained
Local Street Directories (city directories)	Yes	Cresco Public Library	No Coverage
Building Department Records	Yes	City of Cresco Building Department	No response to information request
Zoning/Land Use Records	Yes	City of Cresco Building Department	2015
Other Historical Sources	No	Not applicable	Not applicable
Miscellaneous Maps/Plans	No	Not applicable	Not applicable
Newspapers	No	Not applicable	Not applicable
Records	No	Not applicable	Not applicable
Other Directories/ Phone books	No	Not applicable	Not applicable
Prior Use Interviews	Yes	Ms. Julie Dietzenbach	1993
Previous Reports	No	Not applicable	Not applicable
Chain of Title	No	Not applicable	Not applicable
AULs and Environmental Liens	No	Not applicable	Not applicable

Based on the above information and sources searched above, per ASTM E 1527-13 historical use information is deemed sufficient to comply with ASTM E 1527-13 concerning Data Failure.

Historical Property Information

The following is a summary of the historical use of the subject property based on a review of the standard historical source information that is further described below:

Decade	Property Use	Standard Source/Source
1900	No information reasonably ascertainable	Not applicable
1910	No information reasonably ascertainable	Not applicable
1920	No information reasonably ascertainable	Not applicable
1930	Agricultural land	1937 Aerial Photographs/EDR
1940	Unknown	Data Gap
1950	Agricultural land	1952 Aerial Photographs/EDR
1960	Agricultural land	1964 Aerial Photographs/EDR
1970	Agricultural land	1970 Aerial Photographs/EDR, Topo Quadrangle
1980	Agricultural land	1982 Aerial Photographs/EDR
1990	Developed with a rectangular-shaped, flat-roofed building is present along with two cylinder-shaped structures and small square-shaped building located on the northerly end of the subject building	1994 Aerial Photographs/EDR, Interview with Ms. Dietzenbach
2000	Developed with an L-shaped, flat-roofed building, two cylinder structures and small square-shaped building located on the northerly end of the subject building	2005-2009 Aerial Photographs/EDR
2010	No Major Changes	2010, 2011 and 2013 Aerial Photographs/TerraServer

Decade	Property Use	Standard Source/Source
2015	A rectangular, flat-roofed building addition is present on the easterly side of the subject building. Two cylinder-shaped structures and a small square-shaped building are located towards the northerly end of the subject building. In addition, there are multiple cylinder-shaped structures developed towards the easterly side of the subject property along with a small square-shaped building.	2015 Aerial Photographs/TerraServer

City Directories

Property Solutions contacted Mr. Carmen Buss, Director of the Cresco Public Library requesting information on historical city directories for Cresco, Iowa. According to Mr. Buss, no city directories are available for the subject property in the Cresco Public Library collection.

Aerial Photographs

Years	1937, 1952, 1964, 1970
Information Source	EDR
Description of Subject Property: The subject property is depicted as agricultural land.	
Description of Northerly Adjoining Property: The northerly adjoining property is depicted as agricultural land.	
Description of Southerly Adjoining Property: Roadway followed by agricultural land and single-family dwellings across a minor roadway. A recreational field is located towards the southwest.	
Description of Easterly Adjoining Property: The easterly adjoining property is depicted as agricultural land.	
Description of Westerly Adjoining Property: The westerly adjoining property is depicted as agricultural land.	

Year	1982
Information Source	EDR
Description of Subject Property: No Major Changes.	
Description of Northerly Adjoining Property: No Major Changes.	
Description of Southerly Adjoining Property: Roadway followed by single-family dwellings to the south and multi-family dwellings to the southeast across a minor roadway. A recreational field is located towards the southwest.	
Description of Easterly Adjoining Property: No Major Changes.	
Description of Westerly Adjoining Property: The westerly adjoining property is depicted as a square-shaped, flat roofed, commercial/industrial building.	

Year	1994
Information Source	EDR
Description of Subject Property: The subject property is depicted as a rectangular-shaped, flat-roofed building along with two cylinder-shaped structures and small square-shaped building located on the northerly end of the subject building.	

Year	1994
Description of Northerly Adjoining Property: The northerly adjoining property is depicted as agricultural land and one, rectangular-shaped commercial/industrial building towards the northwest with rectangular-shaped detached truck trailers.	
Description of Southerly Adjoining Property: No Major Changes.	
Description of Easterly Adjoining Property: No Major Changes.	
Description of Westerly Adjoining Property: No Major Changes.	

Years	2005, 2006, 2007, 2008, 2009, 2010, 2011, 2013
Information Source	EDR/TerraServer
Description of Subject Property: The subject property is depicted as an L-shaped, flat-roofed building, two cylinder structures and small square-shaped building located on the northerly end of the subject building	
Description of Northerly Adjoining Property: No Major Changes.	
Description of Southerly Adjoining Property: No Major Changes.	
Description of Easterly Adjoining Property: No Major Changes.	
Description of Westerly Adjoining Property: No Major Changes.	

Year	2015
Information Source	TerraServer
Description of Subject Property: The subject property is depicted as a rectangular, flat-roofed building addition is present on the easterly side of the subject building. Two cylinder-shaped structures and a small square-shaped building are located towards the northerly end of the subject building. In addition, there are multiple cylinder-shaped structures developed towards the easterly side of the subject property along with a small square-shaped building.	
Description of Northerly Adjoining Property: No Major Changes.	
Description of Southerly Adjoining Property: No Major Changes.	
Description of Easterly Adjoining Property: No Major Changes.	
Description of Westerly Adjoining Property: No Major Changes.	

Review of the aerial photographs revealed that the subject buildings were constructed after 1982 and prior to 1994. The aerial photographs revealed that the subject property consisted of agricultural land from 1937 through 1982. In the 1994 aerial photograph, a rectangular-shaped, flat-roofed building is present along with two cylinder-shaped structures and small square-shaped building located on the northerly end of the subject building. The 2005 through 2013 aerial photographs depict an L-shaped, flat-roofed building, two cylinder structures and small square-shaped building located on the northerly end of the subject building. In the 2015 aerial photograph, a rectangular, flat-roofed building addition is present on the easterly side of the subject building. Two cylinder-shaped structures and a small square-shaped building are located towards the northerly end of the subject building. In addition, there are multiple cylinder-shaped structures developed towards the easterly side of the subject property along with a small square-shaped building.

No evidence of environmental concern on or adjacent to the subject property was revealed during a review of the aerial photographs.

Copies of the aerial photographs are included in Appendix E.

Fire Insurance Maps

Fire insurance maps that include the subject property were requested from Environmental Data Resources, Inc. (EDR) of Shelton, Connecticut. EDR has informed Property Solutions that no historical map coverage is available for the subject property in the EDR historical map collection.

A copy of EDR's statement of no coverage is included in Appendix F.

Topographic Quadrangle Map

Topographic Quadrangle Map Name	Cresco NW, Iowa
Year published	1981
Aerial photograph year map based on	1975
Year photorevised	No photorevisions
Aerial photograph year photorevision based on	Not applicable
Color of photorevisions	Not applicable
Description of Subject Property: The subject property is located in an un-shaded area with brown shaded topographic contours. No structures are present.	
Description of Northerly Adjoining Property: The northerly adjoining property is located in an un-shaded area with brown shaded topographic contours. No structures are present.	
Description of Southerly Adjoining Property: The southerly adjoining property is located in an un-shaded area with brown shaded topographic contours. No structures are present.	
Description of Easterly Adjoining Property: The easterly adjoining property is located in an un-shaded area with brown shaded topographic contours. No structures are present.	
Description of Westerly Adjoining Property: The westerly adjoining property is located in an un-shaded area with brown shaded topographic contours. No structures are present.	

No environmental concerns were identified based upon a review of the Cresco NW, Iowa topographic quadrangle map.

A portion of the USGS 7.5-minute series topographic quadrangle map of Cresco NW, Iowa, which includes the subject property, is included in Appendix A.

Prior Use Interviews

Property Contact Name	Ms. Julie Dietzenbach
Property Contact Title	Plant Manager
Property Contact Company	SunOpta
Association with Property	Plant Manager
Years Associated with Subject property	1995 – present

Property History: According to Ms. Dietzenbach, the subject property was used as farm land before the development of the subject buildings.

Other Information: No environmental concerns were identified during the interview with Ms. Dietzenbach.

Historical Use Summary

Based on a review of the historical sources, the subject property consisted of agricultural land from 1937 through 1982. In the 1994 aerial photograph, a rectangular-shaped, flat-roofed building is present along with two cylinder-shaped structures and small square-shaped building located on the northerly end of the subject building. The 2005 through 2013 aerial photographs depict an L-shaped, flat-roofed building, two cylinder structures and small square-shaped building located on the northerly end of the subject building. In the 2015 aerial photograph, a rectangular, flat-roofed building addition is present on the easterly side of the subject building. Two cylinder-shaped structures and a small square-shaped building are located towards the northerly end of the subject building. In addition, there are multiple cylinder-shaped structures developed towards the easterly side of the subject property along with a small square-shaped building.

Per ASTM E 1527-13, "8.3.2 Uses of the Property—All obvious uses of the property shall be identified from the present, back to the property's first developed use, or back to 1940, whichever is earlier. This task requires reviewing only as many of the standard historical sources in 8.3.4.1 through 8.3.4.8 as are necessary and both reasonably ascertainable and likely to be useful (as described under Data Failure in 8.3.2.3). Such confirmation may come from one or more of the standard historical sources specified in 8.3.4.1 through 8.3.4.8, or it may come from other historical sources (such as someone with personal knowledge of the property; see 8.3.4.9). However, checking other historical sources (see 8.3.4.9) is not required. For purposes of 8.3.2, the term "developed use" includes agricultural uses and placement of fill dirt. The report shall describe all identified uses, justify the earliest date identified (for example, records showed no development of the property prior to the specific date), and explain the reason for any gaps in the history of use (for example, data failure)."

Per ASTM E 1527-13, "8.3.2.3 Data Failure—the historical research is complete when either: (1) the objectives in 8.3.1 through 8.3.2.2 are achieved; or (2) data failure is encountered. Data Failure occurs when all of the standard historical sources that are reasonably ascertainable and likely to be useful have been reviewed and yet the objectives have not been met. Data failure is not uncommon in trying to identify the use of the property at five year intervals back to first use or 1940 (whichever is earlier). Notwithstanding a data failure, standard historical sources may be excluded if: (1) the source is not reasonably ascertainable, or (2) if past experience indicates that the source is not likely to be sufficiently useful, accurate, or complete in terms of satisfying the objectives. Other historical sources specified in 8.3.4.9 may be used to satisfy the objectives, but are not required to comply with this practice. If data failure is encountered, the report shall document the failure and, if any of the standard historical sources were excluded, give the reasons for their exclusion. If the data failure represents a significant data gap, the report shall comment on the impact of the data gap on the ability of the environmental professional to identify recognized environmental

conditions."

Based on the above information and standard historical sources searched, data failure has occurred. However, historical use information is deemed sufficient to comply with the ASTM Standard.

Standard historical information is included in the appendices of this report.

4.4.3 Interviews

The objective of interviews is to obtain information indicating Recognized Environmental Conditions in connection with the subject property as well as AULs. Property Solutions interviewed or made good faith efforts to interview the following:

Represents	Interviewed	Name and title	Comments
Current Property Owner	No	Not applicable	User did not provide name or contact information nor did they coordinate or facilitate the interview.
Previous Property Owner	No	Not applicable	User did not provide name or contact information nor did they coordinate or facilitate the interview.
Current Property Owner Representative	No	Not applicable	User did not provide name or contact information nor did they coordinate or facilitate the interview.
Previous Property Owner Representative	No	Not applicable	User did not provide name or contact information nor did they coordinate or facilitate the interview.
Key Site Manager	Yes	Ms. Julie Dietzenbach, Plant Manager	No concerns identified during the interview.
Previous Key Site Manager	No	Not applicable	User did not provide name or contact information nor did they coordinate or facilitate the interview.
Current Property Occupants	Yes	Ms. Julie Dietzenbach, Plant Manager	No concerns identified during the interview.
Previous Property Occupants	No	Not applicable	User did not provide name or contact information nor did they coordinate or facilitate the interview.
Current Property Major Occupant	No	Not applicable	User did not provide name or contact information nor did they coordinate or facilitate the interview.
Previous Property Major Occupant	No	Not applicable	User did not provide name or contact information nor did they coordinate or facilitate the interview.
Current Property Operator	Yes	Ms. Julie Dietzenbach, Plant Manager	No concerns identified during the interview.
Previous Property Operator	No	Not applicable	User did not provide name or contact information nor did they coordinate or facilitate the interview.

Represents	Interviewed	Name and title	Comments
Neighboring Property Owner	No	Not applicable	Subject property is not considered an abandoned property where there is evidence of potential unauthorized uses of the abandoned property or evidence of uncontrolled access to the abandoned property, therefore no interview with the neighboring property owners was performed.
Neighboring Property Occupants	No	Not applicable	Subject property is not considered an abandoned property where there is evidence of potential unauthorized uses of the abandoned property or evidence of uncontrolled access to the abandoned property, therefore no interview with the neighboring property occupants was performed.

4.4.4 Property Specific Records

During the course of the assessment of the subject property, Property Solutions contacted the following local, county, and state agencies and companies via phone, letter, or in person.

Department of Health

Agency name	Howard County Health Department- Environmental Health Division
Contact name	Marshall Rogue
Contact title	Freedom of Information Officer
Address	137 N. Elm Street
City	Cresco
State	Iowa
Contact date	July 20, 2018
Request medium	Letter
Response date	July 24, 2018
Form of response	Letter

Response: No files were identified for the subject property address.

Fire Department

Agency name	City of Cresco Fire Department
Contact name	Neal Stapelkewerd
Contact title	Freedom of Information Officer
Address	215 2nd Avenue SW
City	Cresco
State	Iowa
Contact date	July 20, 2018
Request medium	Fax 563.547.3800
Response date	July 20, 2018
Form of Response	Letter

Response: No files were identified for the subject property address.

Planning/Zoning Department

Agency name	City of Cresco Department of Public Works
Contact name	Not provided
Contact title	Freedom of Information Officer
Address	130 N. Park Place
City	Cresco
State	Iowa
Contact date	July 20, 2018
Request medium	Letter
Response date	No response
Form of response	Not applicable

A response has not been received at the time of this report.

Building Department/Inspection Department

Agency name	City of Cresco Department of Public Works
Contact name	Not provided
Contact title	Freedom of Information Officer
Address	130 N. Park Place
City	Cresco
State	Iowa
Contact date	July 20, 2018
Request medium	Letter
Response date	No response
Form of response	Not applicable

A response has not been received at the time of this report.

Tax Assessor/Tax Department

Agency name	Howard County Assessor
Address	130 N. Park Place
City	Cresco
State	Iowa
Contact date	July 20, 2018
Request medium	http://howard.iowaassessors.com/

Response: Property Solutions visited the Howard County Assessor website on December 2, 2015. The Howard County Assessor website provided Property Solutions with a copy of a tax map for the subject property and the surrounding area and a copy of the tax information card for the subject property.

Based on Property Solutions review of the tax map and tax information cards, the subject property is identified as PIN 321592200090; the subject property consists of a near-square-shaped, 3.31-acre parcel of land improved with three industrial buildings constructed in 1993 (distribution warehouse), 2002 (office) and 2012 (office); the gross area of the subject buildings is approximately 6,000 square feet; and the subject property is owned by Sun Rich Inc.; the date of acquisition was not provided. Previous ownership information was not reasonable ascertainable.

A copy of the tax map is included in Appendix A.

Electrical Utility

As per previous correspondence, the electric company, Alliant Energy, no longer responds to inquiries and, consequently, was not contacted.

Sewer Department/Provider

Agency name	City of Cresco Department of Public Works
Contact name	Not provided
Contact title	Freedom of Information Officer
Address	130 N. Park Place
City	Cresco
State	Iowa
Contact date	July 20, 2018
Request medium	Letter
Response date	No response
Form of response	Not applicable

A response has not been received at the time of this report.

Water Department/Supplier

Agency name	City of Cresco Water Department
Contact name	Not provided
Contact title	Not provided
Address	130 N. Park Place
City	Cresco
State	Iowa
Contact date	July 20, 2018
Request medium	Letter
Response date	No response
Form of response	Not applicable

A response has not been received at the time of this report; however a review of the 2017 Water Quality Report published by the City of Cresco Water Department indicates that the municipal water supplied to the subject property meets federal and state drinking water standards.

Others

No other local agencies or individuals were contacted.

State Environmental Agency

Agency name	State of Iowa Department of Natural Resources- Environmental Division
Contact name	Peggy Elscott
Contact title	Clerk Specialist
Address	502 East 9th Street
City	Des Moines
State	Iowa
Contact date	July 20, 2018
Request medium	Dnr.records@dnr.iowa.gov
Response date	No response
Form of response	Not applicable

Response: No files were identified for the subject property address.

State Online Database Information/GIS

Agency name	Iowa Department of Natural Resources
Contact date	August 8, 2018
Request medium	Online (http://www.iowadnr.gov/About-DNR/About-DNR/Iowa-DNR-Online-Databases)

Property Solutions searched the State of Iowa Department of Natural Resources' online databases for records of the subject property. No records were found.

At the time this report was prepared, some of the above local, county, and state agencies and companies had not responded to our information request as indicated.

According to ASTM E 1527-13, Section 8.1.4, information that has been requested must be reasonably ascertainable as part of performing the Phase I Environmental Assessment. Information that is reasonably ascertainable per ASTM means that information will be provided by the source within 20 calendar days of receiving a written, telephone, or in-person request.

Copies of the letters and records of communication are included in Appendix I.

4.5 Synopsis of Previous Environmental Investigations and Plans

Complete Report Name	Phase I Environmental Site Assessment
Report Date	December 17, 2015
Report Project Number	20151992
Report Property Name	SunOpta – Cresco, IA
Report Property Address	616 6th Avenue West
Prepared by	Property Solutions Inc.
Consultant City & State Location	Edison, New Jersey
Prepared for	Bank of America, NA
Party City & State Location	Lawrenceville, Georgia
Report Provided by	Property Solutions Inc.
The entire report including appendices was provided.	
The boundaries discussed in this report are identical to those of the subject property identified by Property Solutions.	
Report and Subject property Variations: None	
Information/Portions of Report not Included with Report: None	

Scope of Services Performed Per Report: This Phase I Environmental Assessment was conducted in general accordance with Bank of America, NA's General Services Agreement Number CW481009 dated November 12, 2013. The work was authorized by the Standard Engagement Letter (SEL) dated November 18, 2015 for BOA Project Number – 15-009127-ENV02-001.

Findings/Conclusions as Reported by Report Preparer: This assessment has revealed no evidence of recognized environmental conditions in connection with the subject property.

Recommendations as Reported by Report Preparer: Based on the results of this investigation, no further action is recommended at this time.

Report Historical Information and Findings: The subject property was historically used as agricultural land.

Property Solutions Review: No issues noted.

No environmental concerns were identified during the review of the previous report.

A copy of the previous report is included in Appendix G.

Property Solutions did not review any plans pertaining to the subject property.

4.6 Asbestos-Containing Material

Based on the dates of construction (1993, 2002, 2012), review of available building information, and observations made during the property visit, ACMs are not expected to have been used during construction of the subject building.

Based upon the above information, no further action is warranted at this time.

4.7 Mold/Water Intrusion

During the course of the Phase I Environmental Assessment property visit, Property Solutions performed limited observations for obvious signs of moisture, water intrusion, and potential mold at the subject property. This was performed for overview purposes only and is not a mold assessment or inspection for regulatory submittal purposes. Additional areas may exist in areas not observed or in concealed locations (behind walls and above ceiling tiles, etc.). This was a limited visual review during a Phase I Environmental Assessment property visit of easily accessible areas for obvious signs of water intrusion and potential mold. An engineering assessment and property maintenance personnel should be consulted to verify water intrusion due to engineering concerns and deficiencies and addressed as appropriate.

Molds produce tiny spores to reproduce, which waft through the indoor and outdoor air continually. When mold spores land on a damp spot indoors, they may begin growing and digesting whatever they are growing on in order to survive. There are molds that can grow on wood, paper, carpet, and foods. When excessive moisture or water accumulates indoors, mold growth will often occur, particularly if the moisture problem remains undiscovered or un-addressed. There is no practical way to eliminate all molds and mold spores in the indoor environment; the way to control indoor mold growth is to control moisture. In addition, mold growth may be a problem after flooding.

Standards or Threshold Limit Values (TLVs) for airborne concentrations of mold, or mold spores, have not been set. Currently, there are no USEPA regulations or standards for airborne mold contaminants.

Ms. Dietzenbach was unaware of past water damage or historic leaks.

No obvious visual evidence of mold, water intrusion, water damage, or standing water was observed in the interior portions of the subject building accessed by Property Solutions during the property visit. No musty odors indicative of a moisture problem or porous materials such as carpets and insulation in damp niches were observed during the property visit. No botanical materials such as bark chips or potted plants in moist locations such as an atrium were observed during the property visit. No indoor water features such as fountains, indoor waterfalls, or indoor swimming pools were observed in the subject building. Ms. Dietzenbach was unaware of reported odor complaints, allergic reactions, or other symptoms possibly associated with mold growth. No problems evident in the building envelope or problematic conditions surrounding the air intake were observed. No operatives conducive to bioaerosol generation such as animal confinement operations, agricultural activities, or wetlands were observed on the subject property or adjacent properties.

This limited visual review was conducted for overview purposes only; mold may exist in concealed locations (behind walls, wallpaper, and ceilings, etc.).

Based on the above information, no further investigation is recommended at this time regarding moisture and mold.

5.0 CONCLUSIONS

We have performed a Phase I Environmental Assessment in conformance with the scope and limitations of ASTM Practice E 1527-13 of SunOpta - Cresco located at 616 6th Avenue West in Cresco, Howard County, Iowa 52136. Any exceptions to, or deletions from, this practice are described in Section 1.0 of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the subject property.

6.0 RECOMMENDATIONS AND OPINIONS OF PROBABLE COST

Based on the results of this investigation, no further action is recommended at this time.

7.0 LIMITATIONS

The conclusions as presented above are based upon the agreed upon scope of work outlined in the above report. Consultant makes no guarantees as to the accuracy or completeness of information obtained from others. It is possible that information exists beyond the scope of this investigation. Additional information which was not available to Consultant at the time of writing the Report may result in a modification of the conclusions as presented. The Services performed by Consultant have been conducted in a manner consistent with the level of care ordinarily exercised by members of our profession currently practicing under similar conditions. This report is not a legal opinion, but may under certain circumstances be prepared at the direction of counsel, may be in anticipation of litigation, and may be classified as an attorney client communication or as an attorney work product.

8.0 REFERENCES

8.1 Information Sources

1. United States Geological Survey's 7.5-minute topographic quadrangle map of Cresco NW, Iowa.
2. United States Department of Agriculture, Soil Conservation Services' Soil Survey of Howard County, Iowa.
3. Geologic Map of Iowa produced by the Iowa Geological Survey.
4. National Water Summary 1986 – Hydrologic Events and Groundwater Quality, dated 1988, produced by the United States Geological Survey.
5. United States Department of the Interior, National Wetland Inventory Map for Cresco NW, Iowa.
6. Cresco Water Department's 2018 Water Quality Report
7. USEPA's Map of Radon Zones produced by the USEPA.
8. Federal Area Radon Database produced by EDR.
9. Aerial photographs provided by Environmental Data Resources, Inc.

10. Aerial photographs provided by TerraServer.
11. Fire insurance maps, provided by Environmental Data Resources, Inc.
12. The EDR Radius Map with GeoCheck, produced by Environmental Data Resources, Inc.
13. Envirofacts Data Warehouse, produced by USEPA.
14. City of Cresco Zoning Map, Cresco Planning and Zoning Department, accessed December 2, 2015
15. Phase I Environmental Site Assessment, by Property Solutions Inc, dated December 17, 2015.

8.2 Definitions

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

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

NOTE 1—The term *AUL* is taken from Guide E2091 to include both legal (that is, institutional) and physical (that is, engineering) controls within its scope. Other agencies, organizations, and jurisdictions may define or utilize these terms differently (for example, EPA and California do not include physical controls within their definitions of "*institutional controls*." Department of Defense and International County/City Management Association use "Land Use Controls." The term "land use restrictions" is used but not defined in the *Brownfields Amendments*).

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

Actual Knowledge Exception – If the user or environmental professional(s) conducting an environmental site assessment has actual knowledge that the information being used from a prior environmental site assessment is not accurate or if it is obvious, based on other information obtained by means of the environmental site assessment or known to the person conducting the environmental site assessment, that the information being used is not accurate, such information from a prior environmental site assessment may not be used.

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

All appropriate inquiries – that inquiry constituting all appropriate inquiries into the previous ownership and uses of the property consistent with good commercial and customary practice as defined in CERCLA, 42 U.S.C §9601(35)(B), that will qualify a party to a commercial real estate transaction for one of the threshold criteria for satisfying the LLPs to CERCLA liability (42 U.S.C §9601(35)(A) & (B), §9607(b)(3), §9607(q); and §9607(r)), assuming compliance with other elements of the defense. See ASTM 1527-13 Appendix X1.

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

Bona fide prospective purchaser liability protection – (42 U.S.C. §9607(r))—a person may qualify as a bona fide prospective purchaser if, among other requirements, such person made "all appropriate inquiries into the previous ownership and uses of the facility in accordance with generally accepted good commercial and customary standards and practices." Knowledge of contamination resulting from all appropriate inquiries would not generally preclude this liability protection. A person must make all appropriate inquiries on or before the date of purchase. The facility must have been purchased after January 11, 2002. See ASTM E 1527-13, Appendix X1 for the other necessary requirements that are beyond the scope of this practice.

Business environmental risk – a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice. Consideration of business environmental risk issues may involve addressing one or more non-scope considerations, some of which are identified in ASTM E 1527-13, Section 13.

Comparison with Subsequent Inquiry – It should not be concluded or assumed that an inquiry was not all appropriate inquiries merely because the inquiry did not identify recognized environmental conditions in connection with a property. Environmental site assessments must be evaluated based on the reasonableness of judgments made at the time and under the circumstances in which they were made. Subsequent environmental site assessments should not be considered valid standards to judge the appropriateness of any prior assessment based on hindsight, new information, use of developing technology or analytical techniques, or other factors.

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

Controlled recognized environmental condition – a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to

the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). (See Note 2.) A condition considered by the environmental professional to be a controlled recognized environmental condition shall be listed in the findings section of the Phase I Environmental Site Assessment report, and as a recognized environmental condition in the conclusions section of the Phase I Environmental Site Assessment report. (See Note 3.)

Note 2-For example, if a leaking underground storage tank has been cleaned up to a commercial use standard, but does not meet unrestricted residential cleanup criteria, this would be considered a controlled recognized environmental condition. The "control" is represented by the restriction that the property use remain commercial.
Note 3-A condition identified as a controlled recognized environmental condition does not imply that the environmental professional has evaluated or confirmed the adequacy, implementation, or continued effectiveness of the required control that has been, or intended to be, implemented.

Construction debris – concrete, brick, asphalt, and other such building materials discarded in the construction of a building or other improvement to property.

Contiguous property owner liability protection – (42 U.S.C. §9607(q))—a person may qualify for the contiguous property owner liability protection if, among other requirements, such person owns real property that is contiguous to, and that is or may be contaminated by hazardous substances from other real property that is not owned by that person. Furthermore, such person conducted all appropriate inquiries at the time of acquisition of the property and did not know or have reason to know that the property was or could be contaminated by a release or threatened release from the contiguous property. The all appropriate inquiries must not result in knowledge of contamination. If it does, then such person did "know" or "had reason to know" of contamination and would not be eligible for the contiguous property owner liability protection. See ASTM E 1527-13, Appendix X1 for the other necessary requirements that are beyond the scope of this practice.

Continued Viability of Environmental Site Assessment – Subject to ASTM E 1527-13, Section 4.8, an environmental site assessment meeting or exceeding this practice and completed less than 180 days prior to the date of acquisition[5] of the property or (for transactions not involving an acquisition) the date of the intended transaction is presumed to be valid.[6] If within this period the assessment will be used by a user different than the user for whom the assessment was originally prepared, the subsequent user must also satisfy the User's Responsibilities in ASTM E 1527-13, Section 6. Subject to Section 4.8 and the User's Responsibilities set forth in ASTM E 1527-13, Section 6, an environmental site assessment meeting or exceeding this practice and for which the information was collected or updated within one year prior to the date of acquisition of the property or (for transactions not involving an acquisition) the date of the intended transaction may be used provided that the following components of the inquiries were conducted or updated within 180 days of the date of purchase or the date of the intended transaction: (i) interviews with owners, operators, and occupants; (ii) searches for recorded environmental cleanup liens; (iii) reviews of federal, tribal, state, and local government records; (iv) visual inspections of the property and of adjoining properties; and (v) the declaration by the environmental professional responsible for the assessment or update.

5 Under "*All Appropriate Inquiries* " 40 C.F.R. Part 312, EPA defines date of acquisition as the date on which a person acquires title to the *property*.

[6] Subject to meeting the other requirements set forth in this section, for purpose of the *LLPs*, information collected in an assessment conducted prior to the effective date of the federal regulations for *All Appropriate Inquiries* or this practice can be used if the information was generated as a result of procedures that meet or exceed the requirements of the E 1527-97 or -00 standards.

Contractual Issues Regarding Prior Assessment Usage – The contractual and legal obligations between prior and subsequent users of environmental site assessments or between environmental professionals who conducted prior environmental site assessments and those who would like to use such prior environmental site assessments are beyond the scope of this practice.

Data failure – a failure to achieve the historical research objectives in ASTM E 1527-13, §8.3.1 through 8.3.2.2 even after reviewing the standard historical sources in §8.3.4.1 through 8.3.4.8 that are reasonably ascertainable and likely to be useful. Data failure is one type of data gap. See ASTM E 1527-13, 8.3.2.3.

Data gap – a lack of or inability to obtain information required by this practice despite good faith efforts by the environmental professional to gather such information. Data gaps may result from incompleteness in any of the activities required by this practice, including, but not limited to site reconnaissance (for example, an inability to conduct the site visit), and interviews (for example, an inability to interview the key site manager, regulatory officials, etc.). See ASTM E 1527-13 12.7.

De minimis Condition - a condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be de minimis conditions are not recognized environmental conditions nor controlled recognized environmental conditions.

Demolition debris – concrete, brick, asphalt, and other such building materials discarded in the demolition of a building or other improvement to property.

Engineering controls (EC) – physical modifications to a site or facility (for example, capping, slurry walls, or point of use water treatment) to reduce or eliminate the potential for exposure to hazardous substances or petroleum products in the soil or groundwater on the property. Engineering controls are a type of activity and use limitation (AUL).

Environmental lien – a charge, security, or encumbrance upon title to a property to secure the payment of a cost, damage, debt, obligation, or duty arising out of response actions, cleanup, or other remediation of hazardous substances or petroleum products upon a property, including (but not limited to) liens imposed pursuant to CERCLA 42 U.S.C. §§9607(1) & 9607(r) and similar state or local laws.

Environmental professional – a person meeting the education, training, and experience requirements as set forth in 40 CFR §312.10(b). See ASTM E 1527-13 Appendix X2. The person may be an independent contractor or an employee of the user.

Fill dirt – dirt, soil, sand, or other earth, that is obtained off-site, that is used to fill holes or depressions, create mounds, or otherwise artificially change the grade or elevation of real property. It does not include material that is used in limited quantities for normal landscaping activities.

Good faith – the absence of any intention to seek an unfair advantage or to defraud another party; an honest and sincere intention to fulfill one's obligations in the conduct or transaction concerned.

Hazardous substance – a substance defined as a hazardous substance pursuant to CERCLA 42 U.S.C.§9601(14), as interpreted by EPA regulations and the courts:" (A) any substance designated pursuant to section 1321(b)(2)(A) of Title 33, (B) any element, compound, mixture, solution, or substance designated pursuant to section 9602 of this title, (C) any hazardous waste having the characteristics identified under or listed pursuant to section 3001 of the Resource Conservation and Recovery Act of 1976 (RCRA), as amended, (42 U.S.C. §6921) (but not including any waste the regulation of which under RCRA (42 U.S.C.§§6901 et seq.) has been suspended by Act of Congress), (D) any toxic pollutant listed under section 1317(a) of Title 33, (E) any hazardous air pollutant listed under section 112 of the Clean Air Act (42 U.S.C. §7412), and (F) any imminently hazardous chemical substance or mixture with respect to which the Administrator (of EPA) has taken action pursuant to section 2606 of Title 15. The term does not include petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance under subparagraphs (A) through (F) of this paragraph, and the term does not include natural gas, natural gas liquids, liquefied natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas)." (See ASTM E 1527-13, Appendix X1.)

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

Hazardous waste/contaminated sites – sites on which a release has occurred, or is suspected to have occurred, of any hazardous substance, hazardous waste, or petroleum products, and that release or suspected release has been reported to a government entity.

Historical recognized environmental condition – a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). Before calling the past release a historical recognized environmental condition, the environmental professional must determine whether the past release is a recognized

environmental condition at the time the Phase I Environmental Site Assessment is conducted (for example, if there has been a change in the regulatory criteria). If the EP considers the past release to be a recognized environmental condition at the time the Phase I ESA is conducted, the condition shall be included in the conclusions section of the report as a recognized environmental condition.

IC/EC registries – databases of institutional controls or engineering controls that may be maintained by a federal, state or local environmental agency for purposes of tracking sites that may contain residual contamination and AULs. The names for these may vary from program to program and state to state, and include terms such as Declaration of Environmental Use Restriction database (Arizona), list of "deed restrictions" (California), environmental real covenants list (Colorado), brownfields site list (Indiana, Missouri) and the Pennsylvania Activity and Use Limitation (PA AUL) Registry.

Innocent landowner defense – (42 U.S.C. §§9601(35) & 9607(b)(3)) – a person may qualify as one of three types of innocent landowners: (i) a person who "did not know and had no reason to know" that contamination existed on the property at the time the purchaser acquired the property; (ii) a government entity which acquired the property by escheat, or through any other involuntary transfer or acquisition, or through the exercise of eminent domain authority by purchase or condemnation; and (iii) a person who "acquired the facility by inheritance or bequest." To qualify for the innocent landowner defense, such person must have made all appropriate inquiries on or before the date of purchase. Furthermore, the all appropriate inquiries must not have resulted in knowledge of the contamination. If it does, then such person did "know" or "had reason to know" of contamination and would not be eligible for the innocent landowner defense. See ASTM E 1527-13, Appendix X1 for the other necessary requirements that are beyond the scope of this practice.

Institutional controls (IC) – a legal or administrative restriction (for example, "deed restrictions," restrictive covenants, easements, or zoning) on the use of, or access to, a site or facility to (1) reduce or eliminate potential exposure to hazardous substances or petroleum products in the soil or groundwater on the property, or (2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment. An institutional control is a type of Activity and Use Limitation (AUL).

Interviews – those portions of ASTM E 1527-13 practice that are contained in Section 10 and 11 thereof and address questions to be asked of past and present owners, operators, and occupants of the property and questions to be asked of local government officials.

Key site manager – the person identified by the owner or operator of a property as having good knowledge of the uses and physical characteristics of the property. See ASTM E 1527-13, 10.5.1.

Landowner Liability Protections (LLPs) – landowner liability protections under CERCLA; these protections include the bona fide prospective purchaser liability protection, contiguous property owner liability protection, and innocent landowner defense from CERCLA liability. See 42 U.S.C. §§9601(35)(A), 9601(40), 9607(b), 9607(q), 9607(r).

Level of Inquiry is Variable – Not every property will warrant the same level of assessment. Consistent with good commercial and customary practice, the appropriate level of environmental site assessment will be guided by the type of property subject to assessment, the expertise and risk tolerance of the user, and the information developed in the course of the inquiry.

Major occupants – those tenants, subtenants, or other persons or entities each of which uses at least 40 % of the leasable area of the property or any anchor tenant when the property is a shopping center.

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

Migrate/migration – for the purposes of this practice, "migrate" and "migration" refers to the movement of hazardous substances or petroleum products in any form, including, for example, solid and liquid at the surface or subsurface, and vapor in the subsurface. See Note 4.

Note 4-Vapor migration in the subsurface is described in Guide E2600; however, nothing in this practice should be construed to require application of the Guide E2600 standard to achieve compliance with all appropriate inquiries.

Not Exhaustive – All appropriate inquiries does not mean an exhaustive assessment of a property. There is a point at which the cost of information obtained or the time required to gather it outweighs the usefulness of the information and, in fact, may be a material detriment to the orderly completion of transactions. One of the purposes of this practice is to identify a balance between the competing goals of limiting the costs and time demands inherent in performing an environmental site assessment and the reduction of uncertainty about unknown conditions resulting from additional information.

Obvious – that which is plain or evident; a condition or fact that could not be ignored or overlooked by a reasonable observer while visually or physically observing the property.

Occupants – those tenants, subtenants, or other persons or entities using the property or a portion of the property.

Operator – the person responsible for the overall operation of a facility.

Owner – generally the fee owner of record of the property.

Petroleum exclusion – the exclusion from CERCLA liability provided in 42 U.S.C. §9601(14), as interpreted by the courts and EPA: "The term (hazardous substance) does not include petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance under subparagraphs (A) through (F) of this paragraph, and the term does

not include natural gas, natural gas liquids, liquefied natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas)."

Petroleum products – those substances included within the meaning of the petroleum exclusion to CERCLA, 42 U.S.C. §9601(14), as interpreted by the courts and EPA, that is: petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance under Subparagraphs (A) through (F) of 42 U.S.C. §9601(14), natural gas, natural gas liquids, liquefied natural gas, and synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas). (The word fraction refers to certain distillates of crude oil, including gasoline, kerosene, diesel oil, jet fuels, and fuel oil, pursuant to Standard Definitions of Petroleum Statistics.[4])

[4] *Standard Definitions of Petroleum Statistics*, American Petroleum Institute, Fifth Edition, 1995.

Practically reviewable – information that is practically reviewable means that the information is provided by the source in a manner and in a form that, upon examination, yields information relevant to the property without the need for extraordinary analysis of irrelevant data. The form of the information shall be such that the user can review the records for a limited geographic area. Records that cannot be feasibly retrieved by reference to the location of the property or a geographic area in which the property is located are not generally practically reviewable. Most databases of public records are practically reviewable if they can be obtained from the source agency by the county, city, zip code, or other geographic area of the facilities listed in the record system. Records that are sorted, filed, organized, or maintained by the source agency only chronologically are not generally practically reviewable. Listings in publicly available records which do not have adequate address information to be located geographically are not generally considered practically reviewable. For large databases with numerous records (such as RCRA hazardous waste generators and registered underground storage tanks), the records are not practically reviewable unless they can be obtained from the source agency in the smaller geographic area of zip codes. Even when information is provided by zip code for some large databases, it is common for an unmanageable number of sites to be identified within a given zip code. In these cases, it is not necessary to review the impact of all of the sites that are likely to be listed in any given zip code because that information would not be practically reviewable. In other words, when so much data is generated that it cannot be feasibly reviewed for its impact on the property, it is not practically reviewable.

Prior Assessment Usage – The ASTM E 1527-13 practice recognizes that environmental site assessments performed in accordance with this practice will include information that subsequent users may want to use to avoid undertaking duplicative assessment procedures. Therefore, this practice describes procedures to be followed to assist users in determining the appropriateness of using information in environmental site assessments performed more than one year prior to the date of acquisition of the property or (for transactions not involving an acquisition) the date of the intended transaction. The system of prior assessment usage is based on the following principles that should be adhered to in addition to the specific procedures set forth elsewhere in the ASTM E 1527-13 practice.

Property – the real property that is the subject of the environmental site assessment described in the ASTM E 1527-13 practice. Real property includes buildings and other fixtures and improvements located on the property and affixed to the land.

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

Reasonably Ascertainable – information that is (1) publicly available, (2) obtainable from its source within reasonable time and cost constraints, and (3) practically reviewable.

Reasonable time and cost – information that is obtainable within reasonable time and cost constraints means that the information will be provided by the source within 20 calendar days of receiving a written, telephone, or in-person request at no more than a nominal cost intended to cover the source's cost of retrieving and duplicating the information. Information that can only be reviewed by a visit to the source is reasonably ascertainable if the visit is permitted by the source within 20 days of request.

Recognized environmental conditions – the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not recognized environmental conditions.

Recorded land title records – records of historical fee ownership, which may include leases, land contracts, and AULs on or of the property recorded in the place where land title records are, by law or custom, recorded for the local jurisdiction in which the property is located. (Often such records are kept by a municipal or county recorder or clerk.) Such records may be obtained from title companies or directly from the local government agency. Information about the title to the property that is recorded in a U.S. district court or any place other than where land title records are, by law or custom, recorded for the local jurisdiction in which the property is located, are not considered part of recorded land title records. See ASTM E 1527-13 8.3.4.4.

Release – a release of any hazardous substance or petroleum product shall have the same meaning as the definition of "release" in CERCLA 42 U.S.C. § 9601(22)). For additional background information, see Legal Appendix (Appendix X1) to X1.1.1 "Releases and Threatened Release."

Relevant experience (as used in the definition of environmental professional) – participation in the performance of all appropriate inquiries investigations, environmental site assessments, or other site investigations that may include environmental analyses, investigations, and remediation which involve the understanding of surface and subsurface environmental conditions and the processes used to evaluate these conditions and for which professional judgment was used to develop opinions regarding conditions indicative of releases or threatened releases (see §312.1(c)) to the subject property.

Rules of Engagement – The contractual and legal obligations between an environmental professional and a user (and other parties, if any) are outside the scope of this practice. No specific legal relationship between the environmental professional and the user is necessary for the user to meet the requirements of this practice.

Uncertainty Not Eliminated – No environmental site assessment can wholly eliminate uncertainty regarding the potential for recognized environmental conditions in connection with a property. Performance of this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for recognized environmental conditions in connection with a property, and this practice recognizes reasonable limits of time and cost.

Use of Prior Information – Subject to the requirements set forth in ASTM E 1527-13, Section 4.6, users and environmental professionals may use information in prior environmental site assessments provided such information was generated as a result of procedures that meet or exceed the requirements of this practice. However, such information shall not be used without current investigation of conditions likely to affect recognized environmental conditions in connection with the property. Additional tasks may be necessary to document conditions that may have changed materially since the prior environmental site assessment was conducted.

User – the party seeking to use Practice E 1527 to complete an environmental site assessment of the property. A user may include, without limitation, a potential purchaser of property, a potential tenant of property, an owner of property, a lender, or a property manager. The user has specific obligations for completing a successful application of this practice as outlined in ASTM E 1527-13, Section 6.

Visually and/or physically observed – during a site visit pursuant to this practice, this term means observations made by vision while walking through a property and the structures located on it and observations made by the sense of smell, particularly observations of noxious or foul odors. The term "walking through" is not meant to imply that disabled persons who cannot physically walk may not conduct a site visit; they may do so by the means at their disposal for moving through the property and the structures located on it.

8.3 Acronyms

ACM – asbestos-containing material
AST – aboveground storage tank
ASTM – American Society for Testing and Materials
AUL – Activity and Use Limitations
bgs – below ground surface
CERCLA – Comprehensive Environmental Response, Compensation and Liability Act of 1980 (as amended, 42 USC § 9601 et seq.)
CERCLIS – Comprehensive Environmental Response, Compensation and Liability Information System (maintained by EPA)
CFR – Code of Federal Regulations
CORRACTS – Facilities subject to Corrective Action under RCRA

CREC – Controlled Recognized Environmental Condition
EA – Environmental Assessment
ECRA – Environmental Cleanup Responsibility Act
EDR – Environmental Data Resources, Inc.
EPA – United States Environmental Protection Agency
EPCRA – Emergency Planning and Community Right to Know Act ((also known as SARA Title III), 42 USC § 11001 et seq.)
ERNS – Emergency Response Notification System
ESA – Environmental Site Assessment (different than an *environmental compliance audit*, 3.2.27)
FOIA – U.S. Freedom of Information Act (5 U.S.C. §552 as amended by Public Law No. 104-231, 110 Stat.)
FR – Federal Register
HREC – Historical recognized environmental condition
ICs – Institutional Controls
ISRA – Industrial Site Recovery Act
LBP – Lead-based paint
LLP – Landowner Liability Protections under the *Brownfields Amendments*
LRST – Leaking registered storage tank
LUST – Leaking underground storage tank
MSDS – Material safety data sheet
NCP – National Contingency Plan
NFRAP – former CERCLIS sites where no further remedial action is planned under CERCLA
NPDES – National Pollutant Discharge Elimination System
NPL – National Priorities List
NVLAP – National Voluntary Laboratory Accreditation Program
OSHA – Occupational Safety and Health Administration
PACM – Presumed asbestos-containing material
PCBs – Polychlorinated biphenyls
PLM – Polarized light microscopy
PRP – Potentially responsible party (pursuant to CERCLA 42 USC § 9607(a))
RCRA – Resource Conservation and Recovery Act (as amended, 42 USC § 6901 et seq.)
RCRIS – Resource Conservation and Recovery Act Information System
REC – Recognized environmental condition
ROC – Record of communication
RST – Registered storage tank
SACM – Suspect asbestos-containing material
SARA – Superfund Amendments and Reauthorization Act of 1986 (amendment to CERCLA)
SIC – Standard Industrial Classification
TEM – Transmission electron microscopy
TSDF – Hazardous waste treatment, storage or disposal facility
USC – United States Code
USEPA –United States Environmental Protection Agency
USGS – United States Geological Survey
UST – Underground storage tank

8.4 Purpose

The purpose of a Phase I Environmental Assessment is to evaluate issues that may have an impact on the subject property. The purpose of the ASTM E 1527-13 practice is to define good commercial and customary practice in the United States of America for conducting an environmental site assessment of a parcel of commercial real estate with respect to the range of contaminants within the scope of Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. §9601) and petroleum products. As such, the practice is intended to permit a User to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on CERCLA liability (hereinafter, the "landowner liability protections," or "LLPs"): that is, the practice that constitutes "all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice" as defined at 42 U.S.C. §9601(35)(B). The goal of this process is to identify the presence or likely presence of hazardous substances or petroleum products on the property and identify conditions that indicate an existing release, a past release, or a material threat of a release of hazardous substances or petroleum products into structures on the subject property or into the ground, groundwater, or surface of the subject property. The purpose of this report is not intended to include de minimis conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. This report is also not intended to serve as a compliance assessment of the subject property or to identify health and safety issues or procedures. The ASTM E 1527-13 DOES NOT address whether requirements in addition to all appropriate inquiry have been met in order to qualify for the LLPs (for example, the duties specified in 42 U.S.C. §9601(b)(3)(a) and (b) and cited in Appendix X1 of the ASTM Standard, including the continuing obligation not to impede the integrity and effectiveness of activity and use limitations (AULs), or the duty to take reasonable steps to prevent releases, or the duty to comply with legally required release reporting obligations).

The ASTM E 1527-13 practice DOES NOT address requirements of any state or local laws or of any federal laws other than the all appropriate inquiry provision of the LLPs. Per the ASTM Standard, Users are cautioned that federal, state, and local laws may impose environmental assessment obligations that are beyond the scope of this practice. Users should also be aware that there are likely to be other legal obligations with regard to hazardous substances or petroleum products discovered on the property that are not addressed in the ASTM practice and that may pose risks of civil and/or criminal sanctions for non-compliance.

8.5 Significant Assumptions

The following assumptions are made by Property Solutions in this report. Property Solutions relied on information derived from secondary sources including governmental agencies, the Client (User), designated representatives of the Client (User), property contact, property owner, property owner representatives, computer databases, and personal interviews. Except as set forth in this report, Property Solutions has made no independent investigation as to the accuracy and completeness of the information derived from secondary sources including government agencies, the Client, designated representatives of the Client, property contact, property owner, property

owner representatives, computer databases, or personal interviews and has assumed that such information is accurate and complete. Property Solutions assumes information provided by or obtained from governmental agencies including information obtained from government websites is accurate and complete. Groundwater flow and depth to groundwater, unless otherwise specified by on-property well data, are assumed based on contours depicted on the United States Geological Survey topographic maps. Property Solutions assumes the property has been correctly and accurately identified by the Client (User), designated representative of the Client (User), property contact, property owner, and property owner's representatives. Property Solutions assumes that the Client (User), Client representatives, Client Legal Counsel, designated representatives of the Client, Key Site Manager, property contact, property owner, property owner representatives, and property brokers, used good faith in answering questions and in obtaining information for the subject property as defined in 10.8 of the ASTM E 1527-13 practice. This would also include obtaining those helpful documents from previous owners, operators, tenants, brokers, financial institutions etc. Property Solutions also assumes the Client will designate appropriate and knowledgeable people for performance of the Phase I Environmental Assessment including Key Site Managers.

8.6 Special Terms and Conditions

This Phase I Environmental Assessment was prepared in accordance with the stated and agreed upon Scope of Work. In order to perform a comprehensive environmental evaluation, subsurface investigation and testing would be required to definitively evaluate whether contamination has affected the subject property. Therefore, the findings and conclusions presented herein are based solely on the scope of work previously described and information gathered. No environmental assessment can wholly eliminate uncertainty regarding the potential for recognized environmental conditions in connection with a property. Performance of the ASTM practice is intended to reduce, but not eliminate, uncertainty regarding the potential for recognized environmental conditions in connection with a property, and the ASTM practice recognizes reasonable limits of time and cost. Limitations to the assessment also include weather conditions, vegetation cover, parked cars, trucks, dumpsters, and anything limiting visual observation of or physical access to the subject property and neighboring properties. Vapor intrusion is not included in this scope of services and is considered an ASTM Non-scope consideration. This report and scope is not an environmental compliance audit.

Subject to Section 4.8 of the ASTM E 1527-13 Standard, an environmental site assessment meeting or exceeding the practice and completed less than 180 days prior to the date of acquisition of the property or (for transactions not involving an acquisition) the date of the intended transaction is presumed to be valid. If within this period the assessment will be used by a different user than the user (Client) for whom the assessment was originally prepared, the subsequent user (if authorized to rely on the report as identified in Section 1.5 Reliance of this report) must also satisfy the User's Responsibilities in Section 6 of the ASTM E 1527-13 standard. If this assessment is over 180 days old it is not valid and a new assessment should be performed per the ASTM standard.

This report was specifically and only prepared for the identified specific Client (user) and for their specific purpose; no other person or entity for any other purpose may use, or rely on this report or its contents unless specifically authorized in writing by Property Solutions Inc. Subsequent consultants and subsequent Users may not rely on this report or information included in this report. Property Solutions Inc. will not be held liable in any way for any and all unauthorized use of this report both currently and in the future. Consultants and subsequent Users must specifically and separately verify all information and not rely on the facts, findings, conclusions, and opinions of this report. Future use of this report by consultants or subsequent Users is strictly prohibited and not authorized to evaluate the appropriateness of using this information in environmental site assessments performed in the future by anyone other than Property Solutions Inc. Subsequent consultants and subsequent Users may not include this report or information included in this report (unless publicly available) without the written authorization of Property Solutions Inc.

No other special terms and conditions are applicable to this Phase I Environmental Assessment.

Property Solutions INC. 323 New Albany Road • Moorestown, New Jersey 08057 • 856-813-3000 • Fax 856-813-1068

ATTACHMENT I
PROFESSIONAL QUALIFICATIONS

GLEN D LEE, P.E.
ENVIRONMENTAL ENGINEER / CONSULTANT

EDUCATION Bachelor of Science - Civil & Environmental Engineering
University of Wisconsin
Madison, Wisconsin

ACCREDITATIONS OSHA 40 hour HAZWOPER Training
American Society of Civil Engineers
Wisconsin Environmental Site Assessor
Iowa Groundwater Professional

SUMMARY OF QUALIFICATIONS

Mr. Lee has over 20 years experience performing and managing Phase I Environmental Assessments, Phase II Subsurface Investigations, Regulatory Compliance Assessments, and Corrective Actions involving industrial, commercial, and residential properties throughout the United States. Mr. Lee is experienced in the design, management, and performance of soil and ground water remedial projects. Mr. Lee performed environmental evaluations which include: researching historical usage of the property, identifying potential contamination, formulating sampling and analysis plans, interpreting analytical results, and documentation through technical report writing. In addition, Mr. Lee has also provided such services as acting as a liaison between regulatory agencies and clients and proposal development.

Work experience includes redevelopment of abandoned or derelict industrial and commercial sites for private and municipal clients. Completed projects have had geographic coverage throughout the United States and Europe.

Clients successfully served by Mr. Lee include members of the Fortune 500 (Tellabs, Borg Warner, Federal Signal, Littelfuse, Verizon, UPS, Monsanto, Searle, CNA) and a range of governmental entities (City of Chicago, US Customs, USDA).

REPRESENTATIVE PROJECT EXPERIERNCE

Brownfield Redevelopment – Chicago, IL
Mr. Lee has conducted preliminary Phase I Environmental Site Assessments (ESAs) and Phase II Site Investigations (SI) as required for Brownfield Redevelopment projects along with the preparation/and development of remedial action plans. Mr. Lee has assisted in Site Remediation Program (SRP) reporting inclusive of the Focused/Comprehensive Site Investigation Reports (F/CSIRs) Remedial Objectives Reports (ROR), Remedial Action Plans (RAP), and Remedial Action Completion Reports (RACR). High profile local projects have included City of Chicago properties that have been transitioned form abandoned industrial sites to middle schools (Zapata & Finkel elementary). These projects were successfully completed on an expedited timetable and with a high level of public interest (regional TV coverage) during a political season.

Brownfield Redevelopment – St. Charles, IL
Another was the former Moline Foundry site in St. Charles that has been redeveloped to a successful multipurpose business park and highlighted as northwestern gateway to the community. This site was one of the highlighted projects that then Governor Ryan used to introduce the State's Brownfield's program in the mid 1990's.

Remediation - UST Removal and Remediation – Various Locations
Mr. Lee has been a lead engineer on over 200 active and inactive underground storage tank projects throughout the United States. In Illinois, the investigations were used to manage and guide site owners through the IEPA's Part 731 and 732 "The Leaking Underground Storage Tank Program", Part 740 "Site Remediation Program" and Part 742 "Tiered Approach to Corrective Action." Project activities included utility clearance, preparation of health and safety plans, drilling soil borings/monitoring well installations, chemical screening of soil samples, soil sample collection and logging, groundwater sampling, surveying, remediation design and implementation, report preparation and submittal, project control/budget monitoring, and reporting.

Phase I Environmental Assessments – Various Locations
Mr. Lee has completed over 250 Phase I ESAs throughout the United States on properties including, but not limited to, vacant lots, former gas stations, commercial structures, and industrial properties. All Phase I ESAs were completed in accordance with currently accepted practices that are consistent with the American Society for Testing & Materials (ASTM) Standard Practice for Environmental Assessments.

Phase II Environmental Assessments – Various Locations
Mr. Lee has been a lead engineer and project manager for over 125 Phase II Subsurface Investigations throughout the United States. Soil and groundwater investigations have been completed on vacant/idle properties, agricultural properties, commercial/retail properties, industrial/manufacturing plants, and residential properties. The soil and groundwater investigations were completed to assess and characterize a full suite of contaminants of concern.

STACY DURDEN, P.G.
SENIOR GEOLOGIST

EDUCATION Bachelors of Science in Geology minor in Archeology, 2001
State University of West Georgia
Carrollton, Georgia

ACCREDITATIONS

Tenn. registered Professional Geologist
NPDES
40-hr & 8-hr Supervisor OSHA HAZWOPER
First Aid/CPR
MSHA 24-hr Mine Safety Program
Asbestos in Buildings: Inspection and Assessment

SUMMARY OF QUALIFICATIONS

Ms. Durden has directed, managed and participated in numerous groundwater-monitoring events and investigations including step down tests, aquifer pumping tests and hydrostatic tests at several quarries located in Georgia. Installed several telescoping monitoring wells at various facilities. She has also directed, managed and participated in numerous contaminate groundwater sampling events throughout the southeast. Ms. Durdens' field experience includes directing, supervising and managing subcontractors, GeoProbe, HSA, logging rock-cores and fracture analysis using HSA and Air Rotary techniques, soils using the Unified Soil Classification System and Munsell color charts, bioremediation, coordinating investigative-derived wastes, supervising monitor well installations and soil removal, spore sampling, asbestos sampling, LBP sampling, radon testing, Brownfield delineations and conducting soil and groundwater sampling at various manufacturing and industrial facilities, conducted weekly O&M on several pumping systems, ARCHIE Studies and soil gas sampling.

REPRESENTATIVE PROJECT EXPERIERNCE

Phase I ESA's – Nationwide

Performed ESAs to identify potential environmental liabilities associated with past or present on-site and off-site activities at several commercial, residential and industrial properties. These ESAs included historic site studies utilizing site and area reconnaissance data, interviewing past and present owners, reviewing environmental information obtained from regulatory databases, interpretation of aerial photographs, and evaluation of the sites' geologic and hydrogeologic characteristics.

Environmental Underwriter – Nationwide

Environmental Underwriter for an insurance company, managed accounts, brokers and clients, arranged and contributed to meetings with both brokers and clients, researched properties and interviewed property managers, underwrote and assisted in underwriting several environmental insurance policies including several gas stations and various other properties.

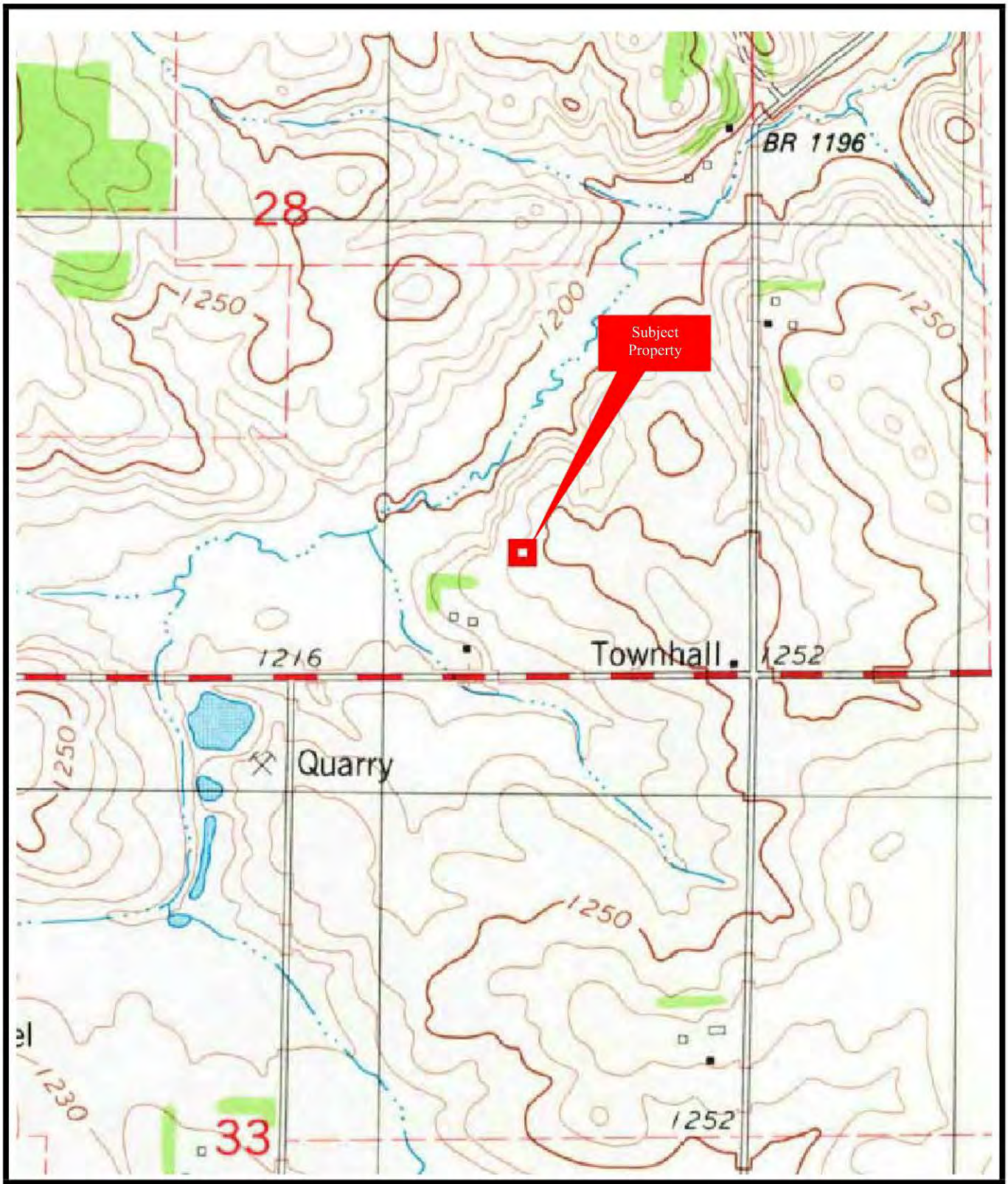
Superfund Technical Assessment & Response Team (START) program – Marshall, MI

Ms. Durden provided environmental oversight during the Kalamazoo River Oil Spill, in Marshall, MI. Daily activities included observing cleanup activities via boat and land at various locations on the Kalamazoo River, reported daily activities and progress of the cleanup, conducted poling activities at various locations on the river, provided photo and written documentation, participated in bi-weekly meetings of cleanup activities and reported any environmental concerns to EPA oversight.

RCRA Facility Investigations and CERCLA Remedial Investigation/Feasibility Studies – Southeastern U.S.

Conducted soil and groundwater contamination investigations associated with RCRA Facility Investigations and CERCLA Remedial Investigation/Feasibility Studies at a variety of sites ranging from former wood treatment facilities to Department of Defense bases.

APPENDIX A
FIGURES



US DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY 7.5' TOPOGRAPHIC QUADRANGLE

Property Solutions Inc.	SunOpta – Cresco 616 6th Avenue West Cresco, Iowa	Project No.: 20181069	N
Topo Quad Name: Cresco NW, Iowa		Property Boundaries are Approximate	

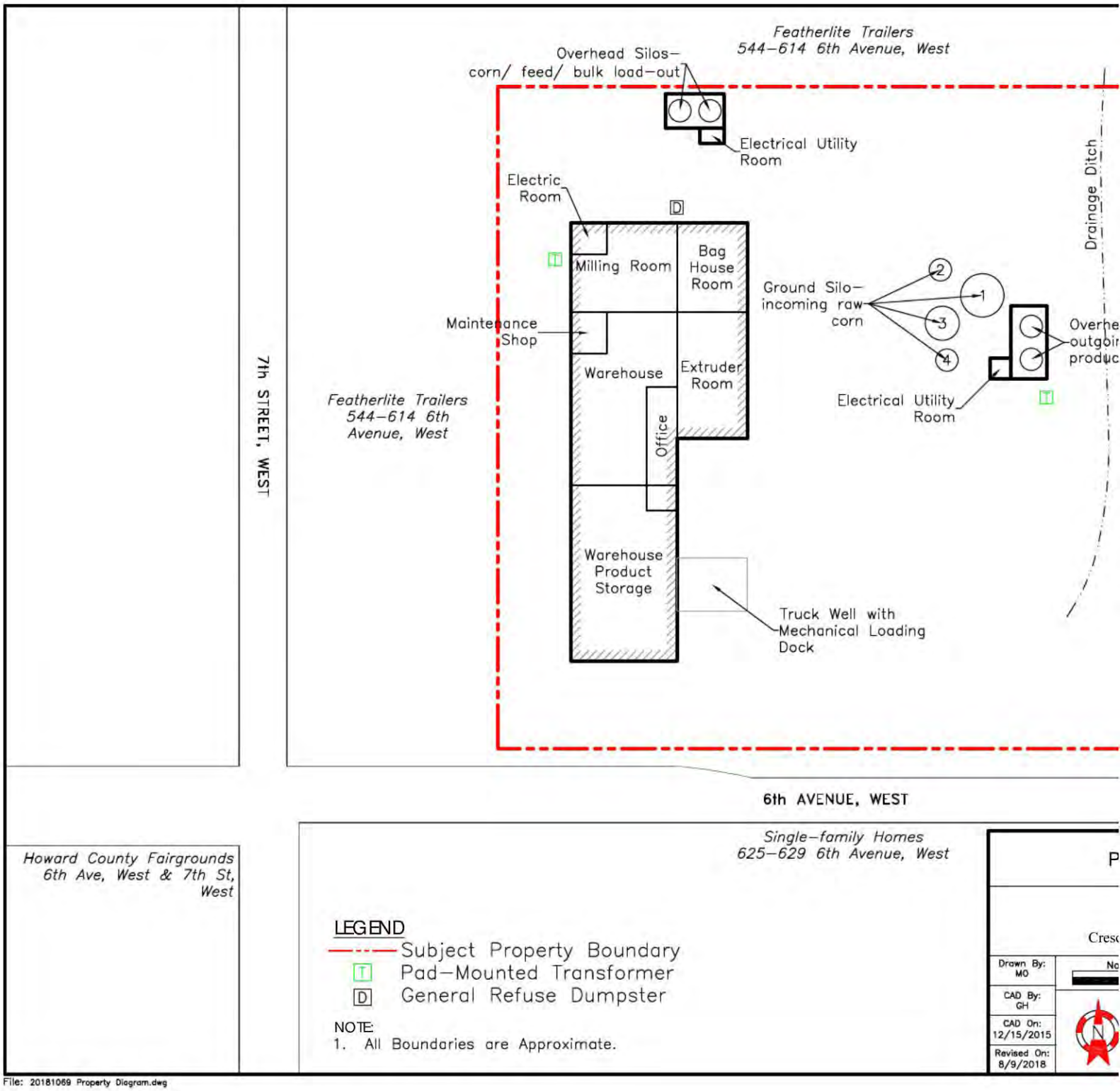
TAX MAP

Property Solutions Inc.	SunOpta – Cresco 616 6th Avenue West Cresco, Iowa	Project No.: 20181069	N

WETLAND MAP

Property Solutions Inc.	SunOpta – Cresco 616 6th Avenue West Cresco, Iowa	Project No.: 20181069	N

APPENDIX B
PROPERTY DIAGRAM



File: 20181069 Property Diagram.dwg

APPENDIX C
PHOTOGRAPHS

PHOTO 1.

Signage to subject property.

PHOTO 2.

North side of building viewing southeast.

PHOTO 3.

East side of building viewing west.

PHOTO 4.

South side of building viewing west.

PHOTO 5.

West side of building viewing north.

PHOTO 6.

Grain elevator viewing north.

PHOTO 7.

North loading building viewing east.

PHOTO 8.

Solid waste dumpster on north side of building.

PHOTO 9.

Pad-mounted electrical transformer on northwest side of building.

PHOTO 10.

Pad-mounted electrical transformer on south side of east elevator.

PHOTO 11.

Drainage ditch on east side of property viewing north.

PHOTO 12.

North adjacent property viewing north.

PHOTO 13.

East adjacent property viewing east.

PHOTO 14.

South adjacent property viewing south.

PHOTO 15.

West adjacent property viewing northwest.

PHOTO 16.

Main office.

PHOTO 17.

Break room.

PHOTO 18.

Electric domestic water heater in mechanical room.

PHOTO 19.

Warehouse.

PHOTO 20.

Maintenance room.

PHOTO 21.

Flammables storage cabinet in maintenance room.

PHOTO 22.

Production floor.

PHOTO 23.

Production equipment.

PHOTO 24.

Water filtration system.

PHOTO 25.

Floor drain in water filtration room.

PHOTO 26.

Pails of cleaning chemicals in water filtration room.

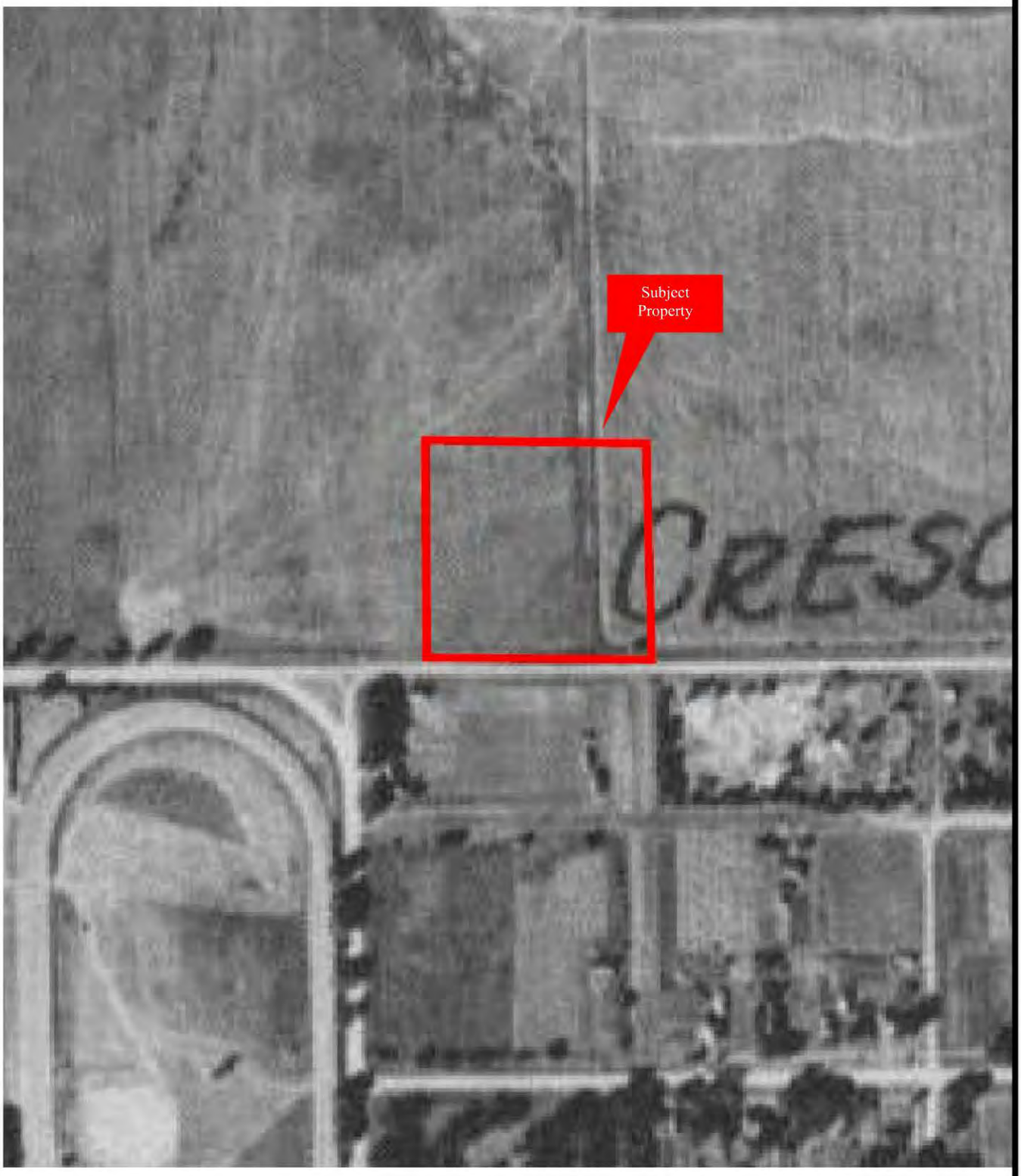
PHOTO 27.

Charger stations for forklift batteries.

APPENDIX D
USER CORRESPONDENCE

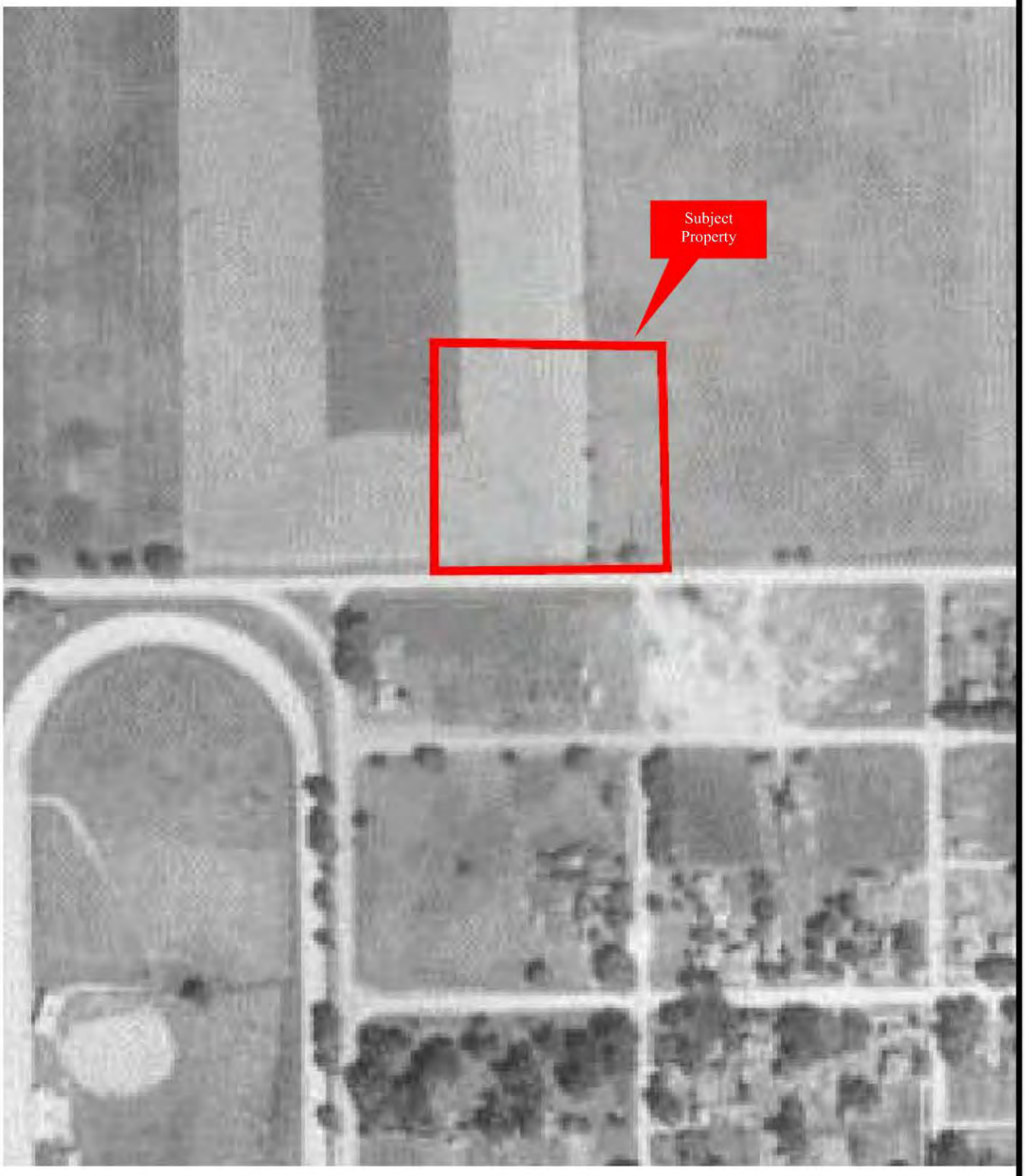
Not provided

APPENDIX E
AERIAL PHOTOGRAPHS



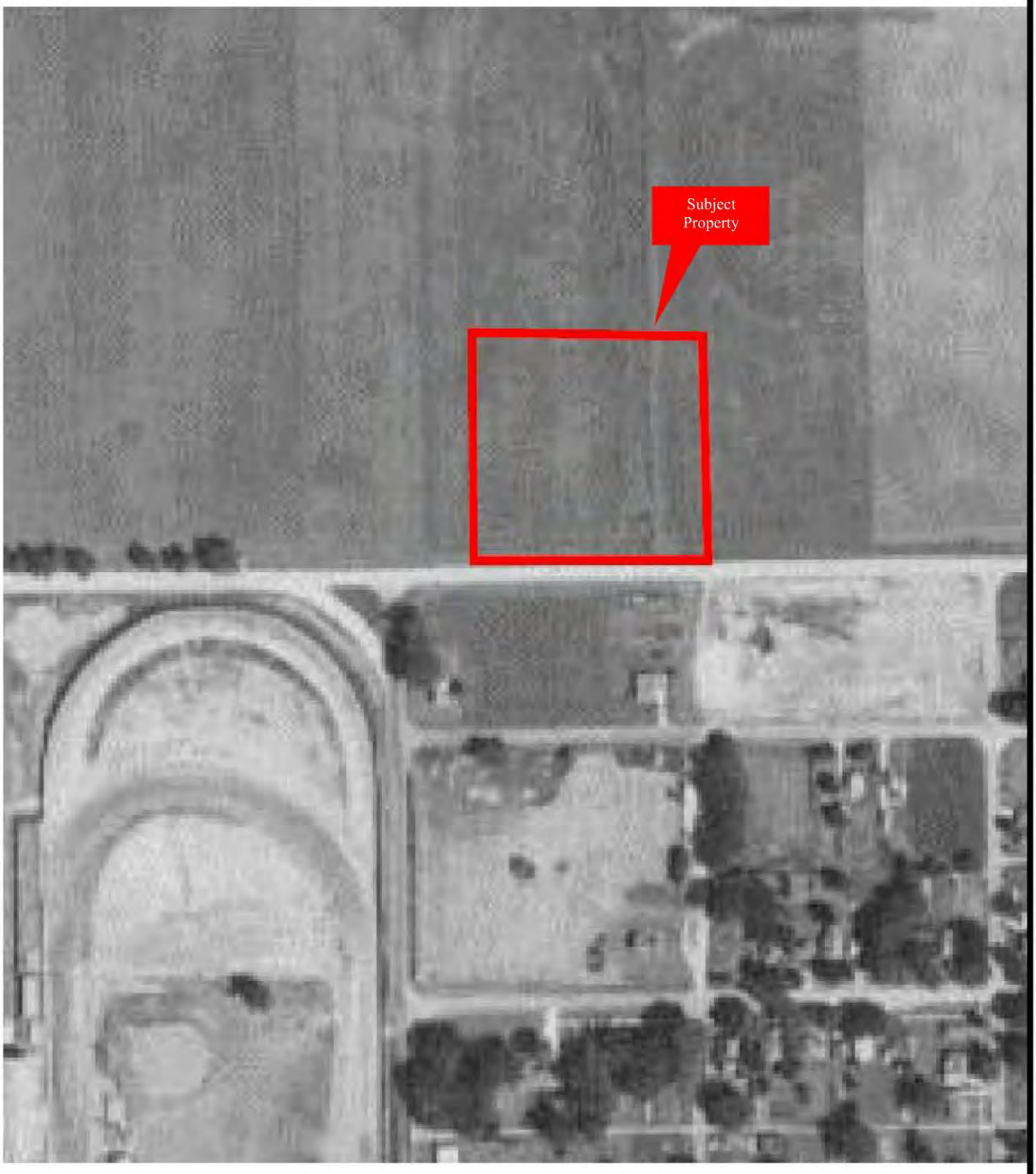
1937 AERIAL PHOTOGRAPH

Property Solutions Inc.	SunOpta – Cresco 616 6th Avenue West Cresco, Iowa	Project No.: 20181069	N
Aerial Company & Location: EDR, Shelton, CT		Property Boundaries are Approximate	



1952 AERIAL PHOTOGRAPH

Property Solutions Inc.	SunOpta – Cresco 616 6th Avenue West Cresco, Iowa	Project No.: 20181069	N
Aerial Company & Location: EDR, Shelton, CT		Property Boundaries are Approximate	



1964 AERIAL PHOTOGRAPH

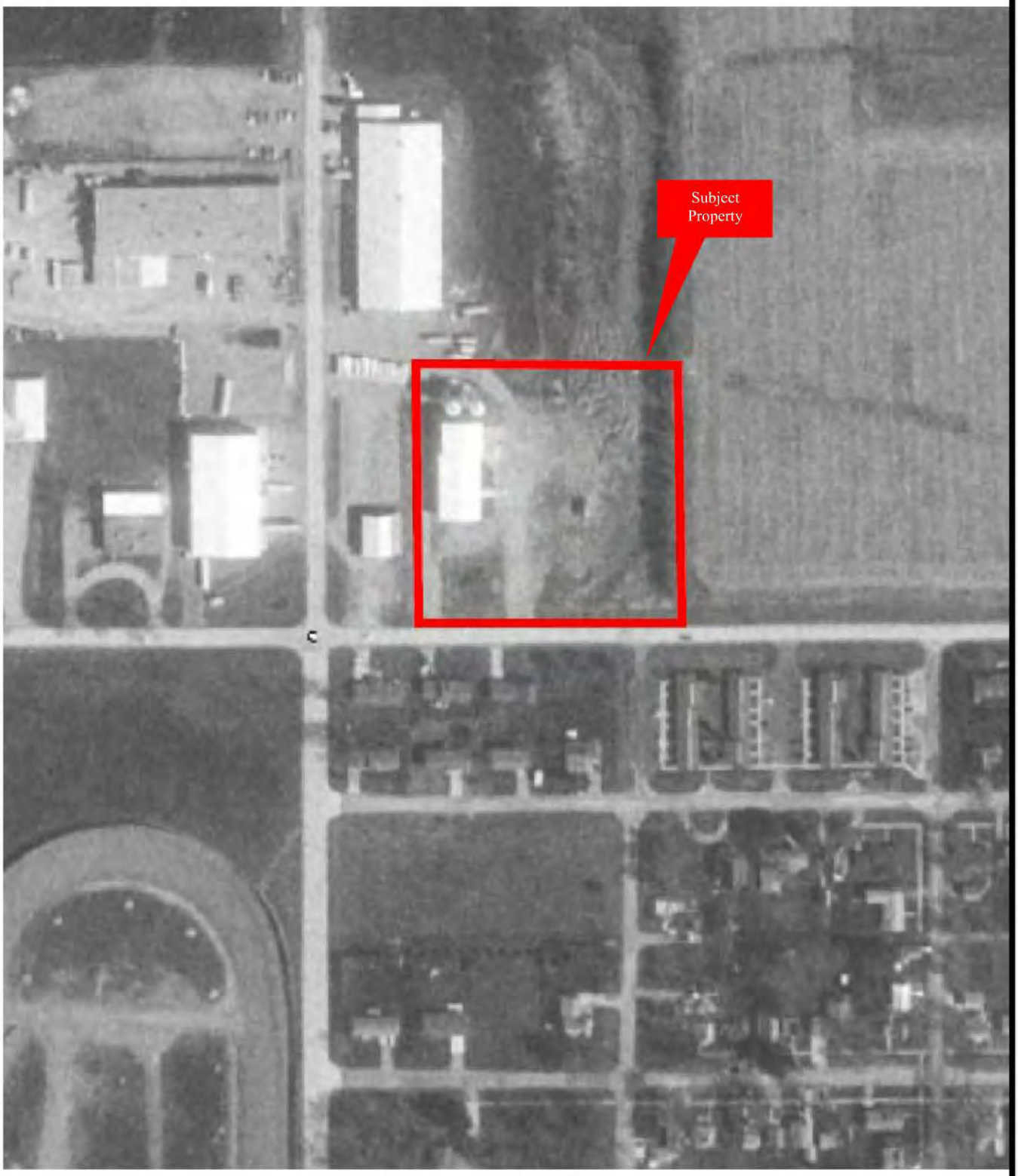
Property Solutions Inc.	SunOpta – Cresco 616 6th Avenue West Cresco, Iowa	Project No.: 20181069	N
Aerial Company & Location: EDR, Shelton, CT		Property Boundaries are Approximate	

1970 AERIAL PHOTOGRAPH

Property Solutions Inc.	SunOpta – Cresco 616 6th Avenue West Cresco, Iowa	Project No.: 20181069	N
Aerial Company & Location: EDR, Shelton, CT		Property Boundaries are Approximate	

1982 AERIAL PHOTOGRAPH

Property Solutions Inc.	SunOpta – Cresco 616 6th Avenue West Cresco, Iowa	Project No.: 20181069	N
Aerial Company & Location: EDR, Shelton, CT		Property Boundaries are Approximate	



1994 AERIAL PHOTOGRAPH

Property Solutions Inc.	SunOpta – Cresco 616 6th Avenue West Cresco, Iowa	Project No.: 20181069	N
Aerial Company & Location: EDR, Shelton, CT		Property Boundaries are Approximate	

2005 AERIAL PHOTOGRAPH

Property Solutions Inc.	SunOpta – Cresco 616 6th Avenue West Cresco, Iowa	Project No.: 20181069	N
Aerial Company & Location: EDR, Shelton, CT		Property Boundaries are Approximate	

2006 AERIAL PHOTOGRAPH

Property Solutions Inc.	SunOpta – Cresco 616 6th Avenue West Cresco, Iowa	Project No.: 20181069	N
Aerial Company & Location: EDR, Shelton, CT		Property Boundaries are Approximate	

2007 AERIAL PHOTOGRAPH

Property Solutions Inc.	SunOpta – Cresco 616 6th Avenue West Cresco, Iowa	Project No.: 20181069	N
Aerial Company & Location: EDR, Shelton, CT		Property Boundaries are Approximate	

2008 AERIAL PHOTOGRAPH

Property Solutions Inc.	SunOpta – Cresco 616 6th Avenue West Cresco, Iowa	Project No.: 20181069	N
Aerial Company & Location: EDR, Shelton, CT		Property Boundaries are Approximate	

2009 AERIAL PHOTOGRAPH

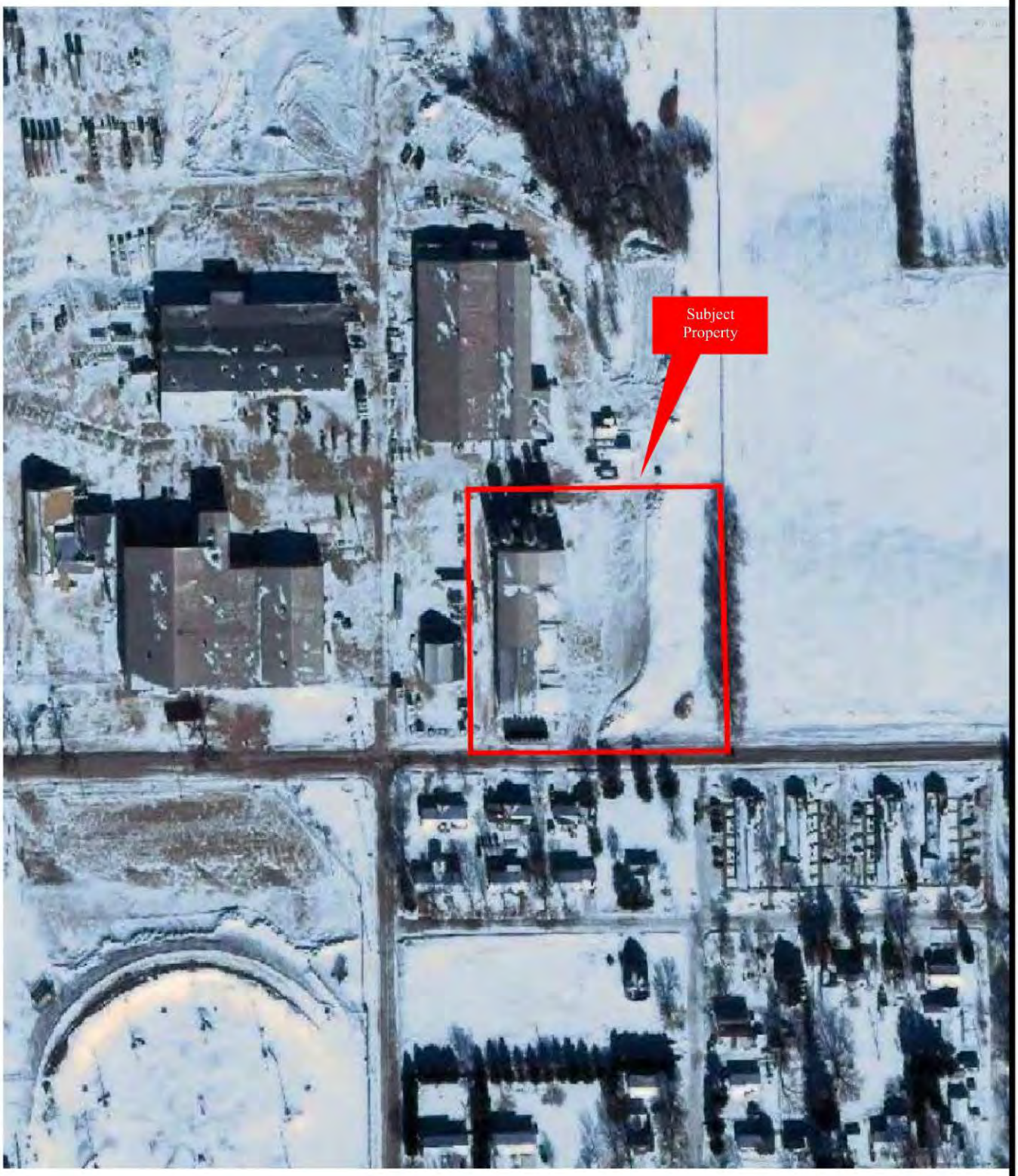
Property Solutions Inc.	SunOpta – Cresco 616 6th Avenue West Cresco, Iowa	Project No.: 20181069	N
Aerial Company & Location: EDR, Shelton, CT		Property Boundaries are Approximate	

2010 AERIAL PHOTOGRAPH

Property Solutions Inc.	SunOpta – Cresco 616 6th Avenue West Cresco, Iowa	Project No.: 20181069	N
Aerial Company & Location: EDR, Shelton, CT		Property Boundaries are Approximate	

2011 AERIAL PHOTOGRAPH

Property Solutions Inc.	SunOpta – Cresco 616 6th Avenue West Cresco, Iowa	Project No.: 20181069	N
Aerial Company & Location: EDR, Shelton, CT		Property Boundaries are Approximate	



2013 AERIAL PHOTOGRAPH

Property Solutions Inc.	SunOpta – Cresco 616 6th Avenue West Cresco, Iowa	Project No.: 20181069	N
Aerial Company & Location: TerraServer, Raleigh, NC		Property Boundaries are Approximate	

2015 AERIAL PHOTOGRAPH

Property Solutions Inc.	SunOpta – Cresco 616 6th Avenue West Cresco, Iowa	Project No.: 20181069	N
Aerial Company & Location: TerraServer, Raleigh, NC		Property Boundaries are Approximate	

APPENDIX F
HISTORIC MAPS

GE Capital Modular Space
1800 Ruffin Mill Circle
Colonial Heights, VA 23834

Inquiry Number: 3038910.3
April 12, 2011

Certified Sanborn® Map Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

4/12/11

Site Name:
GE Capital Modular Space
1800 Ruffin Mill Circle
Colonial Heights, VA 23834

EDR Inquiry # 3038910.3

Client Name:
Property Solutions, Inc.
323 New Albany Road
Moorestown, NJ 08057

Contact: Brian Gallagher

EDR® Environmental Data Resources Inc

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

Certified Sanborn Results:

Site Name: GE Capital Modular Space
Address: 1800 Ruffin Mill Circle
City, State, Zip: Colonial Heights, VA 23834
Cross Street:
P.O. # 20111769
Project: 20111769
Certification # 375D-499F-89F7

Sanborn® Library search results
Certification # 375D-499F-89F7

UNMAPPED PROPERTY

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

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ✓ Library of Congress
- ✓ University Publications of America
- ✓ EDR Private Collection

The Sanborn Library LLC Since 1866™

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APPENDIX G
PREVIOUS REPORTS AND PLANS

Property Solutions INC.
Environmental & Engineering Consulting

31A Northfield Avenue • Edison, New Jersey 08837 • 732-417-0999 • Fax 732-417-0888

PHASE I ENVIRONMENTAL ASSESSMENT

of

SunOpta – Cresco, Iowa
616 6th Avenue West
Cresco, Howard County, Iowa 52136
BOA Project Number – 15-009127-ENV02-001

Prepared for:

Bank of America, NA
3985 Sugarloaf Parkway
Mail Code: GA7-913-01-01
Lawrenceville, Georgia 30044

Prepared by:

Property Solutions Incorporated
31A Northfield Avenue
Edison, New Jersey 08837

Date: December 17, 2015

Property Solutions Project No. 20151992

Property Solutions INC.
Environmental & Engineering Consulting

31A Northfield Avenue • Edison, New Jersey 08837 • 732-417-0999 • Fax 732-417-0888

PHASE I ENVIRONMENTAL ASSESSMENT

of

SunOpta – Cresco, Iowa
616 6th Avenue West
Cresco, Howard County, Iowa 52136
BOA Project Number – 15-009127-ENV02-001

Prepared for:

Bank of America, NA
3985 Sugarloaf Parkway
Mail Code: GA7-913-01-01
Lawrenceville, Georgia 30044

Prepared by:

Property Solutions Incorporated
31A Northfield Avenue
Edison, New Jersey 08837

December 17, 2015

Property Solutions Project No. 20151992

Michelle O'Brien
Environmental Scientist

Shauna M. Coobick, P.G.
Technical Manager

Donald P. Hessemer, CHMM
Regional Director

We declare that, to the best of our professional knowledge and belief, we meet the definition of *Environmental Professional* as defined in §312.10 of 40 CFR 312 and we have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Shauna M. Coobick

Shauna M. Coobick, P.G.
Technical Manager

20151992

TABLE OF CONTENTS

SECTION **PAGE**

PROJECT SUMMARY

EXECUTIVE SUMMARY

1.0 INTRODUCTION 1

1.1 PURPOSE 1
1.2 SCOPE OF WORK 1
1.3 SIGNIFICANT ASSUMPTIONS 1
1.4 SPECIAL TERMS AND CONDITIONS 1
1.5 RELIANCE 2
1.6 DATA GAPS 2

2.0 GENERAL PROPERTY CHARACTERISTICS 2

2.1 PROPERTY LOCATION 2
2.2 ADJACENT PROPERTIES 3
2.3 PROPERTY DESCRIPTION 4
2.4 PROPERTY OPERATIONS 4
2.5 UTILITIES 5

3.0 ENVIRONMENTAL SETTING 5

3.1 REGIONAL PHYSIOGRAPHIC CONDITIONS 5
3.2 SOIL CONDITIONS 6
3.3 GEOLOGIC CONDITIONS 6
3.4 GROUNDWATER CONDITIONS 6

4.0 RESULTS OF INVESTIGATION 7

4.1 PROPERTY VISIT OBSERVATIONS 7
4.1.1 ASTM SCOPE CONSIDERATIONS 8
4.1.1.1 UNDERGROUND STORAGE TANKS 8
4.1.1.2 OIL AND GAS WELLS AND PIPELINES 8
4.1.1.3 ABOVEGROUND STORAGE TANKS 8
4.1.1.4 POLYCHLORINATED BIPHENYL-CONTAINING ELECTRICAL EQUIPMENT 8
4.1.1.5 HYDRAULIC EQUIPMENT 10
4.1.1.6 CHEMICAL, HAZARDOUS MATERIALS, AND RAW MATERIALS STORAGE AND USAGE 10
4.1.1.7 WASTE GENERATION, STORAGE, AND DISPOSAL 11
4.1.1.8 WELLS, SUMPS, PITS, AND FLOOR DRAINS 11
4.1.1.9 STORMWATER RUNOFF AND SURFACE WATER 11
4.1.1.10 LAGOONS, PONDS, SEPTIC SYSTEMS, AND SEPARATORS 12
4.1.1.11 STRESSED VEGETATION, STAINING, AND ODORS 12
4.1.1.12 SURFICIAL DISTURBANCE 12

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4.1.1.13 On-Property Dry Cleaners....13
4.1.2 ASTM Non-Scope Considerations....13
4.1.2.1 Radon....13
4.1.2.2 Lead-Based Paint....13
4.1.2.3 Lead in Drinking Water....13
4.1.2.4 Potential Wetlands....14
4.1.2.5 Air Emissions....14
4.2 Adjacent Property and Vicinity Observation....14
4.3 Results of Regulatory Agency List Review and File Research....14
4.3.1 USEPA Envirofacts....14
4.3.2 Environmental Database Information....15
4.3.3 Local Lists....18
4.3.4 Database Proprietary Lists....19
4.3.5 Transfer Act....19
4.4 Results of Property History and Land Use Review....19
4.4.1 User Provided Information and Responsibilities....19
4.4.2 Historical Property Information....24
4.4.3 Interviews....30
4.4.4 Property Specific Records....31
4.5 Synopsis of Previous Environmental Investigations and Plans....36
4.6 Asbestos-Containing Material....36
4.7 Mold/Water Intrusion....36
5.0 CONCLUSIONS....37
6.0 RECOMMENDATIONS AND OPINIONS OF PROBABLE COST....37
7.0 LIMITATIONS....37
8.0 REFERENCES....38
8.1 Information Sources....38
8.2 Definitions....38
8.3 Acronyms....48
8.4 Purpose....50
8.5 Significant Assumptions....51
8.6 Special Terms and Conditions....51

ATTACHMENT I PROFESSIONAL QUALIFICATIONS

APPENDICES

APPENDIX A FIGURES
- USGS TOPO MAP
- TAX MAP
- WETLAND MAP

APPENDIX B PROPERTY DIAGRAM
APPENDIX C PHOTOGRAPHS
APPENDIX D USER CORRESPONDENCE
APPENDIX E AERIAL PHOTOGRAPHS
APPENDIX F HISTORIC MAPS
APPENDIX G PREVIOUS REPORTS AND PLANS
APPENDIX H CHAIN OF TITLE/ENVIRONMENTAL LIENS
APPENDIX I CORRESPONDENCE
APPENDIX J ENVIRONMENTAL DATABASE
APPENDIX K AHERRA CERTIFICATION

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PROJECT SUMMARY

Client Name/User:	Bank of America, NA	Property Visit Date:	December 2, 2015
Client Contact:	Ms. Lillias Short	Construction Dates:	1993 (distribution warehouse), 2002 (detached electrical building) and 2012 (detached electrical building)
Property Solutions Project No.:	20151992	No. Bldgs./Units:	Three Bldgs./One Unit
Property Solutions Project Manager:	Mr. Donald P. Hessemer, CHMM	No. of Stories:	One story with second and third floor mezzanines
Phone No.:	(732) 417-0999 (Ext. 220)	Bldg. Square Footage:	21,054 s.f.
Email:	DHessemer@propertysolutionsinc.com	Property Acreage:	3.31 acres
Property Name:	SunOpta - Cresco, Iowa	Basement/Slab-on-grade:	Slab-on-grade
Property Address:	616 6th Avenue West	Property Use:	Dry-mill processing of food grade corn and distribution warehousing.
Property Town, County, State:	Cresco, Howard County, IA	Property History:	Agricultural land
Property Identification:	321592200090	Other Improvements:	Eight silos, three hopper bins, two pneumatic conveying systems, one bucket conveyor, one leg tower, and one shed

Our review of general property information, observation of adjacent properties, research of historical property information, including a review of environmental records, and a property visit revealed the following:

	No Issue Identified	REC	CREC	HREC	De Minimis Conditions	ASTM Non-Scope Considerations	Refer to Section
Property Operations	X						2.4
Neighboring Properties	X						2.2
Historical Review	X						4.4.2
Previous Reports	X						4.5
Regulatory Review	X						4.3
USTs	X						4.1.1.1
ASTs	X						4.1.1.3
PCBs	X						4.1.1.4
Chemicals/Hazardous Materials/Raw Materials	X						4.1.1.6
Waste Generation/Disposal	X						4.1.1.7
Stressed Vegetation, Staining, and Odors	X						4.1.1.11

	No Issue Identified	REC	CREC	HREC	De Minimis Conditions	ASTM Non-Scope Considerations	Refer to Section
Surficial Disturbances	X						4.1.1.12
ACMs	X						4.6
Radon	X						4.1.2.1
Lead-Based Paint	X						4.1.2.2
Lead in Drinking Water	X						4.1.2.3

Notes: To understand the property and report, you must read the complete report.

We have performed a Phase I Environmental Assessment in conformance with the scope and limitations of ASTM Practice E 1527-13 of SunOpta - Cresco, Iowa located at 616 6th Avenue West in Cresco, Howard County, Iowa 52136. Any exceptions to, or deletions from, this practice are described in Section 1.0 of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the subject property.

EXECUTIVE SUMMARY

Property Solutions Incorporated (Property Solutions) conducted a Phase I Environmental Assessment of SunOpta - Cresco, Iowa located at 616 6th Avenue West in Cresco, Howard County, Iowa 52136 (subject property) at the request of Bank of America, NA.

The subject property consists of a near-square-shaped, 3.31-acre parcel of land located on the north side of 6th Avenue West, east of the intersection of 6th Avenue West and 7th Street West. The subject property is improved with three, one-story, steel warehouse buildings constructed in 1993 (industrial / warehouse building), 2002 (detached electrical building) and 2012 (detached electrical building). The industrial / warehouse building has second and third floor mezzanines. The subject property is also improved with eight silos, three hopper bins, two pneumatic conveying systems, one bucket conveyor, one leg tower, and one shed, all of which are located at the northeast portion of the property. The remaining portions of the subject property are covered with the associated paved parking areas, lawn areas, and landscaping. No water bodies are located on the subject property. No water bodies are located on the adjoining properties. Vehicular access to the subject property is gained via 6th Avenue West along the southern side of the subject property.

The subject buildings consist of steel construction with a slab-on-grade ground floor. The gross area of the subject buildings is approximately 21,054 square feet. The industrial / warehouse building contains one space which is entirely occupied by SunOpta. The interior wall finishes include steel panels and painted plaster. Interior floor finishes include bare concrete slab, 12"x12" ceramic tile, carpet, and 12"x12" vinyl tile. The ceiling finishes include exposed steel structure and textured ceiling. The subject industrial / warehouse building also contains a lobby area, office space, warehouse space, milling room, extruder room, kitchen, mechanical rooms and maintenance rooms. No renovations were reported. The subject industrial / warehouse buildings are heated and cooled by electricity and natural gas.

The subject property was historically used as agricultural land.

We have performed a Phase I Environmental Assessment in conformance with the scope and limitations of ASTM Practice E 1527-13 of SunOpta - Cresco, Iowa located at 616 6th Avenue West in Cresco, Howard County, Iowa 52136. Any exceptions to, or deletions from, this practice are described in Section 1.0 of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the subject property.

1.0 INTRODUCTION

Property Solutions Incorporated (Property Solutions) conducted a Phase I Environmental Assessment of SunOpta - Cresco, Iowa located at 616 6th Avenue West in Cresco, Howard County, Iowa 52136 (subject property) at the request of Bank of America. Bank of America is considered the User, as defined in ASTM E 1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. The subject property is identified as parcel 321592200090, according to the Howard County Tax Assessor.

A property location map is included in Appendix A.

This Phase I Environmental Assessment was conducted in general accordance with Bank of America, NA's General Services Agreement Number CW481009 dated November 12, 2013. The work was authorized by the Standard Engagement Letter (SEL) dated November 18, 2015 for BOA Project Number – 15-009127-ENV02-001

Per the ASTM practice and throughout this report, the Client will be considered the same as the User in the ASTM E 1527-13 practice.

1.1 Purpose

The purpose of a Phase I Environmental Assessment is to evaluate issues that may have an impact on the subject property and to meet the purpose of Bank of America, NA's General Services Agreement Number CW481009 dated November 12, 2013 and the ASTM E 1527-13 practice. The purpose is further described in Section 8.4. This report is for the purpose of determining whether to make a loan evidenced by a note secured by the property.

1.2 Scope of Work

This Phase I Environmental Assessment was conducted in accordance with Bank of America, NA's General Services Agreement Number CW481009 dated November 12, 2013.

1.3 Significant Assumptions

The significant assumptions made by Property Solutions in this report are per Bank of America, NA's General Services Agreement Number CW481009 dated November 12, 2013, ASTM E 1527-13 practice, and as described further in Section 8.5.

1.4 Special Terms and Conditions

This Phase I Environmental Assessment was prepared in accordance with the stated and agreed upon Scope of Work. This Phase I Environmental Assessment was prepared in accordance with Bank of America, NA's General Services Agreement Number CW481009 dated November 12, 2013. Special terms and conditions are described in Section 8.6.

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1.5 Reliance

Bank of America, N.A., its employees, agents, successors and assigns may rely upon this report in evaluating a request for an extension of credit to be secured by the subject property. This report may also be used and relied upon by (a) any additional lender extending credit to be secured by the subject property (the credit to be extended by Bank of America, N.A. and such additional lender is referred to as the (Mortgage Loan") and (b) any actual or prospective purchaser, transferee, assignee, or servicer of the Mortgage Loan (or any portion thereof), any actual or prospective investor (including agent or advisor) in any securities evidencing a beneficial interest in or backed by the Mortgage Loan (or any portion thereof), any rating agency actually or prospectively rating any such securities, any indenture trustee, and any institutional provider(s) from time to time of any liquidity facility or credit support for such financing. In addition, this report or a reference to this report may be included or quoted in any offering circular, private placement memorandum, registration statement or prospectus and Property Solutions agrees to cooperate in answering questions by any of the above parties in connection with a securitization or transaction involving the Mortgage Loan (or any portion thereof) and/or such securities. This report has no other purpose and should not be relied upon by any other person or entity.

1.6 Data Gaps

The following data gaps were identified during this Phase I Environmental Assessment:

- User provided information and responsibilities
- Historical information
- Interview with property owner
- Environmental records

Specific information concerning data gaps are presented in each applicable section of this report.

None of the above data gaps are considered significant.

2.0 GENERAL PROPERTY CHARACTERISTICS

2.1 Property Location

Property Location	
Property Name	SunOpta - Cresco, Iowa
Property Address	616 6th Avenue West
Property Town, County, State, Zip	Cresco, Howard County, Iowa 52136
Property Tax Identification	321592200090 (Howard County Tax Assessor)

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Property Location	
Property Topographic Quadrangle	Cresco NW, Iowa
Nearest Intersection	6th Avenue West and 7th Street West
Area Description	Rural, residential, industrial, institutional

An excerpt from the USGS 7.5-minute series topographic quadrangle map of Cresco NW, Iowa, locating the subject property, is included in Appendix A.

2.2 Adjacent Properties

Review of neighboring properties from the subject property and from public thoroughfares, and research of available information regarding the neighboring properties, were performed to identify evidence of environmental concerns that could adversely impact the subject property. The subject property is located in a residential and industrial area of Cresco, Iowa.

Direction	Property	Address	Operations
North	Featherlite Trailers	544-614 6th Avenue West	All-aluminum trailer manufacturer
South	Single Family Homes	629, 627, 625 6th Avenue West	Residential
East	Agricultural land	Along 6th Avenue West	Farming
	Alert Manor	511 Alert Manor Drive	Multifamily Homes
West	Featherlite Trailers	544-614 6th Avenue West	All-aluminum trailer manufacturer
	Howard County Fairgrounds	Along 6th Avenue West & 7th Street West	Recreational

Based on a review of neighboring properties from the subject property and from public thoroughfares, the neighboring properties do not appear to be of the type likely to pose a significant threat to the environmental condition of the subject property. The neighboring properties were not listed in the environmental database reviewed or Envirofacts, with the exception of Feather lite Trailers located at 816 7th Street West which was listed as a RCRA Small Quantity Generator in the environmental data base and is listed under the Hazardous Waste Handler and AIRS Programs in Envirofacts. This property is further discussed in Sections 4.3.1 and 4.3.2.

Based upon a review of the environmental database, the neighboring properties are not listed as having a known, suspected, or documented release; therefore, no further action is warranted at this time.

A property diagram including neighboring properties is included in Appendix B. Photographs including the neighboring properties are included in Appendix C.

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2.3 Property Description

Property Information	
Property Ownership Name	Sun Rich Inc. (Howard County Tax Assessor)
Date of Acquisition	Not provided (Howard County Tax Assessor)
Property Acreage	3.31 acres (Howard County Tax Assessor)
Property Shape	Square
Property Use	Dry-mill processing of food grade corn and distribution warehousing
Number of Buildings	Three
Number of Stories	One story with second and third floor mezzanines
Construction Dates	1993 (distribution warehouse), 2002 (office) and 2012 (office) (Howard County Tax Assessor)
Building Square Footage	21,054 square feet (Howard County Tax Assessor)
Basement/Slab-on-grade	Slab-on-grade
Number of Units	One
Ceiling Finishes	Exposed steel structure and textured ceiling
Floor Finishes	Poured concrete, 12"x12" ceramic tile, carpet and 12"x12" vinyl tile
Wall Finishes	Steel panels and painted plaster
HVAC (Energy Source & Type of System)	Electricity and natural gas
Renovation Date	None reported
Renovation Description	Not applicable
Vehicular Access	Via 6th Avenue West
Other Improvements	Eight silos, three hopper bins, two pneumatic conveying systems, one bucket conveyor, one leg tower, and one shed
Property Coverage	Footprint of the subject buildings, product storage and disposal silos, associated parking areas, lawn areas and silos

A property diagram of the subject property is included in Appendix B.

2.4 Property Operations

SunOpta is a company focused on organic, non-genetically modified, specialty foods that utilizes the subject property for dry-mill processing of food grade corn and distribution warehousing.

The distribution warehouse contains electric extruding and milling equipment. As a part of the dry-mill process, SunOpta de-germinates the incoming corn and breaks the product down into different fractions for customers. All equipment is electric powered with the exception of the boiler in the extruder which is powered by natural gas. The extruder boiler is utilized to heat water for cleaning the corn and in floor heat. According to Ms. Julie Dietzenbach, Plant Manager

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of SunOpta no tempering system is used. In addition, no chemicals are used during the extruding or milling processes.

Unused corn/feed that is ready for disposal is stored in two silos outside the north end of the subject building; each silo can hold approximately 250,000 pounds. Incoming raw corn is stored in four silos, outside the northeasterly side of the subject property; the silos can hold a range of 1 million pounds to 150,000 pounds each. In addition, outgoing finished products are stored in two silos, outside the northeasterly side of the subject property; each silo can hold approximately 250,000 pounds. All silos are vacuum fed.

No environmental concerns were identified at the subject property based on the operations observed during the property visit.

2.5 Utilities

Property Solutions was informed by Ms. Julie Dietzenbach, Plant Manager of SunOpta, that the following companies and municipality or authorities currently provide utility services to the subject property:

Utility	Provider
Electricity	Alliant Energy
Natural Gas	Black Hills Energy
Sanitary Sewerage	City of Cresco
Potable Water	City of Cresco
Solid Waste Removal	City of Cresco/Hawkeye Sanitation
Fuel Oil	Not provided to subject property
Steam	Not provided to subject property

3.0 ENVIRONMENTAL SETTING

3.1 Regional Physiographic Conditions

Topographic Quadrangle Name	Cresco NW, Iowa
Property Elevation	Approximately 1290 feet above mean sea level
Surface Gradient	General northwest
Property Drainage	Percolation through ground surface and surface flow to adjacent streets/properties
Regional Drainage	Towards the Turkey River located approximately 3 miles southwest of the subject property.
Closest Perennial Water body	Turkey River located approximately 3 miles southwest of the subject property.

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A copy of the USGS 7.5-minute series topographic quadrangle map of Cresco NW, Iowa, is included in Appendix A.

3.2 Soil Conditions

USDA County Soil Survey	
Information Source	NRCS Web Soil Survey
Date of Information Source	November 24, 2015
Soil Name	Rockton loam
Description: Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures. Well drained; soils have intermediate water holding capacity	
Expected depth to bedrock	20-40 inches

3.3 Geologic Conditions

Information Source	EDR Radius Report
Title of Publication	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
Date of Publication	1994
Name of Unit	Des Moinesian Series
Description of Unit: Stratified Sequence in the Pennsylvanian system of the Paleozoic era	

3.4 Groundwater Conditions

Information Source	Iowa Geological Survey, United States Geological Survey
Title of Publication	Jordan Aquifer of Iowa
Date of Publication	1978
Underlying Aquifer	Jordan Aquifer
Description: The Jordan aquifer consists of two sandstone units separated by a dolomite unit. The total thickness of the aquifer ranges from about 400 to 450 feet in east-central and southeastern Iowa to about 150 feet or less in western Iowa.	

Expected Depth to Shallow Groundwater	Approximately 40 feet
Information Source	USGS 7.5-minute series topographic quadrangle map of Cresco NW, Iowa
Expected Direction of Shallow Groundwater Flow	Northwest
Information Source	USGS 7.5-minute series topographic quadrangle map of Cresco NW, Iowa

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4.0 RESULTS OF INVESTIGATION

4.1 Property Visit Observations

Property Visit Date	December 2, 2015
Property Solutions Personnel and Title	Michelle O'Brien, Environmental Scientist
Property Escort Name	Ms. Julie Dietzenbach
Property Escort Title	Plant Manager
Property Escort Company	SunOpta
Property Escort Affiliation	Key Site Manager
Property Escort Years of Association with Subject Property: 1995- present	
The presurvey questionnaire (PQ) was completed.	
Person Completing PQ Name	Ms. Julie Dietzenbach
Person Completing PQ Company	SunOpta
Person Completing PQ Affiliation	Key Site Manager
Inaccessible Areas and Reason: None	
Weather Conditions: Sunny	Approximate Temperature: 35 degrees F
Weather conditions presented limited observations.	
Describe Limiting Conditions Present: Snow coverage on outside perimeter of building.	

Property Solutions observed the following areas during the property visit:

- Common areas
- The office area of the subject building, including: offices, visitor check-in area, restrooms, kitchen and conference room on the second floor.
- The distribution warehouse area with a product storage area, milling area with access to three story decks, second story mezzanine storage room, maintenance room, extruder room, bagging room and electrical utility room.
- Two detached electrical utility and storage buildings.
- Exterior grounds including the periphery of the subject property and subject buildings
- Adjoining properties from public rights-of-way

Property Solutions did not make observations under floors, above ceilings, or behind walls.

Photographs taken during the property visit are included in Appendix C.

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4.1.1 ASTM Scope Considerations

4.1.1.1 Underground Storage Tanks

No evidence of underground storage tanks (USTs) was observed on the subject property during the property visit. Ms. Dietzenbach was not aware of USTs on the subject property.

Based upon the above information, no further action is recommended.

4.1.1.2 Oil and Gas Wells and Pipelines

No evidence of existing or historic high pressure natural gas or liquid petroleum transmission pipelines or wells was observed on the Subject Property. Review of available property maps and other research materials did not reveal the presence of existing or historic easements for high pressure natural gas or liquid petroleum transmission pipelines or wells on the Subject Property.

No further action is recommended.

4.1.1.3 Aboveground Storage Tanks

No aboveground storage tanks (ASTs) were observed on the subject property during the property visit. Ms. Dietzenbach was not aware of ASTs on the subject property. However, unused corn/feed that is ready for disposal is stored in two silos outside the north end of the subject building; each silo can hold approximately 250,000 pounds. Incoming raw corn is stored in four silos, outside the northeasterly side of the subject property; the silos can hold a range of 1 million pounds to 150,000 pounds each. In addition, outgoing finished products are stored in two silos, outside the northeasterly side of the subject property; each silo can hold approximately 250,000 pounds. All silos are vacuum fed.

Based upon the above information, no further action is recommended.

4.1.1.4 Polychlorinated Biphenyl-Containing Electrical Equipment

A visual review was conducted for the presence of electrical equipment that could contain polychlorinated biphenyls (PCBs), an environmentally regulated material used in dielectric fluid in some electrical equipment. Alliant Energy provides electrical service to the subject property.

The following table identifies the transformers observed on the subject property during the property visit:

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Transformer No.	Location	Pad/Pole-Mounted	Owner	PCB Labels	Utility Company Markings	Staining/ Leaking
1	Northwesterly side of main distribution warehouse	Pad	Alliant Energy	No	Yes	No
2	Southerly side of detached electrical utility building located on the easterly side of the subject property.	Pad	Alliant Energy	No	Yes	No

Since the transformers are owned by Alliant Energy based upon observed markings and labels, and no spills or leaks were observed in the area of the transformers, these transformers are not expected to be an environmental concern at the subject property.

Per 40 CFR 761.20 PCBs at concentrations of 50 ppm or greater, or PCB Items with PCB concentrations of 50 ppm or greater, sold before July 1, 1979, for purposes other than resale may be distributed in commerce only in a totally enclosed manner after that date.

Per 15 USC Chapter 53, Subchapter I, Section 2605(e)(2)(A), except as provided under subparagraph (B), effective one year after January 1, 1977, no person may manufacture, process, or distribute in commerce or use any polychlorinated biphenyl in any manner other than in a totally enclosed manner and (i) no person may manufacture any polychlorinated biphenyl after two years after January 1, 1977, and (ii) no person may process or distribute in commerce any polychlorinated biphenyl after two and one-half years after such date.

Based on the date of construction (1993, 2002 & 2012) of the subject buildings, the transformers are not expected to contain PCBs.

Property Solutions contacted Alliant Energy via letter to learn whether the transformers on the subject property are owned by Alliant Energy. At the time of this report, Property Solutions had not received a response from Alliant Energy. Upon receipt, Property Solutions will forward this information in an addendum to this report.

A dry-type transformer was observed in the electrical utility room located in the distribution warehouse. This transformer is not expected to pose a threat to the environmental condition of the subject property, due to the absence of liquid coolant.

Based upon the above information, PCB-containing electrical equipment is not expected to be an environmental concern at this time. No further action is recommended at this time.

No capacitors or large switch gear equipment were observed on the subject property during the property visit.

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Based upon the above information, no further action is recommended.

4.1.1.5 Hydraulic Equipment

No evidence of hydraulic equipment was observed on the subject property during the property visit. Ms. Dietzenbach was not aware of hydraulic equipment on the subject property with the exception of two Caterpillar Hawker Powerline forklifts located in the bagging room. According to Ms. Dietzenbach the forklifts are maintained by an outside private servicing company. Ms. Dietzenbach was unable to provide the name of the company during the time of the property visit.

Based on the dates of construction (1993, 2002 & 2012) of the subject buildings, the hydraulic equipment is not expected to contain PCBs.

Based upon the above information, hydraulic equipment is not expected to be an environmental concern at this time. No further action is recommended at this time.

4.1.1.6 Chemical, Hazardous Materials, and Raw Materials Storage and Usage

The following materials were observed to be stored and used on the subject property during the property visit:

Materials Storage

Material	Location	Container Type/Capacity	Quantity	Leaks/Spills	MSDS	Secondary Containment
Aeon PD-FG Synthetic Lubricant	Distribution warehouse maintenance shop	17 oz. plastic bottle	10	No	Yes	Flammables storage cabinet
Miscellaneous synthetic lubricants	Distribution warehouse maintenance shop	Various	Various	No	Yes	Flammables storage cabinet
Ultra FG Synthetic Rotary Lubricant	Distribution warehouse maintenance shop	5 gallon plastic container	2	No	Yes	Flammables storage cabinet

Containers found on the subject property during the property visit were observed to have no leaks or spills, and appeared to be properly stored. The chemicals observed at the subject property during the property visit are not expected to have adversely impacted the environmental condition of the subject property.

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During the property visit, Ms. Dietzenbach provided Property Solutions with the current MSDS sheets for the materials stored on the subject property.

Based upon the above information, the chemicals stored and used on the subject property are not expected to be environmental concerns at this time. No further action is recommended.

4.1.1.7 Waste Generation, Storage, and Disposal

Solid waste generated at the subject property consisted of domestic municipal waste and recyclable materials. In addition, unused corn/feed that is ready for disposal is stored in two silos that can hold approximately 250,000 pounds each outside the north end of the subject building. Solid waste at the subject property is stored in dumpsters located on the subject property. Municipal solid waste generated at the subject property is removed by the City of Cresco and Hawkeye Sanitation. Sanitary waste generated at the subject property is discharged to the City of Cresco sanitary sewerage system.

No evidence of hazardous waste generation, storage, or disposal was observed during the property visit. Ms. Dietzenbach was not aware of hazardous waste generation on the subject property.

Based upon the above information, no further action is recommended.

4.1.1.8 Wells, Sumps, Pits, and Floor Drains

No wells, sumps, or pits were observed on the property during the property visit. Ms. Dietzenbach was not aware of wells, sumps, or pits on the subject property.

Floor drains were located in the extruder room, kitchen area and restrooms. No staining was observed around or near the drains. Chemical storage was not observed in the proximity of the floor drains. According to Ms. Dietzenbach, the floor drains discharge to the sanitary sewer system. No concerns were identified with regard to the floor drains located in the subject building.

Based upon the above information, no further action is recommended.

4.1.1.9 Stormwater Runoff and Surface Water

The subject property is improved with the footprints of the subject buildings and associated paved parking areas. The remainder of the subject property consists of limited landscaped areas and silos. Stormwater runoff is expected to exit the subject property via overland flow and enter the municipal stormwater collection system via storm drains located within the subject property's parking areas and along local roadways. Stormwater is also expected to percolate through the landscaped areas.

The 1972 Amendments to the Federal Water Pollution Control Act (commonly known as the Clean Water Act [CWA]) prohibit the discharge of any pollutant to waters of the United States from a point source unless the discharge is authorized by a National Pollutant Discharge Elimination System (NPDES) permit. In 1987, the CWA was again amended by Congress to require implementation of a comprehensive national program for addressing problematic non-agricultural, non-point sources of stormwater discharge. The rules and regulations of the NPDES program are included in 40 CFR 122.26.

Stormwater permitting for a property is based on the property's Standard Industrial Classification (SIC) Code (category of industrial activity). However, the NPDES program includes a "no exposure" exemption for facilities within an applicable category of industrial activity. Based on 40 CFR 122.26 B(14), the subject property must obtain an NPDES Stormwater Discharge Permit only if material handling equipment or activities, raw materials, intermediate products, final products, waste materials, by-products, or industrial machinery is exposed to stormwater. As materials and activities described above are not associated with the subject property, stormwater permitting is not expected to be applicable at this time.

No surface water bodies (i.e., springs or swamps) were observed on the subject property.

Based upon the above information, stormwater runoff and surface water are not expected to be environmental concerns at this time. No further action is recommended at this time.

4.1.1.10 Lagoons, Ponds, Septic Systems, and Separators

No evidence of lagoons, ponds, septic systems, or separators was observed on the subject property during the property visit.

Based upon the above information, no further action is recommended.

4.1.1.11 Stressed Vegetation, Staining, and Odors

No evidence of stressed vegetation, staining, or odors was noted on the subject property during the property visit.

Based upon the above information, no further action is recommended.

4.1.1.12 Surficial Disturbance

No evidence of surficial disturbances was observed on the subject property during the property visit.

Based upon the above information, no further action is recommended.

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4.1.1.13 On-Property Dry Cleaners

No dry cleaning operations were observed at the subject property at the time of the property visit. Ms. Dietzenbach was not aware of dry cleaning operations at the subject property.

No dry cleaners were identified during the historical review of the subject property. Ms. Dietzenbach was unaware of historical dry cleaning operations at the subject property.

4.1.2 ASTM Non-Scope Considerations

4.1.2.1 Radon

The subject property is located in Zone 1 (Highest Potential), per the USEPA's Map of Radon Zones. According to the Federal Area Radon Information for Howard County, **7** canisters were placed at locations in Howard County. The mean value was 6.957 picoCuries per Liter (pCi/L) in basements. The USEPA action level is 4.0 pCi/L.

Based on the non-residential use and slab-on-grade construction of the subject building, no further action regarding radon is recommended at this time.

4.1.2.2 Lead-Based Paint

Based on the dates of construction of the subject buildings (1993, 2002, 2012), it is unlikely that lead-based paints (LBPs) were used during building construction. Painted surfaces within the subject building were generally observed to be in good condition.

Based upon the above information, LBP is not expected to be an environmental concern at this time. No further action is recommended.

4.1.2.3 Lead in Drinking Water

Drinking water for the subject property is provided by The City of Cresco Water Department. The City of Cresco Water Department was required to perform system-wide lead screening of their water system starting in 1992, under the USEPA "Lead and Copper Regulations" (Federal Register Volume 56, No. 26460). These regulations, promulgated in June 1991, require public water systems to perform screening and provide for public notification and corrective action to reduce the lead hazards present in the water system.

A review of the 2015 Water Quality Report published by the City of Cresco Water Department informed Property Solutions that the City of Cresco public water supply has met the 90th percentile for the lead action level of 15 parts per billion (ppb), and is currently in compliance with the USEPA's Lead and Copper Regulations.

Based upon analytical results and limited sampling, lead in drinking water was not identified as an environmental concern at this time.

4.1.2.4 Potential Wetlands

No evidence of wetland areas was observed on the subject property during the property visit. Review of the United States Department of the Interior, National Wetland Inventory map of Cresco NW, Iowa, revealed that no delineated wetlands are located on the subject property.

Based upon the above information, wetland areas are not expected to be an environmental concern at this time.

A copy of the wetland map is included in Appendix A.

4.1.2.5 Air Emissions

No major air emissions sources were identified at the subject property during the property visit.

Based upon the above information, air emissions are not considered a significant environmental concern at this time. No further action is warranted at this time.

No indoor air quality complaints were reported during the investigation by the User, Key Site Manager or occupants interviewed.

4.2 Adjacent Property and Vicinity Observation

Review of neighboring properties from the subject property and from public thoroughfares, and research of available information regarding the neighboring properties, were performed to identify evidence of environmental concerns that could adversely impact the subject property. The subject property is located in a residential and industrial area of Cresco, Iowa.

Based on a review of neighboring properties from the subject property and from public thoroughfares, the neighboring properties do not appear to be of the type likely to pose a significant threat to the environmental condition of the subject property. The neighboring properties were not listed in the environmental database reviewed or Envirofacts. The adjacent properties are further discussed in Section 2.2.

4.3 Results of Regulatory Agency List Review and File Research

4.3.1 USEPA Envirofacts

Property Solutions contacted the United States Environmental Protection Agency (USEPA) through an on-line search via the Internet to obtain information concerning the subject property. Property Solutions performed a search of Envirofacts, a USEPA-generated website that

integrates data extracted from five major USEPA program systems: Aerometric Information Retrieval System (AIRS)/AIRS Facility Subsystem (AFS), Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS), Permit Compliance System (PCS), Resource Conservation and Recovery Information System (RCRIS) and Toxic Chemical Release Inventory System (TRIS), using two integrating databases: Facility Index System (FINDS) and Envirofacts Master Chemical Integrator (EMCI).

Property Solutions generated a printout of all facilities under the programs identified above that are located within the subject property's zip code (52136). The subject property was not listed among the sites identified during the query search. However, adjoining property, 816 7th Street West was listed among the sites identified during the query search. The query was executed on December 4, 2015. The following tables summarize the listings for the adjoining property.

Hazardous Waste Handler

Listing Type	Facility Name	Address	USEPA ID No.	Handler/Facility Classification
Adjoining Property	Featherlite Inc	816 7th Street West	IA0000229633	Small Generator 336212 (Truck Trailer Manufacturing) & 326199 (All Other Plastics Product Manufacturing)

Air Release Reported

Listing Type	Facility Name	Address	Compliance System Plant ID No.	Compliance Status	Class Code
Adjoining Property	Featherlite Inc	816 7th Street West	45-01-009	3 (In Compliance)	SM

A copy of the search results is included in Appendix I.

4.3.2 Environmental Database Information

As part of the Phase I Environmental Assessment, Property Solutions utilized Environmental Data Resources, Inc. (EDR) of Shelton, Connecticut, as an information source for regulatory agency environmental database records. The environmental database was dated November 20, 2015.

Data supplied by EDR is included in Appendix J. This database also includes the required documentation of sources checked as per Section 8.1.8 of the ASTM standard.

The following summary of the database information is divided into two columns. The first column lists sites as identified and located by EDR within the specified distance of the subject property. The second column lists orphan sites, which could not be located by EDR due to

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incomplete and/or inaccurate address information included in the United States Environmental Protection Agency (USEPA)/state databases, which Property Solutions identified as potentially lying within the search distance.

Although the exact locations of the orphan sites are frequently unknown, Property Solutions attempts to evaluate the potential adverse environmental impact that these sites may have on the subject property. This evaluation consists of reviewing street names in an effort to learn whether the street on which the site is located lies within the search distance of the subject property, a drive-by view of surrounding properties during the site visit, and evaluating the site type and information provided by government agencies. The orphan sites included in the following table are those Property Solutions identified as potentially located within the identified search distance. A complete list of sites is included in Appendix J.

Environmental Database Summary

Database	Search Distance	Plottable	Orphan
National Priorities List	1 Mile	0	0
State/Tribal Hazardous Waste Sites	1 Mile	0	0
RCRA Corrective Action Treatment/Storage/ Disposal (TSD) Facilities (CORRACTS)	1 Mile	0	0
Delisted National Priorities List	½ Mile	0	0
CERCLIS Sites	½ Mile	0	0
CERCLIS No Further Remedial Action Planned (NFRAP) Sites	½ Mile	0	0
RCRA Non-Corrective Action TSD Facilities	½ Mile	0	0
State/Tribal Voluntary Cleanup Sites	½ mile	0	0
State/Tribal Brownfield Sites/CERCLIS Equivalent	½ mile	0	0
State/Tribal Leaking Registered Storage Tank Sites	½ Mile	4	0
State/Tribal Solid Waste Landfill Sites/Facilities	½ Mile	1	0
Historic Landfills	½ Mile	0	0
Federal/State/Tribal Engineering Controls Registries	½ Mile	0	0
Federal/State/Tribal Institutional Controls Registries	½ Mile	0	0
RCRA Large Quantity Generators	Subject Property and Adjoining Properties	0	0
RCRA Small Quantity Generators	Subject Property and Adjoining Properties	1	0
RCRA Non Generators	Subject Property and Adjoining Properties	0	0
State/Tribal Registered Storage Tank Sites	Subject Property and Adjoining Properties	0	0
Manifest	Subject Property	0	0

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Database	Search Distance	Plottable	Orphan
Spill/Release Sites	Subject Property	0	0
Facility Index System(FINDS)	Subject Property	0	0
Emergency Response Notification System	Subject Property	0	0

Database Summary

A complete copy of the database report is attached as an appendix to this report. Those sites noted within the search distance with a closed status from regulators, or not listed with known, documented, or suspected release sites will not be discussed below but can be referred to in the database report. The above sites are not expected to significantly impact the subject property based on the regulatory status listed. In addition, those remaining sites which are expected to be hydraulically downgradient, at a sufficient distance from the subject property, or due to the urban setting and density of the area, will not be discussed below but can be referred to in the database report. These above sites are not expected to significantly impact the subject property based on the above factors and as per ASTM E 1527-13.

The following is a discussion of the database findings:

Subject and Adjoining Properties

The subject property was not listed in the environmental database. The adjacent property Featherlite Trailers located at 816 7th Street West was listed as a RCRA Small Quantity Generator. Further information regarding this listing is provided below.

Per ASTM 1527-13, if the property or any of the adjoining properties is identified on one or more of the standard environmental record sources in 8.2.1, pertinent regulatory files and/or records associated with the listing should be reviewed in accordance with 8.1.1 through 8.1.8. The purpose of the regulatory file review is to obtain sufficient information to assist the environmental professional in determining if a recognized environmental condition, historical recognized environmental condition, controlled recognized environmental condition, or a de minimis condition exists at the property in connection with the listing. If, in the environmental professional's opinion, such a review is not warranted, the environmental professional must explain within the report the justification for not conducting the regulatory file review. As an alternative, the environmental professional may review files/records from an alternative source(s).

Record information that is not publically available, obtainable within reasonable cost and time constraints, or practically reviewable is considered as being not reasonably ascertainable and is beyond the scope of the Phase I Environmental Assessment. Record information that costs greater than $125 to obtain or requires more than two hours of environmental scientist time to obtain and review is beyond the scope of the Phase I Environmental Assessment.

Resource Conservation and Recovery Act Small Quantity Generator

The Small Quantity Generator Site is:

1.	Site Name:	Featherlite Trailers
	Address:	816 7th Street West Cresco, IA 52136
	Facility ID No.:	IA0000229633
	Distance:	0.007 mile
	Direction:	West
	Gradient:	Upgradient
	Reported Waste Codes:	D001 (Ignitable Waste); D005 (Barium); D007 (Chromium); D009 (Mercury); D035 (Methyl Ethyl Ketone); F003 (Spent Nonhalogenated Solvents); F005 (Spent Nonhalogenated Solvents) and UOIL
	Violations:	This facility has received notices of violations; however, all violations have received an action satisfied (case closed) status.

The potential for obvious vapor encroachment from volatile organic compounds and petroleum products on the subject property or from nearby properties listed in the above databases with known or suspected releases was evaluated.

No activity and use limitations at the subject property indicating vapor encroachment was identified during this assessment.

Based on standard sources reviewed in Section 4.0 and observations made during the property visit, no significant release of chemicals of concern has occurred on the subject property. No significant releases of chemicals of concern have occurred on the adjacent properties.

Based on the above information, no further action is recommended at this time regarding potential vapor encroachment at the subject property.

4.3.3 Local Lists

The below local types of records were researched or requested from third parties, the Key Site Manager or local regulatory agencies:

- Local Brownfield Lists
- Local Lists of Landfill/Solid Waste Disposal Sites
- Local Lists of Hazardous Waste/Contaminated Sites
- Local Lists of Registered Storage Tanks
- Local Land Records (For AULs)
- Records of Emergency Release Reports

- Records of Contaminated Public Wells

The above information is discussed in Sections 4.3.1, and 4.4.4 and was duplicative of those sections.

4.3.4 Database Proprietary Lists

The subject property and adjoining properties were not listed in the EDR proprietary information searched in the EDR database.

4.3.5 Transfer Act

There is not an applicable Transfer Act for the subject property in the State of Iowa.

4.4 Results of Property History and Land Use Review

4.4.1 User Provided Information and Responsibilities

This section is to describe tasks to be performed by the User. The "All Appropriate Inquiries" (AAI) Final Rule (40 CFR Part 312) requires that these tasks be performed by or on behalf of a party seeking to qualify for an LLP to CERCLA liability. While such information is not required to be provided to the environmental professional, the environmental professional shall request that the user provide the results of these tasks as such information can assist the environmental professional in identifying recognized environmental conditions.

Per the ASTM standard, the environmental professional shall note in the report whether or not the User has reported to the environmental professional information pursuant to Section 6 of the ASTM standard.

Bank of America (User) is performing the Phase I Environmental Assessment for determining whether to make a loan evidenced by a note secured by the property and not for pre-purchase due diligence.

Since Bank of America has only recently become involved with the subject property, their knowledge of the subject property and environmental conditions is limited to information provided by the mortgage broker, previous investigations provided by the borrower broker, and by the borrower. Therefore, it is not expected that data gaps created by unanswered questions of the User (Bank of America) are significant. It is expected that Bank of America has facilitated interviews and information exchange with those knowledgeable of the property as best as possible.

There is a specific exemption, the so-called "lender liability" exemption, for a person, who without participating in the management of a facility, holds indicia of ownership primarily to protect his or her security interest in the vessel or facility (42 USC 9601(20)(A)(iii)).

In September 1996, Congress passed the Asset, Conservation, Lender Liability, and Deposit Insurance Act [Title II, Subtitle E, Sections 2502-2505 of the 1996 Omnibus Appropriations bill]. Reportedly, under the act, lenders that do not exercise decision making control over the property during the term of the loan will not risk federal liability.

User Questionnaire

The User has chosen not to complete the questionnaire citing a lack of pertinent knowledge of the environmental condition of the property in their role solely as a secured creditor. As Bank of America has no specific knowledge of the property unless otherwise noted and operations, they requested the consultant pursue this information.

A Key Site Manager Questionnaire was submitted to Ms. Julie Dietzenbach (key site manager) to be completed prior to the property visit.

Contact Company	SunOpta
Contact Name	Ms. Julie Dietzenbach
Contact Title	Plant Manager
Phone/Fax/Email	563-547-5827/563-547-5920/Julie.Dietzenbach@sunopta.com
Contact Date	November 24, 2015
Request Medium	Email
Questionnaire completed?	YES
Completed by?	Ms. Julie Dietzenbach
Response Date	November 24, 2015
Form of Response	Email
Was the questionnaire completed and returned prior to the property visit?	YES

Summary of information provided in questionnaire: Ms. Dietzenbach was not aware of any environmental concerns associated with the subject property.

The completed Key Site Manager Questionnaire and correspondence are included in Appendix D - User Correspondence.

As Bank of America did not complete the User Questionnaire, per the ASTM standard, this is considered a data gap; however, the data gap is not considered significant.

Title and Judicial Records

Per ASTM E 1527-13 Section 6.2, the User is required to provide and/or report to the environmental professional any environmental liens or activity and use limitations (AULs) so identified for the subject property. The environmental professional per the ASTM practice is not responsible to undertake a review of recorded land title records and judicial records for environmental liens or activity and use limitations.

No title records or information was provided to Property Solutions by the User.

The User did not request Property Solutions to coordinate with a title company or title professional to undertake a review of Recorded Land Title records and judicial records for environmental liens or AULs.

Therefore, no title records were searched and no information was provided for environmental liens and AULs which is the responsibility of the User. Per the ASTM standard this is considered a data gap.

Environmental Liens or Activity and Use Limitations

Per ASTM E 1527-13, to meet the requirements of AAI, the User is required to provide and/or report to the environmental professional any environmental liens or AULs so identified for the subject property. The environmental professional per the ASTM practice is not responsible to undertake a review of information to identify environmental liens or AULs.

The User did not provide information on environmental liens and AULs. The User is not aware of environmental liens or AULs.

The User is not the owner, operator, prospective purchaser or tenant of the subject property.

The owner representative and key site manager knew of no environmental liens or AULs for the subject property.

Knowledge of the User

Per the ASTM standard, the Users must take into account their specialized knowledge to identify conditions indicative of releases or threatened releases. If the user has any specialized knowledge or experience that is material to recognized environmental conditions in connection with the property, the user should communicate any information based on such specialized knowledge or experience to the environmental professional. The user should do so before the environmental professional conducts the property visit.

Since Bank of America has only recently become involved with the subject property, their knowledge of the subject property and environmental conditions is limited to information provided by the mortgage broker, previous investigations provided by the borrower or broker, and by the borrower. As Bank of America has no specific knowledge of the property and operations, they requested the consultant pursue this information.

The key site manager had no specialized knowledge, actual knowledge, experience, or commonly known and reasonably ascertainable information within the local community concerning recognized environmental conditions at the subject property.

Valuation Reduction for Environmental Issues

Per the ASTM standard, in a transaction involving the purchase of a parcel of commercial real estate, the user shall consider the relationship of the purchase price of the property to the fair market value of the property if the property was not affected by hazardous substances or petroleum products. The User should try to identify an explanation for a significantly lower price which does not reasonably reflect fair market value if the property was not contaminated, and make a written record of such explanation. The ASTM standard does not require that a real estate appraisal be obtained in order to ascertain fair market value of the property.

This report was prepared for potential pre-lending purposes and not for a purchase.

Reason for Performing the Phase I Environmental Assessment

Bank of America (User) is performing the Phase I Environmental Assessment for determining whether to make a loan evidenced by a note secured by the property and not for pre-purchase due diligence.

Helpful Documents Provided Prior to Property Visit

Per the ASTM standard, prior to the property visit, the property owner, key site manager (if any is identified), and User (if different from the property owner) shall be asked if they know whether any of the documents below exist and if so, whether copies can and will be provided within reasonable time and cost constraints including partial information. This information is to be provided prior to or at the beginning of the property visit.

Documents	User		Key Site Manager		Property Owner	
	Exist	Provided	Exist	Provided	Exist	Provided
ESA reports	No response	Not applicable	No	Not applicable	No response	Not applicable
Environmental compliance audit reports	No response	Not applicable	No	Not applicable	No response	Not applicable
Environmental permits	No response	Not applicable	No	Not applicable	No response	Not applicable
UST/AST registrations	No response	Not applicable	No	Not applicable	No response	Not applicable
Underground Injection permits	No response	Not applicable	No	Not applicable	No response	Not applicable
MSDSs	No response	Not applicable	Yes	Yes	No response	Not applicable
Community Right-to-Know plan	No response	Not applicable	No	Not applicable	No response	Not applicable
Safety plans	No response	Not applicable	Yes	Yes	No response	Not applicable
SPCC plans	No response	Not applicable	No	Not applicable	No response	Not applicable

Documents	User		Key Site Manager		Property Owner	
	Exist	Provided	Exist	Provided	Exist	Provided
Emergency preparedness and prevention plans	No response	Not applicable	Yes	Yes	No response	Not applicable
Hydrogeologic reports	No response	Not applicable	No	Not applicable	No response	Not applicable
Government agency correspondence and violations	No response	Not applicable	No	Not applicable	No response	Not applicable
Hazardous waste generator notices or reports	No response	Not applicable	No	Not applicable	No response	Not applicable
Geotechnical studies	No response	Not applicable	No	Not applicable	No response	Not applicable
Risk assessments	No response	Not applicable	Yes	No	No response	Not applicable
Recorded AULs	No response	Not applicable	No	Not applicable	No response	Not applicable
Environmental liens	No response	Not applicable	No	Not applicable	No response	Not applicable
Other	No response	Not applicable	No	Not applicable	No response	Not applicable

No response to our request for the above helpful documents was provided by the User or Property Owner. This is considered a data gap.

Proceedings Involving the Property

Per the ASTM standard, prior to the site visit, the User (if different from the property owner), Key site manager (if any is identified), and property owner shall be asked whether they know of (1) any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property; (2) any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on or from the property; and (3) any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products.

The key site manager indicated based on a response dated December 2, 2015 via interview that they have no knowledge of (1) any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property; (2) any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on or from the property; and (3) any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products.

The User and property owner did not respond to the questions whether they have any knowledge of (1) any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property; (2) any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on or from the property; and (3) any notices from any governmental entity regarding any possible violation of

environmental laws or possible liability relating to hazardous substances or petroleum products.

The lack of response is considered a data gap.

User Identified Personnel

As per ASTM E1527-13, Property Solutions requested information for current and past property personnel. The information and contacts below were identified and/or provided by the User/Client.

	Name	Company
User	Ms. Lillias Short	Bank of America, NA
Key Site Manager	Ms. Julie Dietzenbach	SunOpta
Property Manager	Mr. William Looser	SunOpta

4.4.2 Historical Property Information

The history of the subject property was researched to evaluate potential historical uses of the subject property of environmental concern.

The below standard historical sources were researched:

Standard Historical Source Summary

Historical Source	Source Checked?	Source	Earliest Date Obtained
Aerial Photos	Yes	EDR/ Terra Server	1937
Fire Insurance Maps	Yes	EDR	No Coverage
Property Tax File	Yes	City of Cresco Tax Assessor	1993
Recorded Land Title Records	No	Not applicable	Not applicable
USGS 7.5 Minute Topo Maps	Yes	USGS	1981
Local Street Directories (city directories)	Yes	Cresco Public Library	No Coverage
Building Department Records	Yes	City of Cresco Building Department	No response to information request
Zoning/Land Use Records	Yes	City of Cresco Building Department	2015
Other Historical Sources	No	Not applicable	Not applicable
Miscellaneous Maps/Plans	No	Not applicable	Not applicable
Newspapers	No	Not applicable	Not applicable
Records	No	Not applicable	Not applicable
Other Directories/ Phone books	No	Not applicable	Not applicable
Prior Use Interviews	Yes	Ms. Julie Dietzenbach	1993
Previous Reports	No	Not applicable	Not applicable
Chain of Title	No	Not applicable	Not applicable

Historical Source	Source Checked?	Source	Earliest Date Obtained
AULs and Environmental Liens	No	Not applicable	Not applicable

Based on the above information and sources searched above, per ASTM E 1527-13 historical use information is deemed sufficient to comply with ASTM E 1527-13 concerning Data Failure.

Historical Property Information

The following is a summary of the historical use of the subject property based on a review of the standard historical source information that is further described below:

Decade	Property Use	Standard Source/Source
1900	No information reasonably ascertainable	Not applicable
1910	No information reasonably ascertainable	Not applicable
1920	No information reasonably ascertainable	Not applicable
1930	Agricultural land	Aerial Photographs/EDR
1940	Unknown	Data Gap
1950	Agricultural land	Aerial Photographs/EDR
1960	Agricultural land	Aerial Photographs/EDR
1970	Agricultural land	Aerial Photographs/EDR, Topo Quadrangle
1980	Agricultural land	Aerial Photographs/EDR
1990	Developed with a rectangular-shaped, flat-roofed building is present along with two cylinder-shaped structures and small square-shaped building located on the northerly end of the subject building	Aerial Photographs/EDR, Interview with Ms. Dietzenbach
2000	Developed with an L-shaped, flat-roofed building, two cylinder structures and small square-shaped building located on the northerly end of the subject building	Aerial Photographs/EDR
2010	No Major Changes	Aerial Photographs/TerraServer
2015	A rectangular, flat-roofed building addition is present on the easterly side of the subject building. Two cylinder-shaped structures and a small square-shaped building are located towards the northerly end of the subject building. In addition, there are multiple cylinder-shaped structures developed towards the easterly side of the subject property along with a small square-shaped building.	Aerial Photographs/TerraServer

City Directories

Property Solutions contacted Mr. Carmen Buss, Director of the Cresco Public Library requesting information on historical city directories for Cresco, Iowa. According to Mr. Buss, no city directories are available for the subject property in the Cresco Public Library collection.

Aerial Photographs

Years	**1937, 1952, 1964, 1970**
Information Source	EDR
Description of Subject Property: The subject property is depicted as agricultural land.	
Description of Northerly Adjoining Property: The northerly adjoining property is depicted as agricultural land.	
Description of Southerly Adjoining Property: The southerly adjoining property is depicted as agricultural land and single-family dwellings across a minor roadway. A recreational field is located towards the southwest.	
Description of Easterly Adjoining Property: The easterly adjoining property is depicted as agricultural land.	
Description of Westerly Adjoining Property: The westerly adjoining property is depicted as agricultural land.	

Year	**1982**
Information Source	EDR
Description of Subject Property: No Major Changes.	
Description of Northerly Adjoining Property: No Major Changes.	
Description of Southerly Adjoining Property: The southerly adjoining property is depicted as single-family dwellings to the south and multi-family dwellings to the southeast across a minor roadway. A recreational field is located towards the southwest.	
Description of Easterly Adjoining Property: No Major Changes.	
Description of Westerly Adjoining Property: The westerly adjoining property is depicted as a square-shaped, flat roofed, commercial/industrial building.	

Year	**1994**
Information Source	EDR
Description of Subject Property: The subject property is depicted as a rectangular-shaped, flat-roofed building along with two cylinder-shaped structures and small square-shaped building located on the northerly end of the subject building.	
Description of Northerly Adjoining Property: The northerly adjoining property is depicted as agricultural land and one, rectangular-shaped commercial/industrial building towards the northwest with rectangular-shaped detached truck trailers.	
Description of Southerly Adjoining Property: No Major Changes.	
Description of Easterly Adjoining Property: No Major Changes.	
Description of Westerly Adjoining Property: No Major Changes.	

Years	**2005, 2006, 2007, 2008, 2009, 2010, 2011, 2013**
Information Source	EDR/TerraServer
Description of Subject Property: The subject property is depicted as an L-shaped, flat-roofed building, two cylinder structures and small square-shaped building located on the northerly end of the subject building	
Description of Northerly Adjoining Property: No Major Changes.	
Description of Southerly Adjoining Property: No Major Changes.	
Description of Easterly Adjoining Property: No Major Changes.	
Description of Westerly Adjoining Property: No Major Changes.	

Year	**2015**
Information Source	
Description of Subject Property: The subject property is depicted as a rectangular, flat-roofed building addition is present on the easterly side of the subject building. Two cylinder-shaped structures and a small square-shaped building are located towards the northerly end of the subject building. In addition, there are multiple cylinder-shaped structures developed towards the easterly side of the subject property along with a small square-shaped building.	
Description of Northerly Adjoining Property: No Major Changes.	
Description of Southerly Adjoining Property: No Major Changes.	
Description of Easterly Adjoining Property: No Major Changes.	
Description of Westerly Adjoining Property: No Major Changes.	

Review of the aerial photographs revealed that the subject buildings were constructed after 1982 and prior to 1994. The aerial photographs revealed that the subject property consisted of agricultural land from 1937 through 1982. In the 1994 aerial photograph, a rectangular-shaped, flat-roofed building is present along with two cylinder-shaped structures and small square-shaped building located on the northerly end of the subject building. The 2005 through 2013 aerial photographs depict an L-shaped, flat-roofed building, two cylinder structures and small square-shaped building located on the northerly end of the subject building. In the 2015 aerial photograph, a rectangular, flat-roofed building addition is present on the easterly side of the subject building. Two cylinder-shaped structures and a small square-shaped building are located towards the northerly end of the subject building. In addition, there are multiple cylinder-shaped structures developed towards the easterly side of the subject property along with a small square-shaped building.

No evidence of environmental concern on or adjacent to the subject property was revealed during a review of the aerial photographs.

Copies of the aerial photographs are included in Appendix E.

Fire Insurance Maps

Fire insurance maps that include the subject property were requested from Environmental Data Resources, Inc. (EDR) of Shelton, Connecticut. EDR has informed Property Solutions that no historical map coverage is available for the subject property in the EDR historical map collection.

A copy of EDR's statement of no coverage is included in Appendix F.

Topographic Quadrangle Map

Topographic Quadrangle Map Name	Cresco NW, Iowa
Year published	1981
Aerial photograph year map based on	1975
Year photorevised	No photorevisions
Aerial photograph year photorevision based on	Not applicable
Color of photorevisions	Not applicable
Description of Subject Property: The subject property is located in an un-shaded area with brown shaded topographic contours. No structures are present.	
Description of Northerly Adjoining Property: The northerly adjoining property is located in an un-shaded area with brown shaded topographic contours. No structures are present.	
Description of Southerly Adjoining Property: The southerly adjoining property is located in an un-shaded area with brown shaded topographic contours. No structures are present.	
Description of Easterly Adjoining Property: The easterly adjoining property is located in an un-shaded area with brown shaded topographic contours. No structures are present.	
Description of Westerly Adjoining Property: The westerly adjoining property is located in an un-shaded area with brown shaded topographic contours. No structures are present.	

No environmental concerns were identified based upon a review of the Cresco NW, Iowa topographic quadrangle map.

A portion of the USGS 7.5-minute series topographic quadrangle map of Cresco NW, Iowa, which includes the subject property, is included in Appendix A.

Prior Use Interviews

Property Contact Name	Ms. Julie Dietzenbach
Property Contact Title	Plant Manager
Property Contact Company	SunOpta
Association with Property	Plant Manager
Years Associated with Subject Property	1995 – present

Property History:

According to Ms. Dietzenbach, the subject property was used as farm land before the development of the subject buildings.

Other Information:

No environmental concerns were identified during the interview with Ms. Dietzenbach.

Historical Use Summary

Based on a review of the historical sources, the subject property consisted of agricultural land from 1937 through 1982. In the 1994 aerial photograph, a rectangular-shaped, flat-roofed building is present along with two cylinder-shaped structures and small square-shaped building located on the northerly end of the subject building. The 2005 through 2013 aerial photographs depict an L-shaped, flat-roofed building, two cylinder structures and small square-shaped building located on the northerly end of the subject building. In the 2015 aerial photograph, a rectangular, flat-roofed building addition is present on the easterly side of the subject building. Two cylinder-shaped structures and a small square-shaped building are located towards the northerly end of the subject building. In addition, there are multiple cylinder-shaped structures developed towards the easterly side of the subject property along with a small square-shaped building.

Per ASTM E 1527-13, "8.3.2 Uses of the Property—All obvious uses of the property shall be identified from the present, back to the property's first developed use, or back to 1940, whichever is earlier. This task requires reviewing only as many of the standard historical sources in 8.3.4.1 through 8.3.4.8 as are necessary and both reasonably ascertainable and likely to be useful (as described under Data Failure in 8.3.2.3). . . . Such confirmation may come from one or more of the standard historical sources specified in 8.3.4.1 through 8.3.4.8, or it may come from other historical sources (such as someone with personal knowledge of the property; see 8.3.4.9). However, checking other historical sources (see 8.3.4.9) is not required. For purposes of 8.3.2, the term "developed use" includes agricultural uses and placement of fill dirt. The report shall describe all identified uses, justify the earliest date identified (for example, records showed no development of the property prior to the specific date), and explain the reason for any gaps in the history of use (for example, data failure)."

Per ASTM E 1527-13, "8.3.2.3 Data Failure—the historical research is complete when either: (1) the objectives in 8.3.1 through 8.3.2.2 are achieved; or (2) data failure is encountered. Data Failure occurs when all of the standard historical sources that are reasonably ascertainable and likely to be useful have been reviewed and yet the objectives have not been met. Data failure is not uncommon in trying to identify the use of the property at five year intervals back to first use or 1940 (whichever is earlier). Notwithstanding a data failure, standard historical sources may be excluded if: (1) the source is not reasonably ascertainable, or (2) if past experience indicates that the source is not likely to be sufficiently useful, accurate, or complete in terms of satisfying

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the objectives. Other historical sources specified in 8.3.4.9 may be used to satisfy the objectives, but are not required to comply with this practice. If data failure is encountered, the report shall document the failure and, if any of the standard historical sources were excluded, give the reasons for their exclusion. If the data failure represents a significant data gap, the report shall comment on the impact of the data gap on the ability of the environmental professional to identify recognized environmental conditions."

Based on the above information and standard historical sources searched, data failure has occurred. However, historical use information is deemed sufficient to comply with the ASTM Standard.

Standard historical information is included in the appendices of this report.

4.4.3 Interviews

The objective of interviews is to obtain information indicating Recognized Environmental Conditions in connection with the subject property as well as AULs. Property Solutions interviewed or made good faith efforts to interview the following:

Represents	Interviewed	Name and title	Comments
Current Property Owner	No	Not applicable	User did not provide name or contact information nor did they coordinate or facilitate the interview.
Previous Property Owner	No	Not applicable	User did not provide name or contact information nor did they coordinate or facilitate the interview.
Current Property Owner Representative	No	Not applicable	User did not provide name or contact information nor did they coordinate or facilitate the interview.
Previous Property Owner Representative	No	Not applicable	User did not provide name or contact information nor did they coordinate or facilitate the interview.
Key Site Manager	Yes	Ms. Julie Dietzenbach, Plant Manager	No concerns identified during the interview.
Previous Key Site Manager	No	Not applicable	User did not provide name or contact information nor did they coordinate or facilitate the interview.
Current Property Occupants	Yes	Ms. Julie Dietzenbach, Plant Manager	No concerns identified during the interview.
Previous Property Occupants	No	Not applicable	User did not provide name or contact information nor did they coordinate or facilitate the interview.
Current Property Major Occupant	No	Not applicable	User did not provide name or contact information nor did they coordinate or facilitate the interview.

Represents	Interviewed	Name and title	Comments
Previous Property Major Occupant	No	Not applicable	User did not provide name or contact information nor did they coordinate or facilitate the interview.
Current Property Operator	Yes	Ms. Julie Dietzenbach, Plant Manager	No concerns identified during the interview.
Previous Property Operator	No	Not applicable	User did not provide name or contact information nor did they coordinate or facilitate the interview.
Neighboring Property Owner	No	Not applicable	Subject property is not considered an abandoned property where there is evidence of potential unauthorized uses of the abandoned property or evidence of uncontrolled access to the abandoned property, therefore no interview with the neighboring property owners was performed.
Neighboring Property Occupants	No	Not applicable	Subject property is not considered an abandoned property where there is evidence of potential unauthorized uses of the abandoned property or evidence of uncontrolled access to the abandoned property, therefore no interview with the neighboring property occupants was performed.

4.4.4 Property Specific Records

During the course of the assessment of the subject property, Property Solutions contacted the following local, county, and state agencies and companies via phone, letter, or in person.

Department of Health

Agency name	Howard County Health Department- Environmental Health Division
Contact name	Not provided
Contact title	Freedom of Information Officer
Address	137 N. Elm Street
City	Cresco
State	Iowa
Contact date	November 20, 2015/ December 2, 2015
Request medium	Letter/ in person
Response date	December 3, 2015/ December 2, 2015
Form of response	Not Applicable

Response:

According to the Howard County Health Department, no records were found for the subject property.

Fire Department

Agency name	City of Cresco Fire Department
Contact name	Not provided
Contact title	Freedom of Information Officer
Address	215 2nd Avenue SW
City	Cresco
State	Iowa
Contact date	November 20, 2015
Request medium	Fax
Response date	No Response
Form of Response	Not Applicable

A response has not been received at the time of this report.

Planning/Zoning Department

Agency name	City of Cresco Zoning Department
Contact name	Not provided
Contact title	Freedom of Information Officer
Address	130 N. Park Place
City	Cresco
State	Iowa
Contact date	December 2, 2015
Request medium	In person
Response date	December 2, 2015
Form of response	In person

Response:

According to the City of Cresco Official Zoning Map, the subject property is located in zone M-1 (Mixed Use District).

Building Department/Inspection Department

Agency name	City of Cresco Building Department
Contact name	Not provided
Contact title	Freedom of Information Officer
Address	130 N. Park Place
City	Cresco
State	Iowa
Contact date	December 2, 2015
Request medium	In person
Response date	December 2, 2015
Form of response	In person

Response:

According to the City of Cresco Building Department assistant, no environmental records of concern were found for the subject property.

Tax Assessor/Tax Department

Agency name	City of Cresco Tax Assessor
Contact name	Not provided
Contact title	Freedom of Information Officer
Address	130 N. Park Place
City	Cresco
State	Iowa
Contact date	December 2, 2015
Request medium	In person
Response date	December 2, 2015
Form of response	In person

Response:

Property Solutions visited the City of Cresco Tax Assessor on December 2, 2015. The City of Cresco Tax Assessor receptionist provided Property Solutions with a copy of a tax map for the subject property and the surrounding area and a copy of the tax information card for the subject property.

Based on Property Solutions review of the tax map and tax information cards, the subject property is identified as 321592200090; the subject property consists of a near-square-shaped, 3.31-acre parcel of land improved with three industrial buildings constructed in 1993 (distribution warehouse), 2002 (office) and 2012 (office); the gross area of the subject buildings is approximately 6,000 square feet; and the subject property is owned by Sun Rich Inc.; the date of acquisition was not provided. Previous ownership information was not reasonable ascertainable.

A copy of the tax map is included in Appendix A.

Electrical Utility

Agency name	City of Cresco Department of Public Works
Contact name	Not provided
Contact title	Freedom of Information Officer
Address	130 N. Park Place
City	Cresco
State	Iowa
Contact date	November 20, 2015
Request medium	Letter
Response date	No Response

Form of response	Not Applicable

A response has not been received at the time of this report.

Sewer Department/Provider

Agency name	City of Cresco Department of Public Works
Contact name	Not provided
Contact title	Freedom of Information Officer
Address	130 N. Park Place
City	Cresco
State	Iowa
Contact date	November 20, 2015
Request medium	Letter
Response date	No Response
Form of response	Not Applicable

A response has not been received at the time of this report.

Water Department/Supplier

Agency name	City of Cresco Water Department
Contact name	Not provided
Contact title	Not provided
Address	130 N. Park Place
City	Cresco
State	Iowa
Contact date	November 20, 2015
Request medium	Letter
Response date	No Response
Form of response	Not Applicable

Response:

A response has not been received at the time of this report; however a review of the 2015 Water Quality Report published by the City of Cresco Water Department indicates that the municipal water supplied to the subject property meets federal and state drinking water standards.

Others

No other agencies or individuals were contacted.

State Environmental Agency

Agency name	State of Iowa Department of Natural Resources- Environmental Division
Contact name	Peggy Elscott
Contact title	Clerk Specialist
Address	502 East 9th Street
City	Des Moines
State	Iowa
Contact date	November 20, 2015
Request medium	Letter
Response date	December 2, 2015
Form of response	Fax

Response:

According to Peggy Elscott, Clerk Specialist at the State of Iowa Department of Natural Resources, no records were found for the subject property.

State Online Database Information/GIS

Agency name	State of Iowa Department of Natural Resources
Contact name	Not provided
Contact title	Not applicable
Address	Not applicable
City	Cresco
State	Iowa
Contact date	November 30, 2015
Request medium	Online (http://www.iowadnr.gov/About-DNR/About-DNR/Iowa-DNR-Online-Databases)
Response date	November 30, 2015
Form of response	Online (http://www.iowadnr.gov/About-DNR/About-DNR/Iowa-DNR-Online-Databases)

Response:

Property Solutions searched the State of Iowa Department of Natural Resources' online databases for records of the subject property. No records were found.

At the time this report was prepared, some of the above local, county, and state agencies and companies had not responded to our information request as indicated.

According to ASTM E 1527-13, Section 8.1.5, information that has been requested must be reasonably ascertainable as part of performing the Phase I Environmental Assessment. Information that is reasonably ascertainable per ASTM means that information will be provided by the source within 20 calendar days of receiving a written, telephone, or in-person request.

Copies of the letters and records of communication are included in Appendix I.

4.5 Synopsis of Previous Environmental Investigations and Plans

Property Solutions did not receive and is not aware of previous environmental reports or plans pertaining to the subject property.

Property Solutions did not review any plans pertaining to the subject property.

4.6 Asbestos-Containing Material

Based on the dates of construction (1993, 2002, 2012), review of available building information, and observations made during the property visit, ACMs are not expected to have been used during construction of the subject building.

Based upon the above information, no further action is warranted at this time.

4.7 Mold/Water Intrusion

During the course of the Phase I Environmental Assessment property visit, Property Solutions performed limited observations for obvious signs of moisture, water intrusion, and potential mold at the subject property. This was performed for overview purposes only and is not a mold assessment or inspection for regulatory submittal purposes. Additional areas may exist in areas not observed or in concealed locations (behind walls and above ceiling tiles, etc.). This was a limited visual review during a Phase I Environmental Assessment property visit of easily accessible areas for obvious signs of water intrusion and potential mold. An engineering assessment and property maintenance personnel should be consulted to verify water intrusion due to engineering concerns and deficiencies and addressed as appropriate.

Molds produce tiny spores to reproduce, which waft through the indoor and outdoor air continually. When mold spores land on a damp spot indoors, they may begin growing and digesting whatever they are growing on in order to survive. There are molds that can grow on wood, paper, carpet, and foods. When excessive moisture or water accumulates indoors, mold growth will often occur, particularly if the moisture problem remains undiscovered or un-addressed. There is no practical way to eliminate all molds and mold spores in the indoor environment; the way to control indoor mold growth is to control moisture. In addition, mold growth may be a problem after flooding.

Standards or Threshold Limit Values (TLVs) for airborne concentrations of mold, or mold spores, have not been set. Currently, there are no USEPA regulations or standards for airborne mold contaminants.

Ms. Dietzenbach was unaware of past water damage or historic leaks.

No obvious visual evidence of mold, water intrusion, water damage, or standing water was observed in the interior portions of the subject building accessed by Property Solutions during the property visit. No musty odors indicative of a moisture problem or porous materials such as carpets and insulation in damp niches were observed during the property visit.

No botanical materials such as bark chips or potted plants in moist locations such as an atrium were observed during the property visit. No indoor water features such as fountains, indoor waterfalls, or indoor swimming pools were observed in the subject building. Ms. Dietzenbach was unaware of reported odor complaints, allergic reactions, or other symptoms possibly associated with mold growth. No problems evident in the building envelope or problematic conditions surrounding the air intake were observed. No operatives conducive to bioaerosol generation such as animal confinement operations, agricultural activities, or wetlands were observed on the subject property or adjacent properties. This limited visual review was conducted for overview purposes only; mold may exist in concealed locations (behind walls, wallpaper, and ceilings, etc.). Ms. Dietzenbach was unaware of mold, water intrusion, water damage, standing water, or historic floods at the subject property.

Based on the above information, no further investigation is recommended at this time regarding moisture and mold.

5.0 CONCLUSIONS

We have performed a Phase I Environmental Assessment in conformance with the scope and limitations of ASTM Practice E 1527-13 of SunOpta - Cresco, Iowa located at 616 6th Avenue West in Cresco, Howard County, Iowa 52136. Any exceptions to, or deletions from, this practice are described in Section 1.0 of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the subject property.

6.0 RECOMMENDATIONS AND OPINIONS OF PROBABLE COST

Based on the results of this investigation, no further action is recommended at this time.

7.0 LIMITATIONS

The conclusions as presented above are based upon the agreed upon scope of work outlined in the above report. Consultant makes no guarantees as to the accuracy or completeness of information obtained from others. It is possible that information exists beyond the scope of this investigation. Additional information which was not available to Consultant at the time of writing the Report may result in a modification of the conclusions as presented. The Services performed by Consultant have been conducted in a manner consistent with the level of care ordinarily exercised by members of our profession currently practicing under similar conditions.

This report is not a legal opinion, but may under certain circumstances be prepared at the direction of counsel, may be in anticipation of litigation, and may be classified as an attorney client communication or as an attorney work product.

8.0 REFERENCES

8.1 Information Sources

1. United States Geological Survey's 7.5-minute topographic quadrangle map of Cresco NW, Iowa.
2. United States Department of Agriculture, Soil Conservation Services' Soil Survey of Howard County, Iowa.
3. Geologic Map of Iowa produced by the Iowa Geological Survey.
4. National Water Summary 1986 – Hydrologic Events and Groundwater Quality, dated 1988, produced by the United States Geological Survey
5. United States Department of the Interior, National Wetland Inventory Map for Cresco NW, Iowa.
6. National Water Summary 1986 – Hydrologic Events and Groundwater Quality, dated 1988, produced by the United States Geological Survey.
7. Cresco Water Department's 2015 Water Quality Report
8. USEPA's Map of Radon Zones produced by the USEPA.
9. Federal Area Radon Database produced by EDR.
10. Aerial photographs provided by Environmental Data Resources, Inc.
11. Aerial photographs provided by TerraServer.
12. Fire insurance maps, provided by Environmental Data Resources, Inc.
13. The EDR Radius Map with GeoCheck, produced by Environmental Data Resources, Inc.
14. Envirofacts Data Warehouse, produced by USEPA.
15. City of Cresco Zoning Map, Cresco Planning and Zoning Department, accessed December 2, 2015

8.2 Definitions

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

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

are intended to prevent adverse impacts to individuals or populations that may be exposed to hazardous substances and petroleum products in the soil, soil vapor, groundwater, and/or surface water on the property. See Note 1.

NOTE 1—The term *AUL* is taken from Guide E2091 to include both legal (that is, institutional) and physical (that is, engineering) controls within its scope. Other agencies, organizations, and jurisdictions may define or utilize these terms differently (for example, EPA and California do not include physical controls within their definitions of "*institutional controls*." Department of Defense and International County/City Management Association use "Land Use Controls." The term "land use restrictions" is used but not defined in the *Brownfields Amendments*).

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

Actual Knowledge Exception – If the user or environmental professional(s) conducting an environmental site assessment has actual knowledge that the information being used from a prior environmental site assessment is not accurate or if it is obvious, based on other information obtained by means of the environmental site assessment or known to the person conducting the environmental site assessment, that the information being used is not accurate, such information from a prior environmental site assessment may not be used.

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

All appropriate inquiries – that inquiry constituting all appropriate inquiries into the previous ownership and uses of the property consistent with good commercial and customary practice as defined in CERCLA, 42 U.S.C §9601(35)(B), that will qualify a party to a commercial real estate transaction for one of the threshold criteria for satisfying the LLPs to CERCLA liability (42 U.S.C §9601(35)(A) & (B), §9607(b)(3), §9607(q); and §9607(r)), assuming compliance with other elements of the defense. See ASTM 1527-13 Appendix X1.

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

Bona fide prospective purchaser liability protection – (42 U.S.C. §9607(r))—a person may qualify as a bona fide prospective purchaser if, among other requirements, such person made "all appropriate inquiries into the previous ownership and uses of the facility in accordance with generally accepted good commercial and customary standards and practices." Knowledge of contamination resulting from all appropriate inquiries would not generally preclude this liability protection. A person must make all appropriate inquiries on or before the date of purchase. The facility must have been purchased after January 11, 2002. See ASTM E 1527-13, Appendix X1 for the other necessary requirements that are beyond the scope of this practice.

Business environmental risk – a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice. Consideration of business environmental risk issues may involve addressing one or more non-scope considerations, some of which are identified in ASTM E 1527-13, Section 13.

Comparison with Subsequent Inquiry – It should not be concluded or assumed that an inquiry was not all appropriate inquiries merely because the inquiry did not identify recognized environmental conditions in connection with a property. Environmental site assessments must be evaluated based on the reasonableness of judgments made at the time and under the circumstances in which they were made. Subsequent environmental site assessments should not be considered valid standards to judge the appropriateness of any prior assessment based on hindsight, new information, use of developing technology or analytical techniques, or other factors.

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

Controlled recognized environmental condition – a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). (See Note 2.) A condition considered by the environmental professional to be a controlled recognized environmental condition shall be listed in the findings section of the Phase I Environmental Site Assessment report, and as a recognized environmental condition in the conclusions section of the Phase I Environmental Site Assessment report. (See Note 3.)

Note 2-For example, if a leaking underground storage tank has been cleaned up to a commercial use standard, but does not meet unrestricted residential cleanup criteria, this would be considered a controlled recognized environmental condition. The "control" is represented by the restriction that the property use remain commercial.
Note 3-A condition identified as a controlled recognized environmental condition does not imply that the environmental professional has evaluated or confirmed the adequacy, implementation, or continued effectiveness of the required control that has been, or intended to be, implemented.

Construction debris – concrete, brick, asphalt, and other such building materials discarded in the construction of a building or other improvement to property.

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Contiguous property owner liability protection – (42 U.S.C. §9607(q))—a person may qualify for the contiguous property owner liability protection if, among other requirements, such person owns real property that is contiguous to, and that is or may be contaminated by hazardous substances from other real property that is not owned by that person. Furthermore, such person conducted all appropriate inquiries at the time of acquisition of the property and did not know or have reason to know that the property was or could be contaminated by a release or threatened release from the contiguous property. The all appropriate inquiries must not result in knowledge of contamination. If it does, then such person did "know" or "had reason to know" of contamination and would not be eligible for the contiguous property owner liability protection. See ASTM E 1527-13, Appendix X1 for the other necessary requirements that are beyond the scope of this practice.

Continued Viability of Environmental Site Assessment – Subject to ASTM E 1527-13, Section 4.8, an environmental site assessment meeting or exceeding this practice and completed less than 180 days prior to the date of acquisition[5] of the property or (for transactions not involving an acquisition) the date of the intended transaction is presumed to be valid.[6] If within this period the assessment will be used by a user different than the user for whom the assessment was originally prepared, the subsequent user must also satisfy the User's Responsibilities in ASTM E 1527-13, Section 6. Subject to Section 4.8 and the User's Responsibilities set forth in ASTM E 1527-13, Section 6, an environmental site assessment meeting or exceeding this practice and for which the information was collected or updated within one year prior to the date of acquisition of the property or (for transactions not involving an acquisition) the date of the intended transaction may be used provided that the following components of the inquiries were conducted or updated within 180 days of the date of purchase or the date of the intended transaction: (i) interviews with owners, operators, and occupants; (ii) searches for recorded environmental cleanup liens; (iii) reviews of federal, tribal, state, and local government records; (iv) visual inspections of the property and of adjoining properties; and (v) the declaration by the environmental professional responsible for the assessment or update.

[5] Under "*All Appropriate Inquiries*" 40 C.F.R. Part 312, EPA defines date of acquisition as the date on which a person acquires title to the *property*.
[6] Subject to meeting the other requirements set forth in this section, for purpose of the *LLPs*, information collected in an assessment conducted prior to the effective date of the federal regulations for *All Appropriate Inquiries* or this practice can be used if the information was generated as a result of procedures that meet or exceed the requirements of the E 1527-97 or -00 standards.

Contractual Issues Regarding Prior Assessment Usage – The contractual and legal obligations between prior and subsequent users of environmental site assessments or between environmental professionals who conducted prior environmental site assessments and those who would like to use such prior environmental site assessments are beyond the scope of this practice.

Data failure – a failure to achieve the historical research objectives in ASTM E 1527-13, §8.3.1 through 8.3.2.2 even after reviewing the standard historical sources in §8.3.4.1 through 8.3.4.8 that are reasonably ascertainable and likely to be useful. Data failure is one type of data gap. See ASTM E 1527-13, 8.3.2.3.

Data gap – a lack of or inability to obtain information required by this practice despite good faith efforts by the environmental professional to gather such information. Data gaps may result from incompleteness in any of the activities required by this practice, including, but not limited to site reconnaissance (for example, an inability to conduct the site visit), and interviews (for example, an inability to interview the key site manager, regulatory officials, etc.). See ASTM E 1527-13 12.7.

De minimis Condition - a condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be de minimis conditions are not recognized environmental conditions nor controlled recognized environmental conditions.

Demolition debris – concrete, brick, asphalt, and other such building materials discarded in the demolition of a building or other improvement to property.

Engineering controls (EC) – physical modifications to a site or facility (for example, capping, slurry walls, or point of use water treatment) to reduce or eliminate the potential for exposure to hazardous substances or petroleum products in the soil or groundwater on the property. Engineering controls are a type of activity and use limitation (AUL).

Environmental lien – a charge, security, or encumbrance upon title to a property to secure the payment of a cost, damage, debt, obligation, or duty arising out of response actions, cleanup, or other remediation of hazardous substances or petroleum products upon a property, including (but not limited to) liens imposed pursuant to CERCLA 42 U.S.C. §§9607(1) & 9607(r) and similar state or local laws.

Environmental professional – a person meeting the education, training, and experience requirements as set forth in 40 CFR §312.10(b). See ASTM E 1527-13 Appendix X2. The person may be an independent contractor or an employee of the user.

Fill dirt – dirt, soil, sand, or other earth, that is obtained off-site, that is used to fill holes or depressions, create mounds, or otherwise artificially change the grade or elevation of real property. It does not include material that is used in limited quantities for normal landscaping activities.

Good faith – the absence of any intention to seek an unfair advantage or to defraud another party; an honest and sincere intention to fulfill one's obligations in the conduct or transaction concerned.

Hazardous substance – a substance defined as a hazardous substance pursuant to CERCLA 42 U.S.C.§9601(14), as interpreted by EPA regulations and the courts:" (A) any substance designated pursuant to section 1321(b)(2)(A) of Title 33, (B) any element, compound, mixture, solution, or substance designated pursuant to section 9602 of this title, (C) any hazardous waste

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having the characteristics identified under or listed pursuant to section 3001 of the Resource Conservation and Recovery Act of 1976 (RCRA), as amended, (42 U.S.C. §6921) (but not including any waste the regulation of which under RCRA (42 U.S.C.§§6901 et seq.) has been suspended by Act of Congress), (D) any toxic pollutant listed under section 1317(a) of Title 33, (E) any hazardous air pollutant listed under section 112 of the Clean Air Act (42 U.S.C. §7412), and (F) any imminently hazardous chemical substance or mixture with respect to which the Administrator (of EPA) has taken action pursuant to section 2606 of Title 15. The term does not include petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance under subparagraphs (A) through (F) of this paragraph, and the term does not include natural gas, natural gas liquids, liquefied natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas)." (See ASTM E 1527-13, Appendix X1.)

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

Hazardous waste/contaminated sites – sites on which a release has occurred, or is suspected to have occurred, of any hazardous substance, hazardous waste, or petroleum products, and that release or suspected release has been reported to a government entity.

Historical recognized environmental condition – a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). Before calling the past release a historical recognized environmental condition, the environmental professional must determine whether the past release is a recognized environmental condition at the time the Phase I Environmental Site Assessment is conducted (for example, if there has been a change in the regulatory criteria). If the EP considers the past release to be a recognized environmental condition at the time the Phase I ESA is conducted, the condition shall be included in the conclusions section of the report as a recognized environmental condition.

IC/EC registries – databases of institutional controls or engineering controls that may be maintained by a federal, state or local environmental agency for purposes of tracking sites that may contain residual contamination and AULs. The names for these may vary from program to

program and state to state, and include terms such as Declaration of Environmental Use Restriction database (Arizona), list of "deed restrictions" (California), environmental real covenants list (Colorado), brownfields site list (Indiana, Missouri) and the Pennsylvania Activity and Use Limitation (PA AUL) Registry.

Innocent landowner defense – (42 U.S.C. §§9601(35) & 9607(b)(3)) – a person may qualify as one of three types of innocent landowners: (i) a person who "did not know and had no reason to know" that contamination existed on the property at the time the purchaser acquired the property; (ii) a government entity which acquired the property by escheat, or through any other involuntary transfer or acquisition, or through the exercise of eminent domain authority by purchase or condemnation; and (iii) a person who "acquired the facility by inheritance or bequest." To qualify for the innocent landowner defense, such person must have made all appropriate inquiries on or before the date of purchase. Furthermore, the all appropriate inquiries must not have resulted in knowledge of the contamination. If it does, then such person did "know" or "had reason to know" of contamination and would not be eligible for the innocent landowner defense. See ASTM E 1527-13, Appendix X1 for the other necessary requirements that are beyond the scope of this practice.

Institutional controls (IC) – a legal or administrative restriction (for example, "deed restrictions," restrictive covenants, easements, or zoning) on the use of, or access to, a site or facility to (1) reduce or eliminate potential exposure to hazardous substances or petroleum products in the soil or groundwater on the property, or (2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment. An institutional control is a type of Activity and Use Limitation (AUL).

Interviews – those portions of ASTM E 1527-13 practice that are contained in Section 10 and 11 thereof and address questions to be asked of past and present owners, operators, and occupants of the property and questions to be asked of local government officials.

Key site manager – the person identified by the owner or operator of a property as having good knowledge of the uses and physical characteristics of the property. See ASTM E 1527-13, 10.5.1.

Landowner Liability Protections (LLPs) – landowner liability protections under CERCLA; these protections include the bona fide prospective purchaser liability protection, contiguous property owner liability protection, and innocent landowner defense from CERCLA liability. See 42 U.S.C. §§9601(35)(A), 9601(40), 9607(b), 9607(q), 9607(r).

Level of Inquiry is Variable – Not every property will warrant the same level of assessment. Consistent with good commercial and customary practice, the appropriate level of environmental site assessment will be guided by the type of property subject to assessment, the expertise and risk tolerance of the user, and the information developed in the course of the inquiry.

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Major occupants – those tenants, subtenants, or other persons or entities each of which uses at least 40 % of the leasable area of the property or any anchor tenant when the property is a shopping center.

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

Migrate/migration – for the purposes of this practice, "migrate" and "migration" refers to the movement of hazardous substances or petroleum products in any form, including, for example, solid and liquid at the surface or subsurface, and vapor in the subsurface. See Note 4.

Note 4-Vapor migration in the subsurface is described in Guide E2600; however, nothing in this practice should be construed to require application of the Guide E2600 standard to achieve compliance with all appropriate inquiries.

Not Exhaustive – All appropriate inquiries does not mean an exhaustive assessment of a property. There is a point at which the cost of information obtained or the time required to gather it outweighs the usefulness of the information and, in fact, may be a material detriment to the orderly completion of transactions. One of the purposes of this practice is to identify a balance between the competing goals of limiting the costs and time demands inherent in performing an environmental site assessment and the reduction of uncertainty about unknown conditions resulting from additional information.

Obvious – that which is plain or evident; a condition or fact that could not be ignored or overlooked by a reasonable observer while visually or physically observing the property.

Occupants – those tenants, subtenants, or other persons or entities using the property or a portion of the property.

Operator – the person responsible for the overall operation of a facility.

Owner – generally the fee owner of record of the property.

Petroleum exclusion – the exclusion from CERCLA liability provided in 42 U.S.C. §9601(14), as interpreted by the courts and EPA: "The term (hazardous substance) does not include petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance under subparagraphs (A) through (F) of this paragraph, and the term does not include natural gas, natural gas liquids, liquefied natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas)."

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Petroleum products – those substances included within the meaning of the petroleum exclusion to CERCLA, 42 U.S.C. §9601(14), as interpreted by the courts and EPA, that is: petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance under Subparagraphs (A) through (F) of 42 U.S.C. §9601(14), natural gas, natural gas liquids, liquefied natural gas, and synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas). (The word fraction refers to certain distillates of crude oil, including gasoline, kerosene, diesel oil, jet fuels, and fuel oil, pursuant to Standard Definitions of Petroleum Statistics.[4])

[4] *Standard Definitions of Petroleum Statistics*, American Petroleum Institute, Fifth Edition, 1995.

Practically reviewable – information that is practically reviewable means that the information is provided by the source in a manner and in a form that, upon examination, yields information relevant to the property without the need for extraordinary analysis of irrelevant data. The form of the information shall be such that the user can review the records for a limited geographic area. Records that cannot be feasibly retrieved by reference to the location of the property or a geographic area in which the property is located are not generally practically reviewable. Most databases of public records are practically reviewable if they can be obtained from the source agency by the county, city, zip code, or other geographic area of the facilities listed in the record system. Records that are sorted, filed, organized, or maintained by the source agency only chronologically are not generally practically reviewable. Listings in publicly available records which do not have adequate address information to be located geographically are not generally considered practically reviewable. For large databases with numerous records (such as RCRA hazardous waste generators and registered underground storage tanks), the records are not practically reviewable unless they can be obtained from the source agency in the smaller geographic area of zip codes. Even when information is provided by zip code for some large databases, it is common for an unmanageable number of sites to be identified within a given zip code. In these cases, it is not necessary to review the impact of all of the sites that are likely to be listed in any given zip code because that information would not be practically reviewable. In other words, when so much data is generated that it cannot be feasibly reviewed for its impact on the property, it is not practically reviewable.

Prior Assessment Usage – The ASTM E 1527-13 practice recognizes that environmental site assessments performed in accordance with this practice will include information that subsequent users may want to use to avoid undertaking duplicative assessment procedures. Therefore, this practice describes procedures to be followed to assist users in determining the appropriateness of using information in environmental site assessments performed more than one year prior to the date of acquisition of the property or (for transactions not involving an acquisition) the date of the intended transaction. The system of prior assessment usage is based on the following principles that should be adhered to in addition to the specific procedures set forth elsewhere in the ASTM E 1527-13 practice.

Property – the real property that is the subject of the environmental site assessment described in the ASTM E 1527-13 practice. Real property includes buildings and other fixtures and improvements located on the property and affixed to the land.

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

Reasonably Ascertainable – information that is (1) publicly available, (2) obtainable from its source within reasonable time and cost constraints, and (3) practically reviewable.

Reasonable time and cost – information that is obtainable within reasonable time and cost constraints means that the information will be provided by the source within 20 calendar days of receiving a written, telephone, or in-person request at no more than a nominal cost intended to cover the source's cost of retrieving and duplicating the information. Information that can only be reviewed by a visit to the source is reasonably ascertainable if the visit is permitted by the source within 20 days of request.

Recognized environmental conditions – the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not recognized environmental conditions.

Recorded land title records – records of historical fee ownership, which may include leases, land contracts, and AULs on or of the property recorded in the place where land title records are, by law or custom, recorded for the local jurisdiction in which the property is located. (Often such records are kept by a municipal or county recorder or clerk.) Such records may be obtained from title companies or directly from the local government agency. Information about the title to the property that is recorded in a U.S. district court or any place other than where land title records are, by law or custom, recorded for the local jurisdiction in which the property is located, are not considered part of recorded land title records. See ASTM E 1527-13 8.3.4.4.

Release – a release of any hazardous substance or petroleum product shall have the same meaning as the definition of "release" in CERCLA 42 U.S.C. § 9601(22)). For additional background information, see Legal Appendix (Appendix X1) to X1.1.1 "Releases and Threatened Release."

Relevant experience (as used in the definition of environmental professional) – participation in the performance of all appropriate inquiries investigations, environmental site assessments, or other site investigations that may include environmental analyses, investigations, and remediation which involve the understanding of surface and subsurface environmental conditions and the processes used to evaluate these conditions and for which professional judgment was used to develop opinions regarding conditions indicative of releases or threatened releases (see §312.1(c)) to the subject property.

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Rules of Engagement – The contractual and legal obligations between an environmental professional and a user (and other parties, if any) are outside the scope of this practice. No specific legal relationship between the environmental professional and the user is necessary for the user to meet the requirements of this practice.

Uncertainty Not Eliminated – No environmental site assessment can wholly eliminate uncertainty regarding the potential for recognized environmental conditions in connection with a property. Performance of this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for recognized environmental conditions in connection with a property, and this practice recognizes reasonable limits of time and cost.

Use of Prior Information – Subject to the requirements set forth in ASTM E 1527-13, Section 4.6, users and environmental professionals may use information in prior environmental site assessments provided such information was generated as a result of procedures that meet or exceed the requirements of this practice. However, such information shall not be used without current investigation of conditions likely to affect recognized environmental conditions in connection with the property. Additional tasks may be necessary to document conditions that may have changed materially since the prior environmental site assessment was conducted.

User – the party seeking to use Practice E 1527 to complete an environmental site assessment of the property. A user may include, without limitation, a potential purchaser of property, a potential tenant of property, an owner of property, a lender, or a property manager. The user has specific obligations for completing a successful application of this practice as outlined in ASTM E 1527-13, Section 6.

Visually and/or physically observed – during a site visit pursuant to this practice, this term means observations made by vision while walking through a property and the structures located on it and observations made by the sense of smell, particularly observations of noxious or foul odors. The term "walking through" is not meant to imply that disabled persons who cannot physically walk may not conduct a site visit; they may do so by the means at their disposal for moving through the property and the structures located on it.

8.3 Acronyms

ACM – asbestos-containing material
AST – aboveground storage tank
ASTM – American Society for Testing and Materials
AUL – Activity and Use Limitations
bgs – below ground surface
CERCLA – Comprehensive Environmental Response, Compensation and Liability Act of 1980 (as amended, 42 USC § 9601 et seq.)
CERCLIS – Comprehensive Environmental Response, Compensation and Liability Information System (maintained by EPA)

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CFR – Code of Federal Regulations
CORRACTS – Facilities subject to Corrective Action under RCRA
CREC – Controlled Recognized Environmental Condition
EA – Environmental Assessment
ECRA – Environmental Cleanup Responsibility Act
EDR – Environmental Data Resources, Inc.
EPA – United States Environmental Protection Agency
EPCRA – Emergency Planning and Community Right to Know Act ((also known as SARA Title III), 42 USC § 11001 et seq.)
ERNS – Emergency Response Notification System
ESA – Environmental Site Assessment (different than an *environmental compliance audit*, 3.2.27)
FOIA – U.S. Freedom of Information Act (5 U.S.C. §552 as amended by Public Law No. 104-231, 110 Stat.)
FR – Federal Register
HREC – Historical recognized environmental condition
ICs – Institutional Controls
ISRA – Industrial Site Recovery Act
LBP – Lead-based paint
LLP – Landowner Liability Protections under the *Brownfields Amendments*
LRST – Leaking registered storage tank
LUST – Leaking underground storage tank
MSDS – Material safety data sheet
NCP – National Contingency Plan
NFRAP – former CERCLIS sites where no further remedial action is planned under CERCLA
NPDES – National Pollutant Discharge Elimination System
NPL – National Priorities List
NVLAP – National Voluntary Laboratory Accreditation Program
OSHA – Occupational Safety and Health Administration
PACM – Presumed asbestos-containing material
PCBs – Polychlorinated biphenyls
PLM – Polarized light microscopy
PRP – Potentially responsible party (pursuant to CERCLA 42 USC § 9607(a))
RCRA – Resource Conservation and Recovery Act (as amended, 42 USC § 6901 et seq.)
RCRIS – Resource Conservation and Recovery Act Information System
REC – Recognized environmental condition
ROC – Record of communication
RST – Registered storage tank
SACM – Suspect asbestos-containing material
SARA – Superfund Amendments and Reauthorization Act of 1986 (amendment to CERCLA)
SIC – Standard Industrial Classification
TEM – Transmission electron microscopy
TSDF – Hazardous waste treatment, storage or disposal facility
USC – United States Code

USEPA –United States Environmental Protection Agency
USGS – United States Geological Survey
UST – Underground storage tank

8.4 Purpose

The purpose of a Phase I Environmental Assessment is to evaluate issues that may have an impact on the subject property. The purpose of the ASTM E 1527-13 practice is to define good commercial and customary practice in the United States of America for conducting an environmental site assessment of a parcel of commercial real estate with respect to the range of contaminants within the scope of Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. §9601) and petroleum products. As such, the practice is intended to permit a User to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on CERCLA liability (hereinafter, the "landowner liability protections," or "LLPs"): that is, the practice that constitutes "all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice" as defined at 42 U.S.C. §9601(35)(B). The goal of this process is to identify the presence or likely presence of hazardous substances or petroleum products on the property and identify conditions that indicate an existing release, a past release, or a material threat of a release of hazardous substances or petroleum products into structures on the subject property or into the ground, groundwater, or surface of the subject property. The purpose of this report is not intended to include de minimis conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. This report is also not intended to serve as a compliance assessment of the subject property or to identify health and safety issues or procedures. The ASTM E 1527-13 DOES NOT address whether requirements in addition to all appropriate inquiry have been met in order to qualify for the LLPs (for example, the duties specified in 42 U.S.C. §9601(b)(3)(a) and (b) and cited in Appendix X1 of the ASTM Standard, including the continuing obligation not to impede the integrity and effectiveness of activity and use limitations (AULs), or the duty to take reasonable steps to prevent releases, or the duty to comply with legally required release reporting obligations).

The ASTM E 1527-13 practice DOES NOT address requirements of any state or local laws or of any federal laws other than the all appropriate inquiry provision of the LLPs. Per the ASTM Standard, Users are cautioned that federal, state, and local laws may impose environmental assessment obligations that are beyond the scope of this practice. Users should also be aware that there are likely to be other legal obligations with regard to hazardous substances or petroleum products discovered on the property that are not addressed in the ASTM practice and that may pose risks of civil and/or criminal sanctions for non-compliance.

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8.5 Significant Assumptions

The following assumptions are made by Property Solutions in this report. Property Solutions relied on information derived from secondary sources including governmental agencies, the Client (User), designated representatives of the Client (User), property contact, property owner, property owner representatives, computer databases, and personal interviews. Except as set forth in this report, Property Solutions has made no independent investigation as to the accuracy and completeness of the information derived from secondary sources including government agencies, the Client, designated representatives of the Client, property contact, property owner, property owner representatives, computer databases, or personal interviews and has assumed that such information is accurate and complete. Property Solutions assumes information provided by or obtained from governmental agencies including information obtained from government websites is accurate and complete. Groundwater flow and depth to groundwater, unless otherwise specified by on-property well data, are assumed based on contours depicted on the United States Geological Survey topographic maps. Property Solutions assumes the property has been correctly and accurately identified by the Client (User), designated representative of the Client (User), property contact, property owner, and property owner's representatives. Property Solutions assumes that the Client (User), Client representatives, Client Legal Counsel, designated representatives of the Client, Key Site Manager, property contact, property owner, property owner representatives, and property brokers, used good faith in answering questions and in obtaining information for the subject property as defined in 10.8 of the ASTM E 1527-13 practice. This would also include obtaining those helpful documents from previous owners, operators, tenants, brokers, financial institutions etc. Property Solutions also assumes the Client will designate appropriate and knowledgeable people for performance of the Phase I Environmental Assessment including Key Site Managers.

8.6 Special Terms and Conditions

This Phase I Environmental Assessment was prepared in accordance with the stated and agreed upon Scope of Work. In order to perform a comprehensive environmental evaluation, subsurface investigation and testing would be required to definitively evaluate whether contamination has affected the subject property. Therefore, the findings and conclusions presented herein are based solely on the scope of work previously described and information gathered. No environmental assessment can wholly eliminate uncertainty regarding the potential for recognized environmental conditions in connection with a property. Performance of the ASTM practice is intended to reduce, but not eliminate, uncertainty regarding the potential for recognized environmental conditions in connection with a property, and the ASTM practice recognizes reasonable limits of time and cost. Limitations to the assessment also include weather conditions, vegetation cover, parked cars, trucks, dumpsters, and anything limiting visual observation of or physical access to the subject property and neighboring properties. Vapor intrusion is not included in this scope of services and is considered an ASTM Non-scope consideration. This report and scope is not an environmental compliance audit.

Subject to Section 4.8 of the ASTM E 1527-13 Standard, an environmental site assessment meeting or exceeding the practice and completed less than 180 days prior to the date of acquisition of the property or (for transactions not involving an acquisition) the date of the intended transaction is presumed to be valid. If within this period the assessment will be used by a different user than the user (Client) for whom the assessment was originally prepared, the subsequent user (if authorized to rely on the report as identified in Section 1.5 Reliance of this report) must also satisfy the User's Responsibilities in Section 6 of the ASTM E 1527-13 standard. If this assessment is over 180 days old it is not valid and a new assessment should be performed per the ASTM standard.

This report was specifically and only prepared for the identified specific Client (user) and for their specific purpose; no other person or entity for any other purpose may use, or rely on this report or its contents unless specifically authorized in writing by Property Solutions Inc. Subsequent consultants and subsequent Users may not rely on this report or information included in this report. Property Solutions Inc. will not be held liable in any way for any and all unauthorized use of this report both currently and in the future. Consultants and subsequent Users must specifically and separately verify all information and not rely on the facts, findings, conclusions, and opinions of this report. Future use of this report by consultants or subsequent Users is strictly prohibited and not authorized to evaluate the appropriateness of using this information in environmental site assessments performed in the future by anyone other than Property Solutions Inc. Subsequent consultants and subsequent Users may not include this report or information included in this report (unless publicly available) without the written authorization of Property Solutions Inc.

No other special terms and conditions are applicable to this Phase I Environmental Assessment.

ATTACHMENT I
PROFESSIONAL QUALIFICATIONS

Shauna M. Coobick, P.G.
SENIOR GEOLOGIST

EDUCATION

Bachelor's of Science in Geology
Richard Stockton College of New Jersey
Pomona, New Jersey

Associate's Degree in Math/Science
Cumberland County College
Vineland, New Jersey

Associate's Degree in Liberal Arts
Cumberland County College
Vineland, New Jersey

ACCREDITATIONS

Licensed Professional Geologist (Pennsylvania)

OSHA 29 CFR 1910.120(e)
HAZWOPER Training

Certified Confined Space
Entrant/Attendant

EPA/AHERA/Pennsylvania
Asbestos Building Inspector

NJDEP-licensed Subsurface Evaluator and UST Closure

SUMMARY OF QUALIFICATIONS

Over 15 years of field work, technical writing and review, and project and personnel management in the environmental consulting industry. Specific duties have included the following: performance of Phase I Environmental Assessments of multi-family residential, commercial, and light industrial properties in accordance with ASTM and AAI guidelines as well as client-specific Scopes of Work; technical and peer review of environmental due diligence reports; performance of local, state, and federal regulatory agency file reviews; coordination and performance of soil, sediment, groundwater, and surface water sampling as part of Phase II Subsurface Investigations and Delineations; field screening and classification of soils and preparation of soil boring logs; installation, development, and sampling of temporary piezometers and groundwater monitoring wells; interpretation of well logs, slug testing, water quality parameter analysis, development and interpretation of soil and groundwater isopleth maps and plume analysis, and evaluation of remediation systems including bioremediation and monitored natural attenuation; Preliminary Assessments and Site Investigations in accordance with New Jersey Department of Environmental Protection (NJDEP) Industrial Site Recovery Act (ISRA) regulations as well as submissions prepared in accordance with NJDEP Technical Requirements for Site Remediation; preparation and submittal of investigation and remediation reports in accordance with numerous state regulatory agency guidelines; investigation, closure, and removal of commercial and residential underground storage tanks; evaluation of data from geophysical surveys (EM-61 and ground-penetrating radar); preparation of detailed Scopes of Work, cost estimates, and schedules to be included in investigation and remediation proposals for evaluating impact of various environmental areas-of-concern (leaking underground storage tanks, dry cleaning solvent releases, etc.) on subsurface soils, groundwater, and indoor air quality/vapor intrusion; bulk sampling of asbestos and lead-based paint; mold assessments; sampling for radon and lead-in-drinking water; preparation of operations and maintenance plans for asbestos, lead-based paint, and mold.

REPRESENTATIVE PROJECT EXPERIERNCE

Moorestown, New Jersey

Performed an Industrial Site Recovery Act Preliminary Assessment of a graphics design and printing plant in conjunction with New Jersey Department of Environmental Protection regulations and worked with the NJDEP case manager to obtain "No Further Action" status for the property.

Carteret, New Jersey

Performed Phase I Environmental Assessments at adjacent retail strip centers. Additional investigation activities performed at each property, based on the presence of dry cleaning tenants, included extensive Phase II sampling and delineation activities for soil and groundwater, installation and sampling of groundwater monitoring wells, and submittal of Preliminary Assessment/Site Investigation Reports, Remedial Investigation Reports, and a Remedial Action Workplans to NJDEP in association with ongoing remediation activities.

Blackwood, New Jersey

Performed a Phase I Environmental Assessment of a former garment manufacturing facility originally developed as a retail shopping center in the 1960s. The historical presence of a dry cleaner led to a Phase II Subsurface Investigation. As the property was subject to the Industrial Site Recovery Act (ISRA), a Preliminary Assessment/Site Investigation Report was also submitted to NJDEP along with additional Site Investigation reports addressing a former utility pit and underground storage tank system in accordance with the Technical Requirements for Site Remediation to achieve No Further Action status.

Bellmawr, New Jersey

Performed a Phase I Environmental Assessment of a steel fabrication plant with operations dating back to the 1950s. The property was also subject to ISRA and a Preliminary Assessment/Site Investigation report was submitted to NJDEP to address historical operations as well as investigation of an open pipe discharge in accordance with the Technical Requirements for Site Remediation to achieve No Further Action status.

Kingston, New York

Performed a Phase I Environmental Assessment of a 640,000-square foot enclosed regional shopping mall. Additional work at this property included an extensive Phase II Subsurface Investigation in association with on-property hydraulic lifts, a leaking waste oil underground storage tank, and an oil/water separator from a former on-property automotive repair and maintenance tenant.

Brooklyn, New York

Performed a Phase II Subsurface Investigation within a building historically used as a munitions factory in the early part of the 20th century. Work performed at the property included hazardous waste classification, sump sampling, and a comprehensive asbestos survey.

Philadelphia, Pennsylvania

Obtained approval for closure-in-place of an underground fuel oil storage tank at a bank due to limited access and structural concerns and subsequent installation of groundwater monitoring wells and passive hydrocarbon recovery devices to address free product present in groundwater.

Scranton, Pennsylvania

Investigation of a dry cleaner at a strip mall located above a former coal mine. Investigation activities included review of historical maps, installation of a deep monitoring well utilizing air rotary drilling, and a full evaluation of indoor air quality.

DONALD P. HESSEMER
REGIONAL DIRECTOR

EDUCATION

Master of Environmental Health Science
Polytechnic Institute of New York
Brooklyn, New York

Bachelor of Science (Resource Management)
SUNY College of Environmental Science
Syracuse, New York

ACCREDITATIONS

Certified Hazardous Materials Manager – Institute of Hazardous Materials Management
OSHA 40-Hour HAZWOPER Training
AHERA Certified Asbestos Inspector
NYS Department of Labor – Asbestos Inspector

SUMMARY OF QUALIFICATIONS

Mr. Hessemer is an Environmental Scientist and Regional Director with more than 30 years of consulting experience in environmental due diligence, regulatory compliance, hazardous waste investigations and analytical laboratory analysis and management for public and private sector clients. He has conducted and managed site assessments for commercial and industrial properties, Phase II site investigations, remediation projects, asbestos and lead-based paint programs, and a contract laboratory program to support the EPA Superfund Program. Mr. Hessemer is well versed in ASTM due diligence standards, New Jersey Technical Requirements for Site Remediation, and the Superfund program. A Certified Hazardous Materials Manager (CHMM) and a skilled project manager, Mr. Hessemer makes sure that projects meet both the client's objectives and the project's schedule and budget. He has proven skill in coordinating large portfolio due diligence programs and teams and identifying environmental liabilities for prospective purchasers and lending institutions.

REPRESENTATIVE PROJECT EXPERIENCE

Commercial and Residential Phase I Environmental Assessments – US, UK, France, and Germany
Mr. Hessemer has performed or managed Phase I Environmental Assessments on thousands of commercial and residential properties using the latest ASTM standards. Commercial facilities include office buildings, shopping centers and malls, retail outlets, warehouses, apartment complexes, and television broadcasting studios and transmitter sites, and timberland.

Commercial and Industrial Phase II Environmental Site Assessments – Various States, US
Mr. Hessemer has prepared scopes of work for and managed numerous Phase II Site Assessments to evaluate environmental concerns identified in Phase I ESAs by providing information regarding the nature and extent of soil and groundwater contamination. Programs for soil, soil vapor, indoor air quality, groundwater sampling have been performed. Geophysical investigations have been designed to aid in soil boring placement.

Industrial Due Diligence Assessments – US, Brazil, and India
Performed or managed pre-acquisition due diligence assessments of industrial and manufacturing properties including cogeneration plants, healthcare product manufacturing facilities, a dairy plant, pulp and paper mills, compressed gas plants, electronics manufacturers, chemical plants, and printing facilities. The assessments generally included the identification of liabilities associated with site contamination, off-site contingent liabilities, and an evaluation of facility regulatory compliance with federal and state environmental regulations including permit status for water, stormwater, wastewater, air emissions, hazardous materials reporting, hazardous waste management, PCB-management, and oil storage.

Federal Regulatory Compliance Programs – US Postal Service – Metro New York City and Central New Jersey Districts
Mr. Hessemer managed two $2.5 million contracts for environmental compliance services at owned or leased postal services within Manhattan and The Bronx, NY, and Central New Jersey. Served as the single point of contact with the District Environmental Compliance Coordinators and managed the overall program administration. Responsible for making management assignments, setting priorities, and ensuring administrative support for timely project performance. Projects included turnkey asbestos, lead based paint, and lead in drinking water surveys and O&M programs, noise level surveys, personal noise dosimetry testing to measure worker exposure, drinking water testing programs, and technical review of energy audit reports.

Environmental Liability Cost Assessments - International
Served on an ENSR international due diligence team assigned to evaluate the environmental liabilities of a European based company with chemical plants in the US. Responsible for assessing the liabilities of four specific plants in the US based on technical review of environmental health and safety records including permits, investigation and remediation reports, and other EHS documents, and a site inspection of the main US facility. The assessment resulted in the identification of liabilities and associated liability cost estimation and prioritization of recommended actions.

Environmental Liability Cost Assessments – Phoenix, Arizona
Served as senior scientist member of team effort to review a lending institution's loan portfolio for environmental liabilities as part of a potential acquisition. Reviewed various documents including Phase I and Phase II ESA reports and remedial action plans. Information reviewed was used to identify environmental liabilities and assign remedial cost estimates, ranked by likelihood.

Environmental Support of Emergency Bridge Reconstruction
Served as environmental lead in support of NYCDOT's emergency reconstruction of the Borden Avenue Bridge in Long Island City, NY. Prepared a Corrective Action Plan (CAP) in response to the discovery of petroleum-contaminated sediment in the adjacent Dutch Kills water body during construction. The CAP established procedures for handling and disposal of petroleum-contaminated sediment, and provided design detail of a temporary on-site water treatment system for dewatering fluid to support a SPDES-equivalent discharge permit. Prepared permit modification requests for 6 NYCRR Part 608 Water Quality Certification, NYCRR Part 661 Tidal Wetlands Permit, and ECL Article 15 Protection of Waters Permit.

Environmental Services Oversight – New York City Schools, NY
Provided oversight of field personnel engaged in various environmental activities for the NYCSCA including Phase I ESAs, Phase II Subsurface Investigations, Indoor Air Quality and Soil Vapor Investigations, and Remediation Programs. Responsible for scope of work and report review, interfacing with client representatives, and performing periodic school site visits. (06/09 – Present)

Environmental Permitting – New York, New York
Prepared NYSDEC Petroleum Bulk Storage (PBS) Applications for fuel oil storage tanks as part of an Emergency Generator Upgrade Program for six Health and Hospital Corporation (HHC) facilities in New York City. Managed subcontractor in the preparation of NYSDEC air permit modifications.

ISRA Investigations and Remediation – Various Locations – New Jersey
Performed and managed numerous Preliminary Assessments, Site Investigations, Remedial Investigations, and Remediation at industrial establishments throughout central and northern NJ. Properties included former paper mills, a miniature lighting facility, an electronic manufacturer, an ion-exchange regeneration plant, an asphalt blending and storage terminal, a polymer compound manufacturer, label printing and packaging facility. Site investigation activities have included geophysical surveys, soil gas surveys, soil boring sampling, groundwater monitoring well installation and sampling, potable water sampling, UST investigations, concrete chip sampling, and septic system sampling. Remedial measures included excavation and disposal of petroleum contaminated soil and disposal of abandoned drums.

CERCLA Superfund Investigations

Hazardous Waste Investigation and Management, Bound Brook, NJ. Project Manager of a focused feasibility study at an inactive pesticide formulation plant in Bound Brook, New Jersey. Project involved developing remedial alternatives for dioxin contamination of a building and soils, and included field sampling of contaminated materials and subcontracting a structural engineer to evaluate the structural integrity of the building. Assistant Project Manager of a CERCLA Remedial Investigation/Feasibility Study Work Plan for the site. The proposed scope of work included characterization of the nature and extent of on-site contamination and off-site migration of contaminants, determination of potential threats to public health and the environment, and the development and evaluation of remedial alternatives.

Hazardous Waste Investigation and Management, New Brunswick, NJ. Project Manager of a field testing project at New Brunswick, New Jersey, for the EPA revised Hazard Ranking System (HRS) Model for CERCLA hazardous waste sites. Project involved collecting sufficient environmental data to test the model. Tasks included field sampling of soils, private wells, surface water, and aquatic organisms; soil borings to obtain site-specific geologic information and preparation of technical reports.

CERCLA Site Investigations, NJ, NY, and PR. Program Manager of EPA Region 2 Field Investigation Team (FIT) site investigations. Responsibilities included overall coordination of program including managing a staff of 12 site managers, project assignments, review of work plans and technical reports, scheduling and budgeting, and interfacing with client (EPA).

Hazardous Waste Investigation and Management, Newark, NJ. Sample Management Officer of an area-wide dioxin contamination investigation based in Newark, New Jersey. Tasks included interfacing with the EPA Contract Laboratory Program (CLP) office, coordinating the quality assurance program, and packaging and shipping dioxin contaminated soil samples to analytical laboratories.

Hazardous Waste Investigation and Management, Toms River, NJ. Project Scientist during remedial investigation and feasibility study of an active pharmaceutical plant. Responsibilities included acting as Health and Safety Officer during the sampling of monitoring wells, Sample Management Officer during the collection of soil samples for dioxin analysis, and technical writing during report preparation.

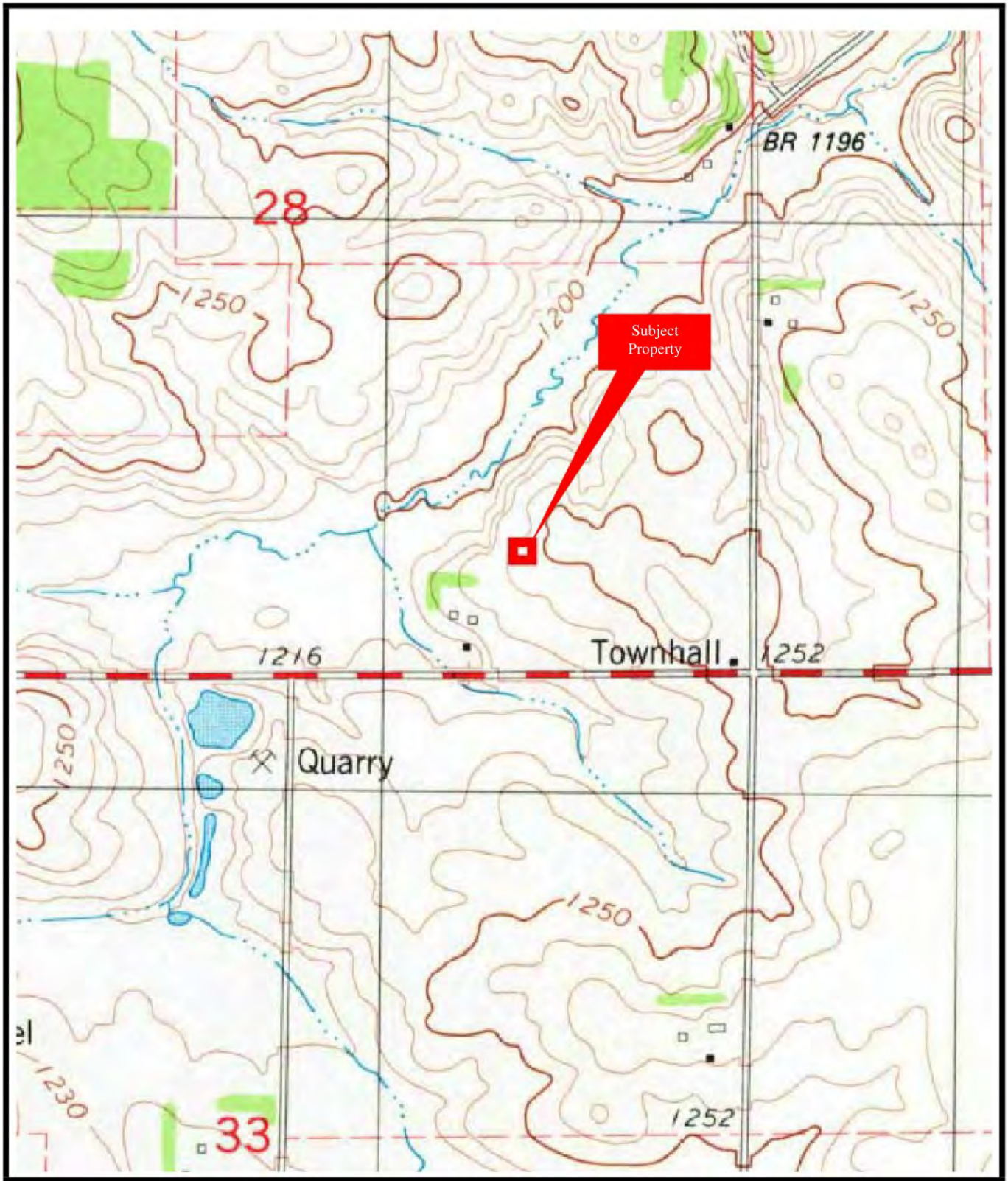
Groundwater Investigation, Hazardous Waste Investigation and Management, Niagara Falls, NY. Health and Safety Officer during the installation and sampling of monitoring wells during an area-wide groundwater study. Responsibilities included the health and safety of on-site personnel including drilling crew and air monitoring.

Hazardous Waste Investigation and Management, Grand Island, NY. Technical Oversight Scientist during dioxin analysis of samples collected from a Niagara Falls, New York, facility involved in the manufacture of 2,4,5-TCP. Responsibilities included inspection and documentation of sample management and sample preparation procedures by Occidental personnel and their consulting laboratory.

Laboratory Management

EPA Contract Laboratory Program (CLP), Inorganic Analysis - Environmental Laboratory Analysis and Management, US-wide. Project Manager of CLP Inorganic Analysis Contract. Approximately 200 samples of water and soil samples per month from Superfund sites were analyzed for priority pollutant trace metals. Responsibilities included scheduling incoming samples, assigning work for staff chemists, bidding on samples for special analysis, contact with EPA and Sample Management headquarters and attending CLP conferences. Also served as Environmental Chemist for CLP contract.

APPENDIX A
FIGURES



US DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY 7.5' TOPOGRAPHIC QUADRANGLE

Property Solutions Inc.	Industrial Warehouse 616 6th Avenue West Cresco, Iowa	Project No.: 20151992	N
Topo Quad Name: Cresco NW, Iowa		Property Boundaries are Approximate	

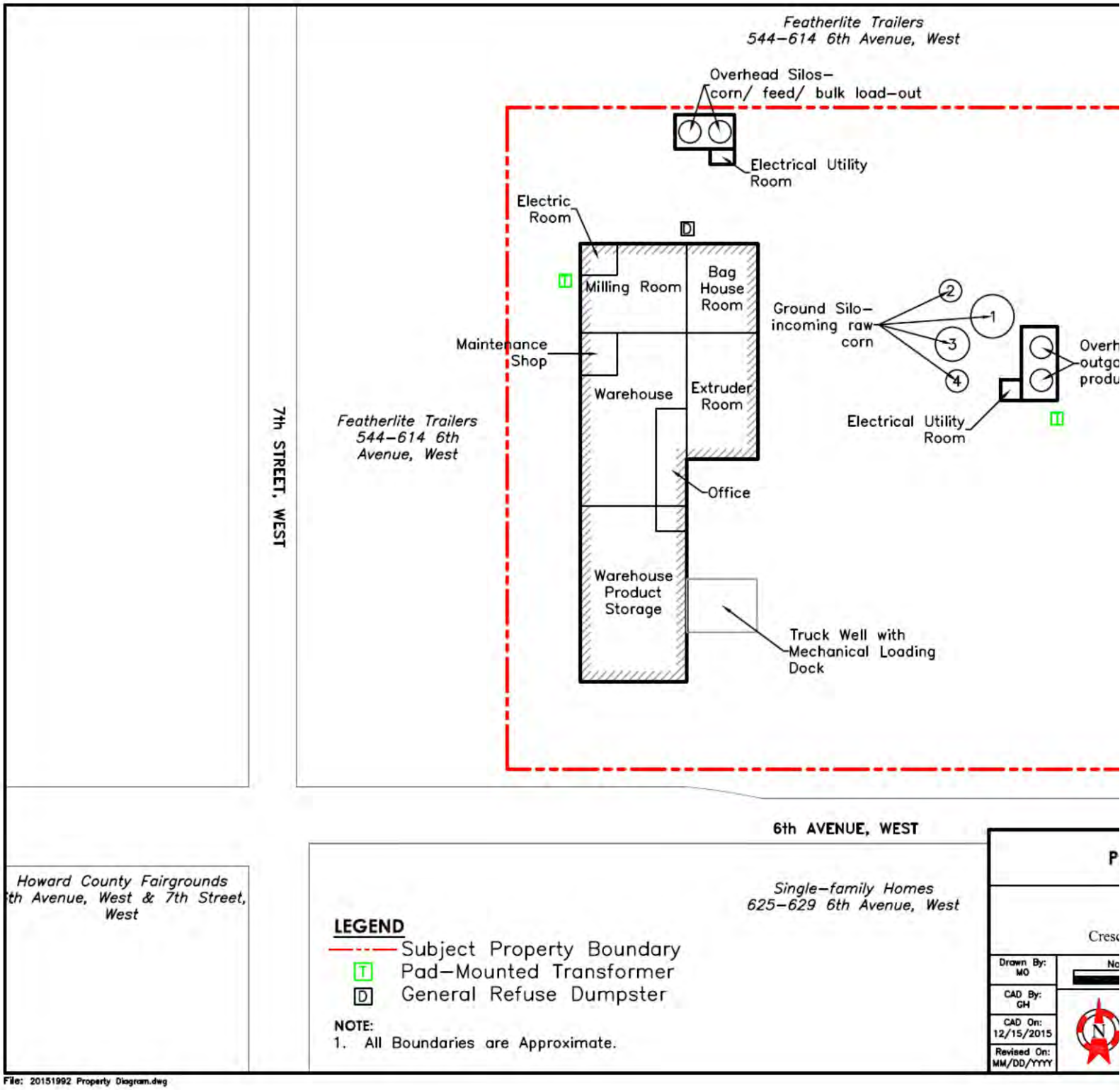
TAX MAP

Property Solutions Inc.	Industrial Warehouse 616 6th Avenue West Cresco, Iowa	Project No.: 20151992	N

WETLAND MAP

Property Solutions Inc.	Industrial Warehouse 616 6th Avenue West Cresco, Iowa	Project No.: 20151992	N

APPENDIX B
PROPERTY DIAGRAM



File: 20151992 Property Diagram.dwg

APPENDIX C
PHOTOGRAPHS

PHOTO 1.

Eastern side of the subject property.

PHOTO 2.

Southern end of the subject property.

PHOTO 3.

Western end of the subject property.

PHOTO 4.

Northern end of the subject property.

PHOTO 5.

General office space.

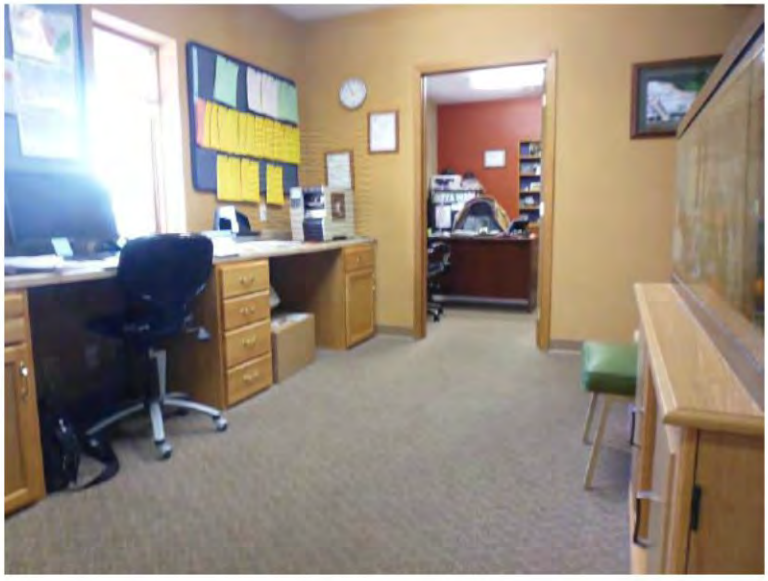


PHOTO 6.

Finished product warehouse room.

PHOTO 7.

Staircase leading to second floor mezzanine.

PHOTO 8.

Maintenance storage room under construction located on the second floor mezzanine.

PHOTO 9.

Extruder room.

PHOTO 10.

Women's bathroom.

PHOTO 11.

Milling room with second and third floor mezzanines.

PHOTO 12.

Bagging room.

PHOTO 13.

Product pick-up and delivery building located on the northeasterly side of the subject property.

PHOTO 14.

Incoming raw corn is stored in four silos which can hold a range of 1 million pounds to 150,000 pounds each outside the northeastern end of the subject building. Outgoing products are stored in two silos that can hold approximately 250,000 pound each outside the northeastern end of the subject building. One detached electrical room is present.

PHOTO 15.

Unused corn/feed is stored in two silos that can hold approximately 250,000 pounds each outside the northern end of the subject building. In addition, one detached electrical room is present.

PHOTO 16.

Air compressors located in the main warehouse electrical room.

PHOTO 17.

Electrical ceiling heating units located in the warehouse.

PHOTO 18.

Electrical room located in the main warehouse.

PHOTO 19.

One of two detached electrical rooms located on the northeastern end of the subject property.

PHOTO 20.

Southeastern adjoining property: Alert Manor multifamily residential complex located at 511 Alert Manor Drive.

PHOTO 21.

Southerly adjoining property: Single family homes located at 629, 627 and 625 6th Avenue West.

PHOTO 22.

Northern/western adjoining property: Featherlite Trailers located at 544-614 6th Avenue West.

PHOTO 23.

Southwestern adjoining property: Howard County Fairgrounds located along 6th Avenue West and 7th Street West.

PHOTO 24.

Hydraulic fork lift (one of two) located in the bagging room.

PHOTO 25.

Various minimal quantities of lubricants utilized for machine maintenance.

PHOTO 26.

Dry transformer located in the main warehouse electrical room.

PHOTO 27.

Pad-mounted transformer located on the northeasterly end of the subject property (one of two)

PHOTO 28.

Dumpster located on the northerly end of the subject property.

PHOTO 29.

Floor drain located in the women's bathroom.

PHOTO 30.

Floor drain located in the extruder room.

APPENDIX D
USER CORRESPONDENCE

Property Solutions INC.

Environmental & Engineering Consulting

Key Site Manager Questionnaire

Please provide the following information, if available, before the property visit by Property Solutions. The key site manager should be a person with good knowledge of the uses and physical characteristics of the property, such as a property manager, building manager, the chief physical plant supervisor, or maintenance supervisor.

Complete pages 1 through 3. If applicable, provide information described in subsequent pages. If additional pages for response are necessary, please attach them to this form.

Please sign your name and print your name and the date below. By signing you state that the information you provided herein is accurate to the best of your knowledge.

Signature | 11-24-15 Date | Julie Dietzenbach Print Name

Property Information

Property Name: SunOpta			Property Identification (e.g. Block & Lot or Parcel ID #):	
Property Street Address: 616--6th Ave West				
Property City: Cresco	Property County: Howard		Property State & Zip: 52136	
Property Size (acres):	# Buildings: 3	# Units:	# Stories: 3	Square footage (total):
Foundation: ☒ Slab-on-grade ☐ Basement	Property Use: ☐ Commercial ☐ Residential ☒ Industrial ☐ Other (specify)			
Describe renovations & provide dates:				

Key Site Manager Contact Information

Key Site Manager Name & Title: Julie Dietzenbach, Plant manager	Company: SunOpta	
Address: 616--6th Ave West	City: Cresco	State & Zip: 52136
Phone: 563-547-5827	Fax: 563-547-5920	
Cell phone:	Email: julie.dietzenbach@sunopta.com	

Current Property Owner

Owner Name & Title: SunOpta	Company:	
Address:	City:	State & Zip:
Date of Acquisition:		

1. UTILITIES

Utility	Provider	Utility	Provider
Electricity	Alliant Energy	Fuel Oil	
Natural Gas	Black Hills Energy	Steam	
Sanitary Sewerage	City of Cresco	Solid Waste Removal (include medical waste)	City of Cresco/Hawkeye Sanitation
Potable Water	City of Creso		

If a potable water well and/or septic system is located at property, please complete Sections 5.1.6 and/or 5.1.8.

2.1 CURRENT OPERATIONS

Is the property currently used for any of the following operations? ***(Check all that apply.)***

☒ Manufacturing operations ☐ Gasoline service station ☐ Automobile repair ☐ Printing facility ☐ Dry cleaning*
☐ Photodevelopment ☐ Junkyard or landfill ☐ Waste treatment, transfer, storage, disposal, processing, or recycling

***If dry cleaning operations currently occur or have occurred at property, please complete Section 5.1.9.**

Describe current operations:

Dry milling for food grade corn

2.2 PAST OPERATIONS & OWNERS

Has the property ever been used for any of the following operations? ***(Check all that apply.)***

☐ Manufacturing operations ☐ Gasoline service station ☐ Automobile repair ☐ Printing facility ☐ Dry cleaning*
☐ Photodevelopment ☐ Junkyard or landfill ☐ Waste treatment, transfer, storage, disposal, processing, or recycling

***If dry cleaning operations currently occur or have occurred at property, please complete Section 5.1.9.**

Describe property use/operations prior to the construction of buildings currently at the property:

The property was built for the grain milling process.

Provide previous property owners, occupants, and/or operators. Attach pages as necessary.

Company	Owner/ Occupant/ Operator	Dates of occupancy	Operations	Contact name & number

2.3 NEIGHBORING OPERATIONS

Check any operations which occur, or have occurred in the past, at adjoining properties.

☒ Manufacturing operations ☐ Gasoline service station ☐ Automobile repair ☐ Printing facility ☐ Dry cleaning*
☐ Photodevelopment ☐ Junkyard or landfill ☐ Waste treatment, transfer, storage, disposal, processing, or recycling

3. EXISTING DOCUMENTATION

Does the following documentation exist? If yes, please provide copies.

Yes	No		Yes	No	
☐	☒	ESA Reports	☐	☒	Community Right-to-know plan
☐	☒	Env. Compliance Audit Reports	☒	☐	Safety Plans
☐	☒	Environmental Permits	☐	☒	SPCC Plans
☐	☒	UST/AST registrations	☒	☐	Emergency preparedness & prevention plans
☐	☒	Underground injection permits	☐	☒	Hydrogeologic reports
☒	☐	MSDS	☐	☒	Government correspondence & violations
☐	☒	Hazardous waste generator notices	☐	☐	Recorded AULs
☐	☒	Geotechnical studies	☐	☒	Environmental Liens
☒	☐	Risk Assessments	☐	☐	Other _____

4. KNOWN ENVIRONMENTAL CONCERNS

	Yes	No
Are you aware of any pending, threatened, or past litigation relevant to *hazardous substances* or *petroleum products* in, on, or from the property?	☐	☒
Are you aware of any pending, threatened, or past administrative proceedings relevant to *hazardous substances* or *petroleum products* in, on, or from the property?	☐	☒
Are you aware of any notices from governmental agencies regarding possible violation of environmental laws or possible liability relating to *hazardous substances* or *petroleum products*?	☐	☒
Are you aware of any remediation activities that have occurred at the property or adjacent properties in response to contaminated soil, groundwater, and/or surface water?	☐	☒
Are you aware of any proposed remediations at the property?	☐	☒

If yes to any of the above, describe. Attach pages as necessary. ____

Are you aware of any of the following currently or previously located at the subject property?

(Check all that apply. If you answer yes to any of the items, provide the additional information described on the following pages.)

	Yes – currently	Yes – previously	No – never	If yes, provide additional information in section below:
Underground storage tanks:	☐	☐	☒	***5.1.1***
Aboveground storage tanks:	☐	☐	☒	***5.1.2***
Electrical transformers or capacitors:	☒	☐	☐	***5.1.3***
Hydraulic equipment, including elevators, dock levelers, lifts, compactors, & balers:	☒	☐	☐	***5.1.3***
Chemical storage (greater than 5 gallons):	☐	☐	☒	***5.1.4***
Hazardous wastes, including used oil:	☐	☐	☒	***5.1.5***
Wells, including potable water wells, monitoring wells, test wells:	☐	☐	☒	***5.1.6***
Sumps:	☐	☐	☒	***5.1.6***
Pits:	☐	☐	☒	***5.1.6***
Floor drains:	☒	☐	☐	***5.1.6***
Surface water bodies, stormwater discharge, and/or wetlands:	☒	☐	☐	***5.1.7***
Lagoons:	☐	☐	☒	***5.1.8***
Septic systems:	☐	☐	☒	***5.1.8***
Oil water separators:	☐	☐	☒	***5.1.8***
Dry cleaners:	☐	☐	☒	***5.1.9***
Asbestos:	☐	☐	☒	***5.2.1***
Radon studies/mitigation systems:	☐	☐	☒	***5.2.2***
Lead:	☐	☐	☒	***5.2.3***
Air emissions, including emergency generators, fume hoods, & spray paint booths:	☐	☐	☒	***5.2.4***
Mold growth and/or water intrusion:	☐	☐	☒	***5.2.5***

If you have answered No to all of the above, you are finished with the Questionnaire.

5. ADDITIONAL INFORMATION

Underground Storage Tanks (USTs)

If USTs are/were located at the property (including closed or removed USTs), complete the following tables:

UST No.	Capacity (gallons)	Contents	Material of Construction	Install Date	LD? (Y/N)	CP? (Y/N)	S/O? (Y/N)	DLIT
1								
2								
3								
4								
5								

LD: Leak detection, CP: Corrosion Protection, S/O: Spill/Overflow Protection, DLIT: Date of last integrity test

UST No.	Location/Former Location	Use/Former Use	Registered? (Y/N)	Permit No.	Status
1					
2					
3					
4					
5					

Status: ACT – Active, NIU - Not in use, REM – Removed, CIP – Closed in place

Do any underground pipelines traverse the property? Include easements. Yes ☐ No ☐

Please attach additional UST information and documentation, including tightness test reports, closure reports, registration forms, permits, correspondence (e.g. No Further Action letters), and approvals.

Aboveground Storage Tanks (ASTs)

If ASTs (include & indicate **silos**) are/were located at the property, please describe:

Capacity (gallons)	Contents	Material of Construction	Location	Install Date	Secondary Containment? (Y/N)	Permit # &/or Facility #	Status	Registered? (Y/N)

Status: ACT – Active, NIU - Not in use, REM – Removed

Please attach any additional AST documentation.

Electrical & Hydraulic Equipment

Are the transformers labeled "Non-PCB" or has the owner verified they are Non-PCB? Yes ☐ No ☐

Have any releases of dielectric fluid occurred? Yes ☐ No ☒

Are dry-type transformers located at the property? Yes ☐ No ☐

Do any high-tension electric transmission lines traverse the property? Include easements. Yes ☐ No ☐

Number of hydraulic elevators at the property: _____ Number of cable-drawn elevators at property: 0

If applicable, who services the hydraulic elevators? _____

Describe any other hydraulic equipment at the property (including trash compactors, lifts, & dock levelers):

_____

If hydraulic elevators are located at property, have any hydraulic fluid releases occurred? Yes ☐ No ☐

Chemical Storage

Chemical	Use	Amount Stored	Type of Container	MSDS present? (Y/N)	Leaks from container?

Has a significant release of chemicals (greater than 5 gallons) occurred at the property? Yes ☐ No ☒

Are you aware of any parts cleaners or degreasers located at the property? Yes ☐ No ☒

Please attach additional chemical storage information/documentation, including information concerning any releases, if applicable.

Waste Generation

Waste type/description	Location stored on property	Quantity generated per month	Waste manifest? (Y/N)	Waste handler

Please attach additional waste information, including copies of waste manifests for each above types of waste.

Wells, Sumps, Pits, & Floor Drains

Wells: Describe wells present at the property, include quantity, type (monitoring, test, potable water supply, etc.), active/inactive, depths of wells, and locations.

If water quality tests have been performed on water provided by wells, please attach copy of analytical results.

Sumps: Describe location, whether they are equipped with pumps, and if so, to where the pumps discharge.

Pits: Describe pits' construction and whether equipped with sump. Include hydraulic elevator pits and quantity, and to where sump discharges or if it retains all it collects.

Floor drains: Indicate locations and to where they discharge.

Is/are grease trap(s) located at the property? If yes, please provide following information. Yes ☐ No ☐

Locations: _____ Construction: _____

Who services them? _____ How often cleaned out? _____

Surface Water Bodies & Stormwater Discharge

Are stormwater retention or detention basins located at the property? Yes ☐ No ☒

If yes, are there outflow or overflow structures? Yes ☐ No ☒

Are there streams and/or ponds at the property? Yes ☐ No ☒

Are wetlands located at the property? Yes ☐ No ☒

If yes, where? _____

To where do roof drains/leaders discharge? _____

Does the property have a NPDES permit? Yes ☐ No ☒

Lagoons, Septic Systems, & Separators

Lagoons: Describe purpose, years of existence, and location:

Septic system: If currently or previously located at property, provide following: ☐ Active ☐ Inactive ☐ Closed

Type: ☐ Tank ☐ Leach field ☐ Spray field ☐ Cesspool ☐ Other (specify) ____

Describe location: _____

Separator: If an oil/water separator is located at the property, provide following:

Location: _____ Discharges to: _____ Tank capacity: _____

Construction: _____ Permit required? _____ Used oil removed by: _____

Drycleaners

Establishment Name	
Establishment Address	
Years of Operation	
Unit Manufacturer	
Unit Model	
Model Year	
Model Type	
Installation Date	
Original or Replacement Unit	
Air Discharge	☐ Yes ☐ No
Condensate Discharge	☐ Yes ☐ No
Condensate Receptor	☐ Floor drain ☐ Collection bucket ☐ Other _____
Solvent Storage	(location and/or internal reservoir)
Solvent Supplier	
Method of Filling Solvent	☐ Via pump truck directly ☐ Poured by hand
Solvent Type	
Spent Solvent Removal	
Secondary Containment	☐ Yes Type _____ ☐ No
Solvent-resistant floor coating	☐ Yes ☐ No
Floor Drains or Sumps	☐ Yes ☐ No
Slab or basement	
Cracks or Staining	
Filters	☐ Yes ☐ No
Condensate Atomizer/Mister	☐ Yes ☐ No
RCRA Identification Number	

Material & Waste Handling

Material	Location	Container Type/ Capacity	Disposal Method	Disposal Company	Manifests/ MSDS	Secondary Containment
Lint						
Filters						
Condensate						
Spent Solvent						
Off-spec chemicals						
Fresh solvent			N/A	N/A		
Other Chemicals			N/A	N/A		

Dry cleaning continued on next page.

5.1.9 Drycleaning - continued

Have secondary containment structures been installed around or beneath each machine or item of equipment in which dry cleaning solvents are used?	Yes ☐	No ☐
If yes, then indicate when the containment structure(s) was installed:		
Have secondary containment structures been installed around or beneath each area where dry cleaning solvents and / or waste which contains dry cleaning solvents are stored?	Yes ☐	No ☐
If yes, indicate date when the containment structure(s) was installed:		
Have the floor surfaces of the dry cleaning facility been sealed or otherwise rendered impervious in all areas in which solvents may leak, spill, or otherwise be released?	Yes ☐	No ☐
If yes, indicate when the floors were sealed:		
Has new equipment with closed-loop technology been installed?	Yes ☐	No ☐
Has old equipment been retrofitted with closed-loop technology?	Yes ☐	No ☐
Have floor drains ever been present at the premises?	Yes ☐	No ☐
Has the facility ever been connected to a septic system?	Yes ☐	No ☐
Describe any spilling, leaking, seeping, pouring, emitting, emptying, dumping, or mis-application of dry cleaning solvents that has occurred at any time during the operation of the facility prior to this application (attach additional pages if necessary). If none, so state.		
Describe how wastes are disposed of (attach additional pages if necessary).		

Historical Dry Cleaning Operations

Dry Cleaner Name	Address	RCRA ID Number	Years of Operation

5.2.1 Asbestos-containing materials

Describe asbestos-containing materials (ACMs) at the property, amount, location, & type.

Has an asbestos survey been conducted at the property?	Yes ☐	No ☒
Has an asbestos abatement been conducted at the property?	Yes ☐	No ☒
Is an ACM Operations & Maintenance Plan in place at the property?	Yes ☐	No ☒

If yes to the above questions, please attach reports/documentation.

5.2.2 Radon

Has a radon study been conducted at the property? **If yes, please provide.**	Yes ☐	No ☒

Describe radon mitigation systems at the property, including type (active/passive) and locations.

5.2.3 Lead

Are there sources of lead (aside from lead-based paint – discussed below) at the property, such as water or soil contamination?	Yes ☐	No ☐
Are lead-based paints located at the property? If yes, describe locations.	Yes ☐	No ☐

If the property is residential, does HUD own the property or does the owner receive mortgage insurance under a program administered by HUD?	Yes ☐	No ☐
If the property is residential, does the property (or any of its tenants) receive project-based rental assistance under a HUD program (including Section 8 housing)?	Yes ☐	No ☐
If yes to the above, is the amount more than $5,000 per year per unit?	Yes ☐	No ☐
Has a lead-based paint survey and/or abatement been conducted at the property?	Yes ☐	No ☐

If yes to the above question, please attach lead-based paint survey and/or abatement documentation.

5.2.4 Air Emissions

Have federal, state, county, or local permits been applied for and/or received for operations conducted at the property for air emissions? If yes, please describe – include permit number, issuing authority, purpose of permit, date of approval or denial, and expiration date. Yes ☐ No ☒

If an emergency generator is located at property, please provide the following information:

Make/model: _____ Kilowatts: _____ Fuel: _____

How often does it run? _____ Owner: _____ Tank size: _____

Permits required? _____ Location: _____ Permit No. & Exp. Date: _____

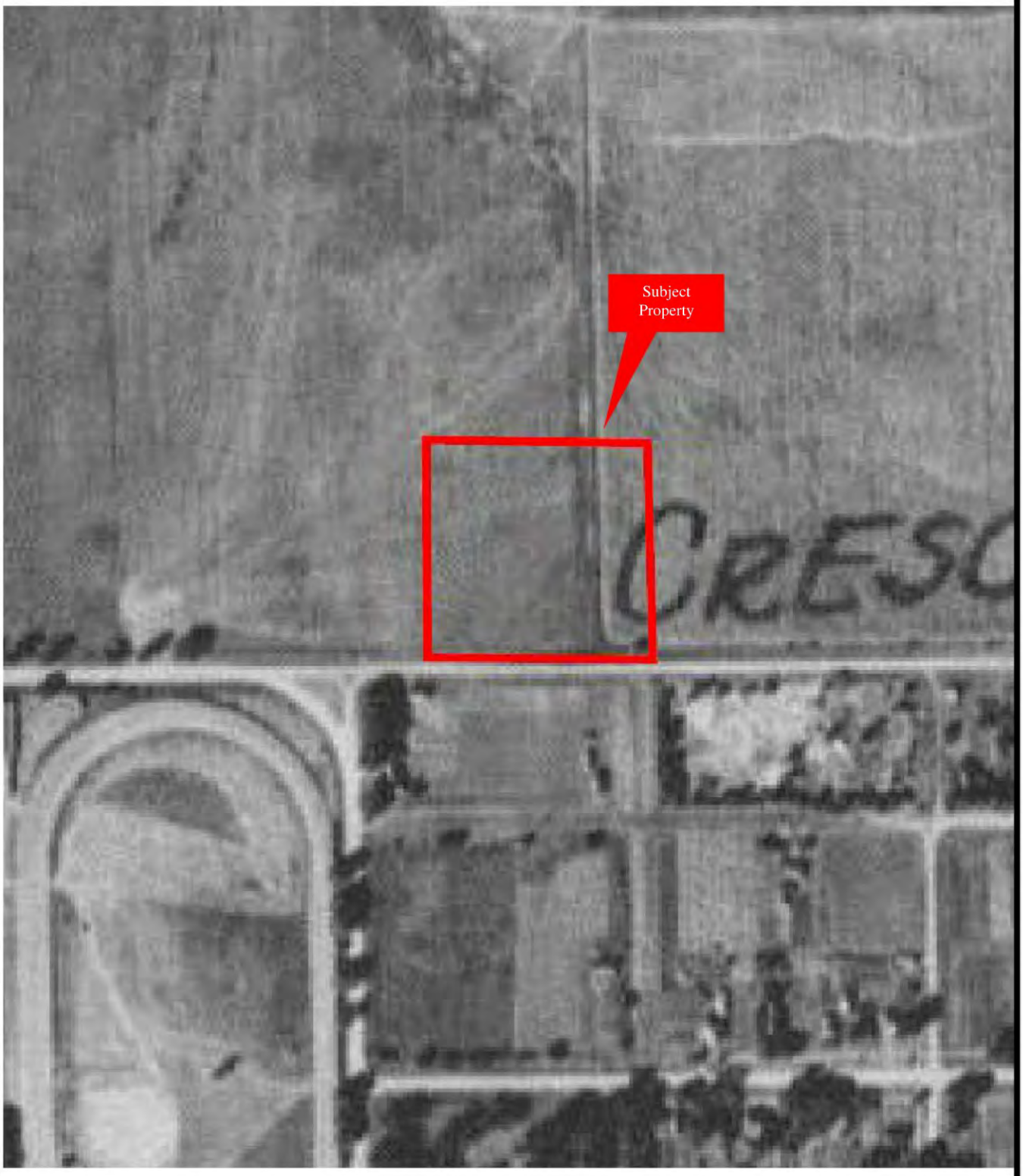
Is/are there spray paint booth(s) located at the property? If yes, indicate frequency air filters are changed, disposal method, and whether air emissions permits are required. Yes ☐ No ☐

5.2.5 Water Intrusion

Are you aware of any current water leaks?	Yes ☐	No ☐
Are you aware of any past water leaks?	Yes ☐	No ☐
Is/are the building(s) air conditioned?	Yes ☐	No ☐
Is mold visible in the building(s)?	Yes ☐	No ☐
Is there a pool or other water features (such as a fountain) in the building(s)?	Yes ☐	No ☒
Are the bathrooms and dryers (if applicable) vented to the exterior?	Yes ☐	No ☐
Have there been reports of illness due to air quality, or any indoor air quality or ventilation problems at the property?	Yes ☐	No ☒
Does property management have a mold response plan?	Yes ☐	No ☐

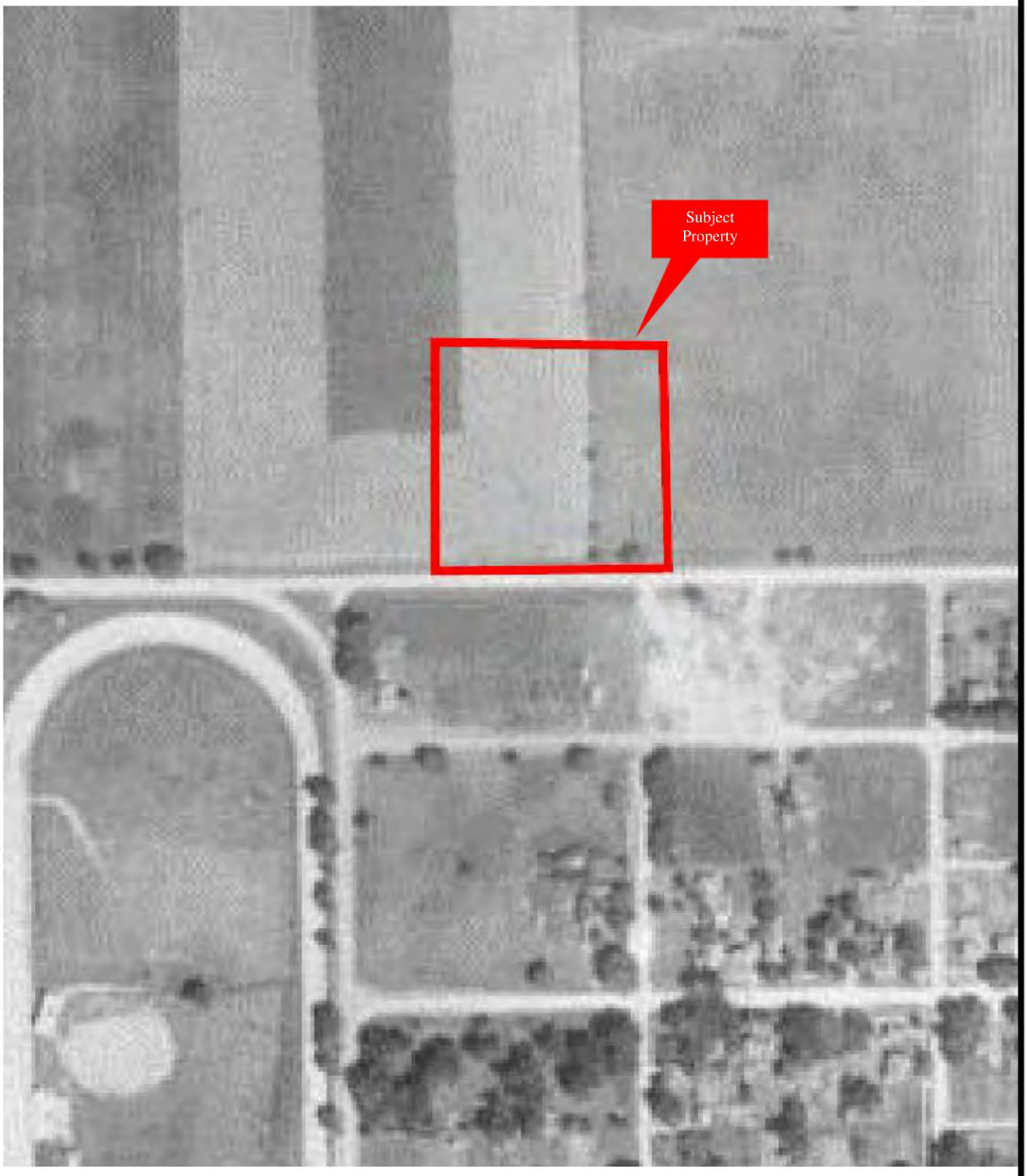
Please attach water intrusion documentation, including a mold response plan, mold handling plan, or laboratory results from mold samples collected at the property.

APPENDIX E
AERIAL PHOTOGRAPHS



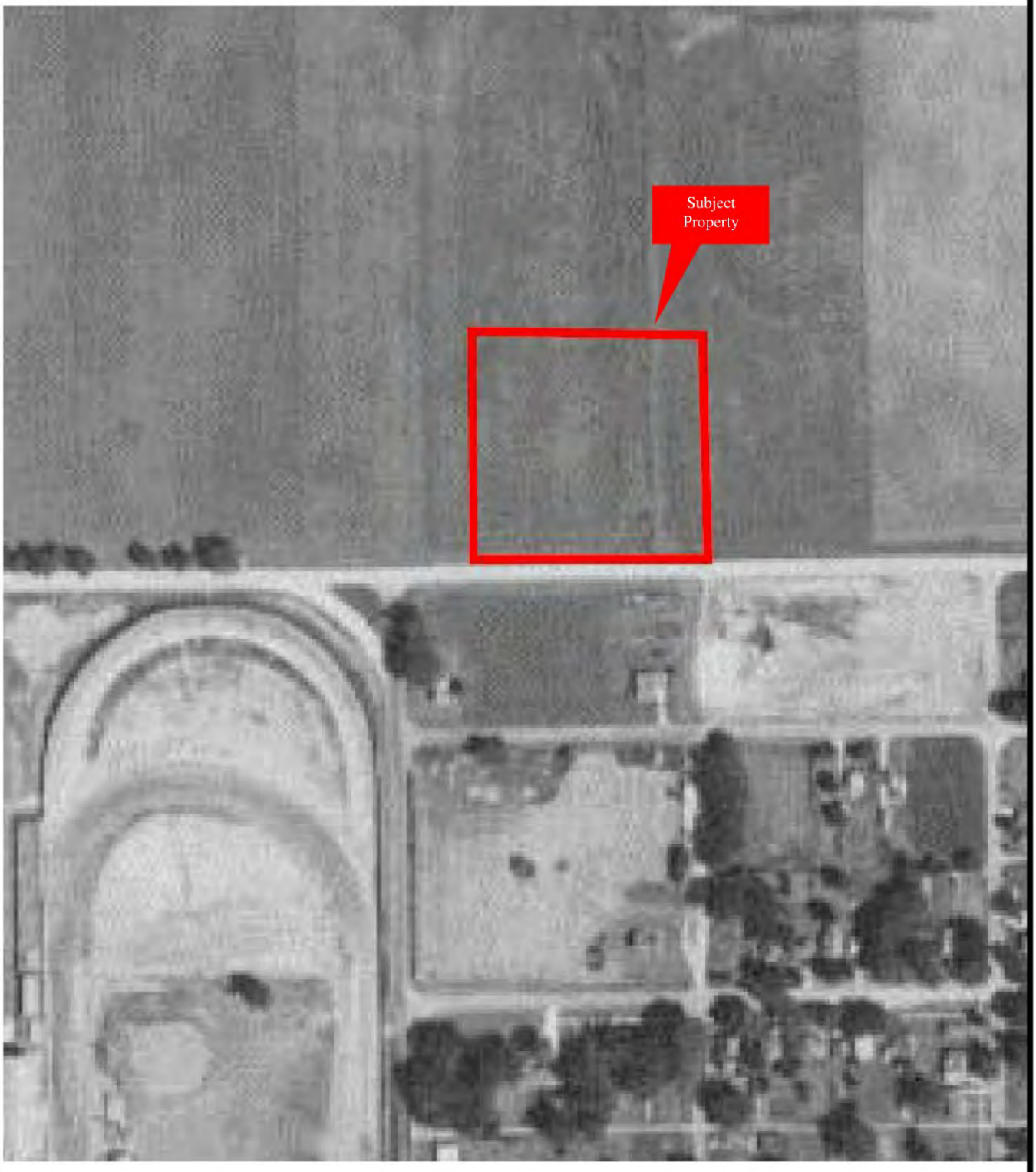
1937 AERIAL PHOTOGRAPH

Property Solutions Inc.	Industrial Warehouse 616 6th Avenue West Cresco, Iowa	Project No.: 20151992	N
Aerial Company & Location: EDR, Shelton, CT		Property Boundaries are Approximate	



1952 AERIAL PHOTOGRAPH

Property Solutions Inc.	Industrial Warehouse 616 6th Avenue West Cresco, Iowa	Project No.: 20151992	N
Aerial Company & Location: EDR, Shelton, CT		Property Boundaries are Approximate	

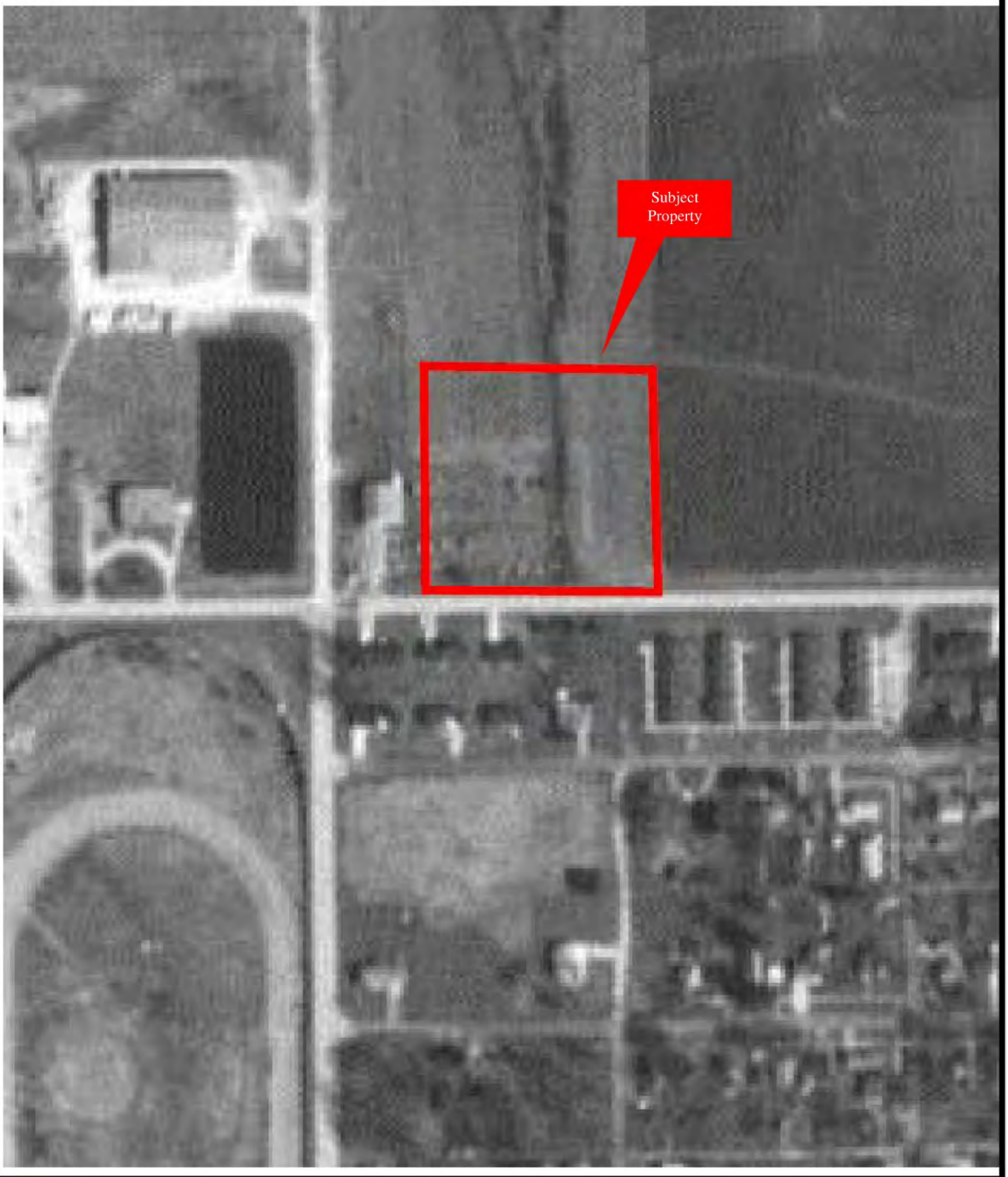


1964 AERIAL PHOTOGRAPH

Property Solutions Inc.	Industrial Warehouse 616 6th Avenue West Cresco, Iowa	Project No.: 20151992	N
Aerial Company & Location: EDR, Shelton, CT		Property Boundaries are Approximate	

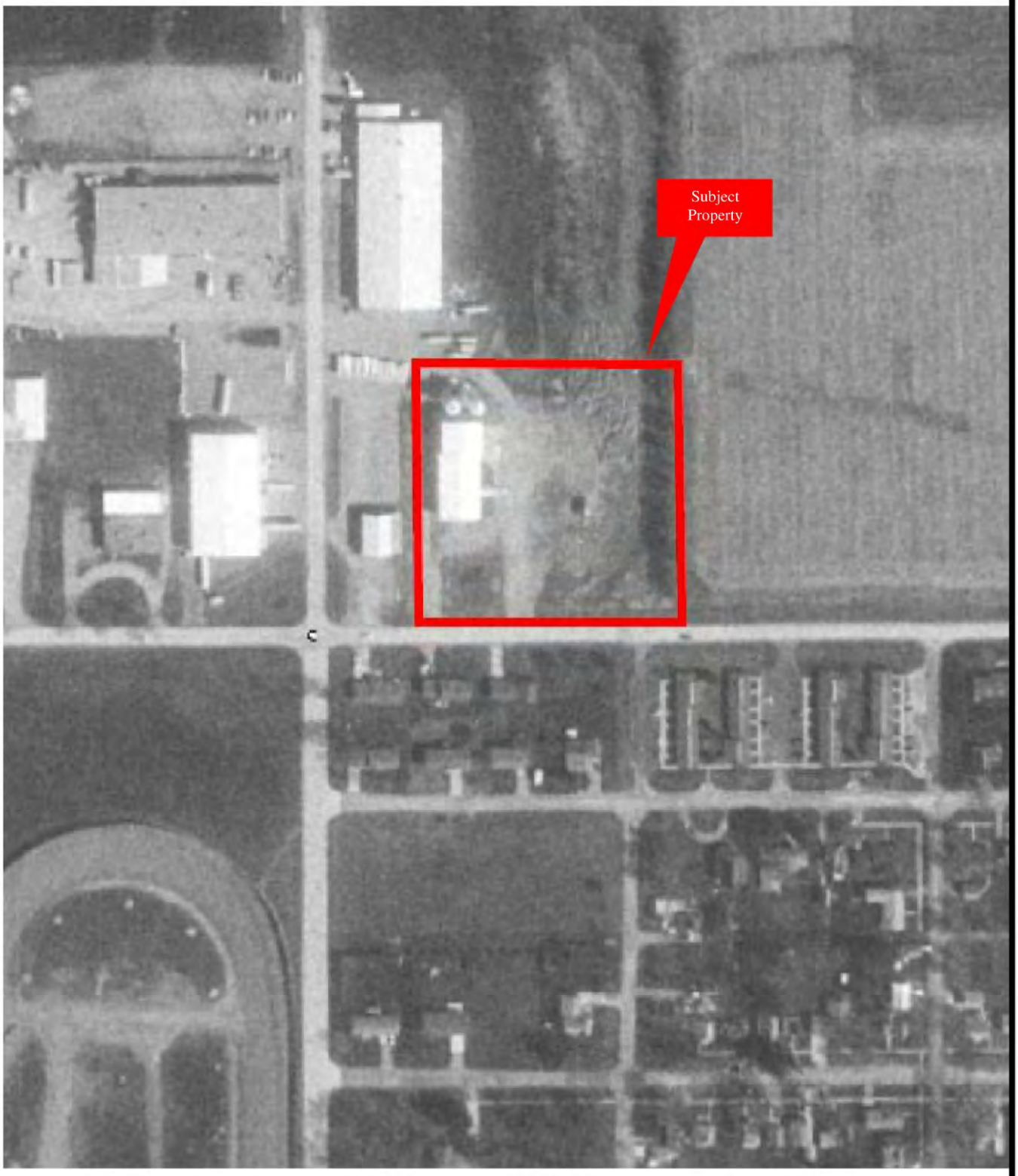
1970 AERIAL PHOTOGRAPH

Property Solutions Inc.	Industrial Warehouse 616 6th Avenue West Cresco, Iowa	Project No.: 20151992	N
Aerial Company & Location: EDR, Shelton, CT		Property Boundaries are Approximate	



1982 AERIAL PHOTOGRAPH

Property Solutions Inc.	Industrial Warehouse 616 6th Avenue West Cresco, Iowa	Project No.: 20151992	N
Aerial Company & Location: EDR, Shelton, CT		Property Boundaries are Approximate	



1994 AERIAL PHOTOGRAPH

Property Solutions Inc.	Industrial Warehouse 616 6th Avenue West Cresco, Iowa	Project No.: 20151992	N
Aerial Company & Location: EDR, Shelton, CT		Property Boundaries are Approximate	

2005 AERIAL PHOTOGRAPH

Property Solutions Inc.	Industrial Warehouse 616 6th Avenue West Cresco, Iowa	Project No.: 20151992	N
Aerial Company & Location: EDR, Shelton, CT		Property Boundaries are Approximate	

2006 AERIAL PHOTOGRAPH

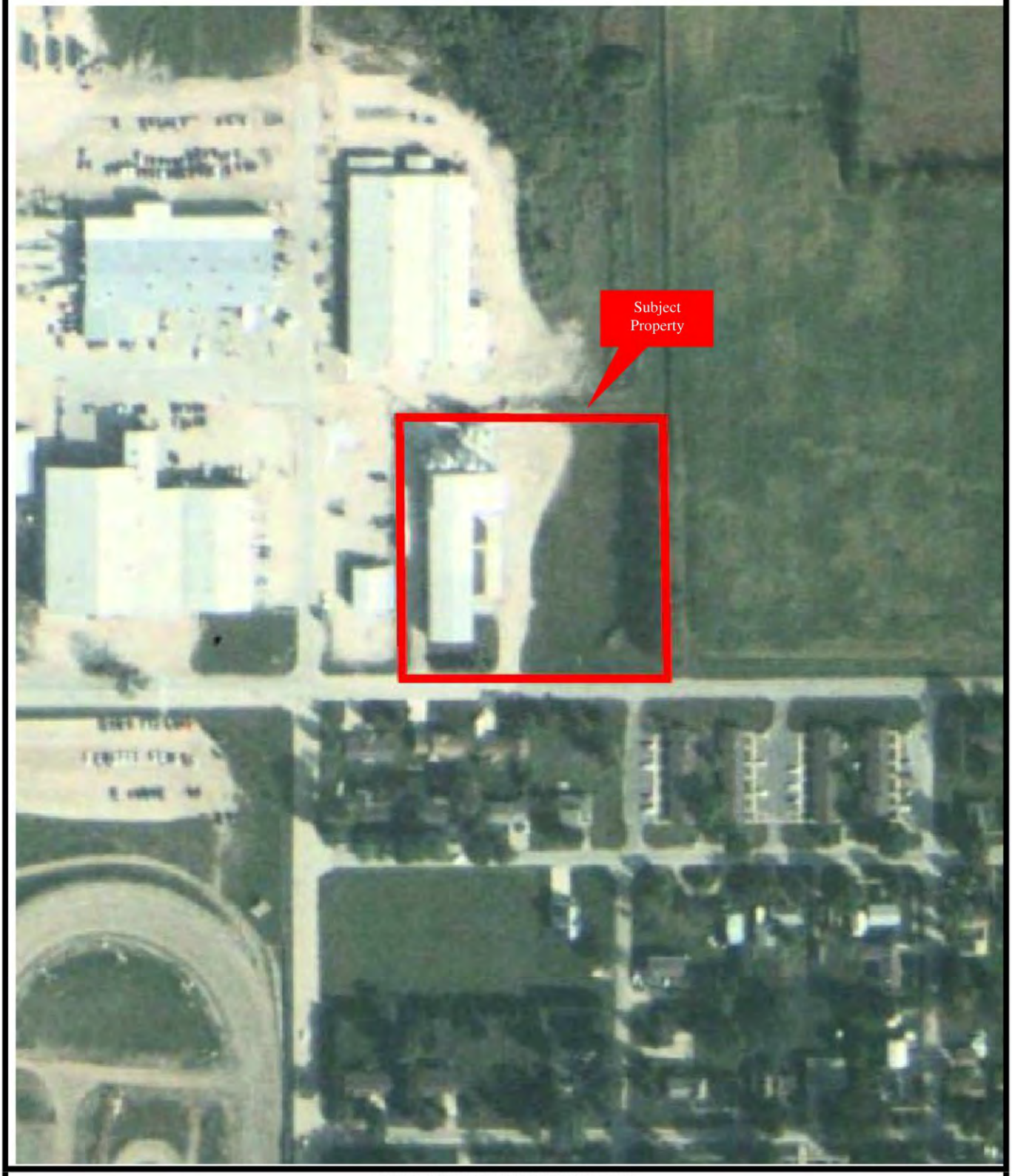
Property Solutions Inc.	Industrial Warehouse 616 6th Avenue West Cresco, Iowa	Project No.: 20151992	N
Aerial Company & Location: EDR, Shelton, CT		Property Boundaries are Approximate	

2007 AERIAL PHOTOGRAPH

Property Solutions Inc.	Industrial Warehouse 616 6th Avenue West Cresco, Iowa	Project No.: 20151992	N
Aerial Company & Location: EDR, Shelton, CT		Property Boundaries are Approximate	

2008 AERIAL PHOTOGRAPH

Property Solutions Inc.	Industrial Warehouse 616 6th Avenue West Cresco, Iowa	Project No.: 20151992	N
Aerial Company & Location: EDR, Shelton, CT		Property Boundaries are Approximate	

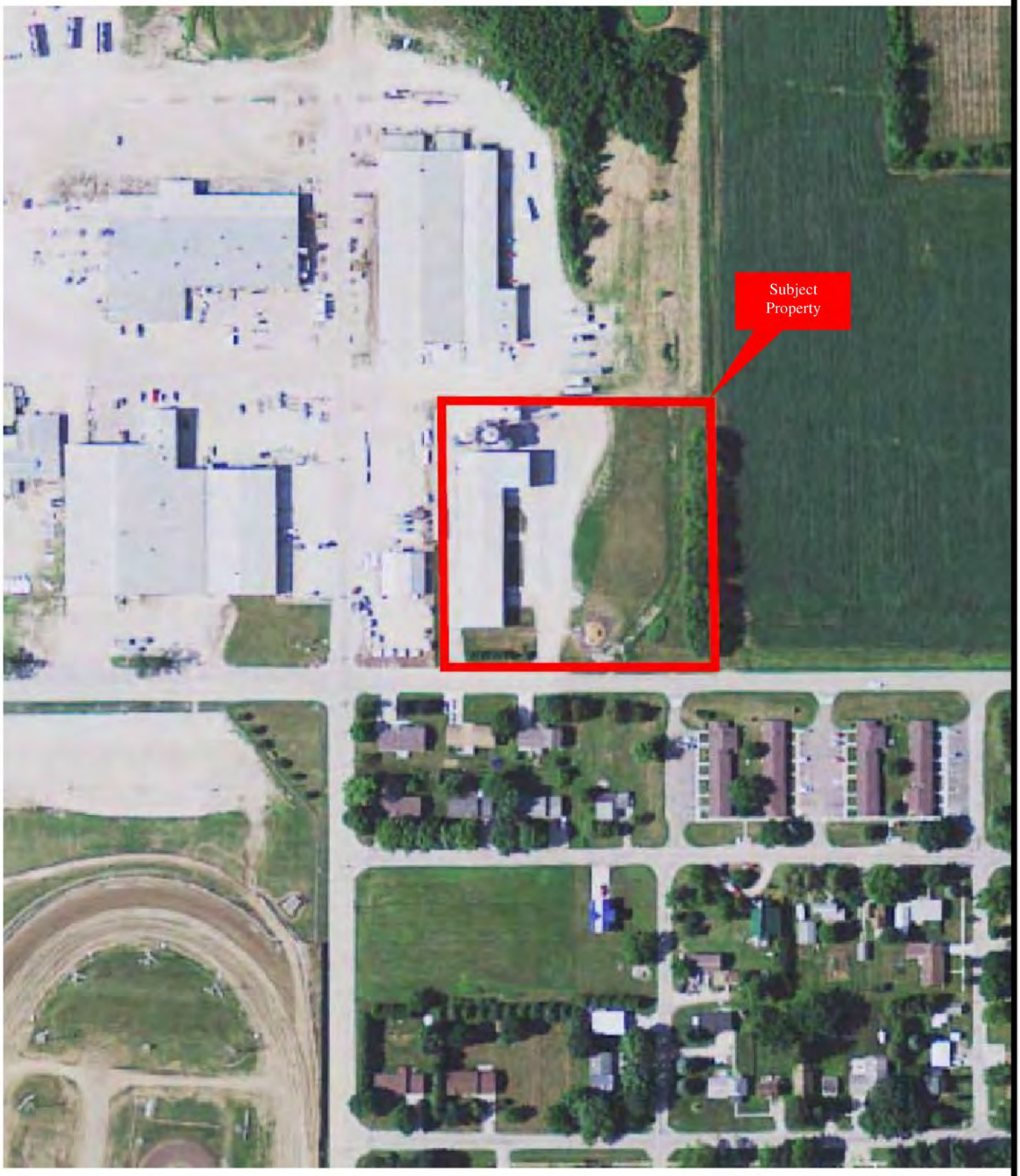


2009 AERIAL PHOTOGRAPH

Property Solutions Inc.	Industrial Warehouse 616 6th Avenue West Cresco, Iowa	Project No.: 20151992	N
Aerial Company & Location: EDR, Shelton, CT		Property Boundaries are Approximate	

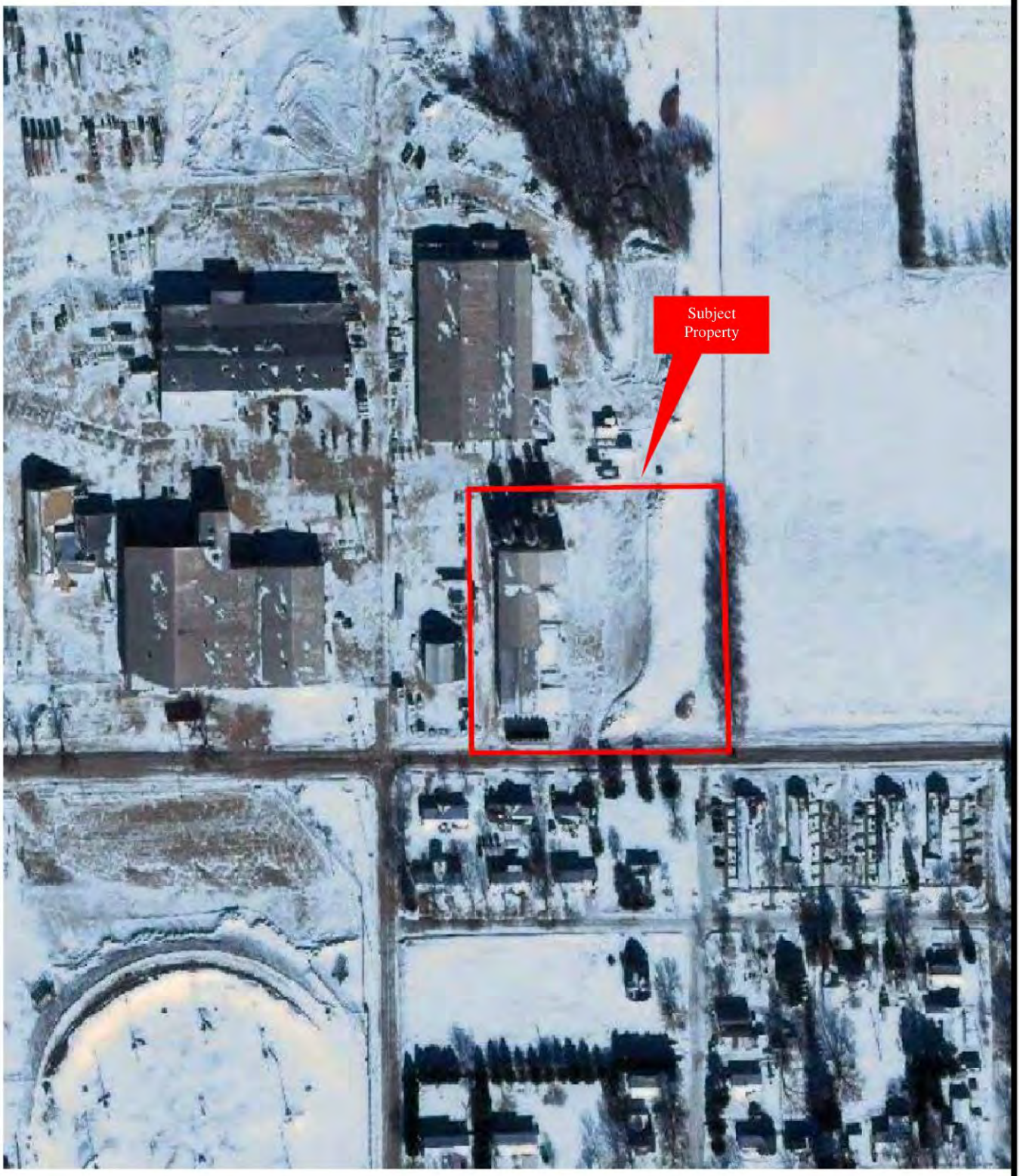
2010 AERIAL PHOTOGRAPH

Property Solutions Inc.	Industrial Warehouse 616 6th Avenue West Cresco, Iowa	Project No.: 20151992	N
Aerial Company & Location: EDR, Shelton, CT		Property Boundaries are Approximate	



2011 AERIAL PHOTOGRAPH

Property Solutions Inc.	Industrial Warehouse 616 6th Avenue West Cresco, Iowa	Project No.: 20151992	N
Aerial Company & Location: EDR, Shelton, CT		Property Boundaries are Approximate	



2013 AERIAL PHOTOGRAPH

Property Solutions Inc.	Industrial Warehouse 616 6th Avenue West Cresco, Iowa	Project No.: 20151992	N
Aerial Company & Location: TerraServer, Raleigh, NC		Property Boundaries are Approximate	

2015 AERIAL PHOTOGRAPH

Property Solutions Inc.	Industrial Warehouse 616 6th Avenue West Cresco, Iowa	Project No.: 20151992	N
Aerial Company & Location: TerraServer, Raleigh, NC		Property Boundaries are Approximate	

APPENDIX F
HISTORIC MAPS

Sunopta Facility
616 6th Avenue West
Cresco, IA 52136

Inquiry Number: 4473002.3
November 20, 2015

Certified Sanborn® Map Report

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

Certified Sanborn® Map Report

11/20/15

Site Name:
Sunopta Facility
616 6th Avenue West
Cresco, IA 52136

Client Name:
Property Solutions, Inc.
323 New Albany Road
Moorestown, NJ 08057

EDR Inquiry # 4473002.3

Contact: Brian Gallagher

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Property Solutions, Inc. were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Site Name: Sunopta Facility
Address: 616 6th Avenue West
City, State, Zip: Cresco, IA 52136
Cross Street:
P.O. # NA
Project: 20151992
Certification # 331B-4CBC-9E48

UNMAPPED PROPERTY

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

Sanborn® Library search results
Certification # 331B-4CBC-9E48

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ✓ Library of Congress
- ✓ University Publications of America
- ✓ EDR Private Collection

The Sanborn Library LLC Since 1866™

Limited Permission To Make Copies

Property Solutions, Inc. (the client) is permitted to make up to FIVE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

Disclaimer - Copyright and Trademark notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

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APPENDIX G
PREVIOUS REPORTS AND PLANS

Not provided

APPENDIX H
CHAIN OF TITLE / ENVIRONMENTAL LIENS

Not provided

APPENDIX I
CORRESPONDENCE

Howard County Assessor

Hosted by Vanguard Appraisals, Inc

Parcel Number: 321592200090000
Deed Holder: SUNRICH INC
Property Address:
Class: INDUSTRIAL
Map Area: INDUSTRIAL
Tax District: HW
Zoning: -- NONE --
Sec-Twp-Rng: 022-099-011
Lot-Block: -
Legal Description: S 372' LOT 1 SE SW NE
Property Report: PROPERTY REPORT (PDF FILE)

1 / 8

LandValue	Dwelling Value	Improvement Value	TotalValue
$82,750	$0	$534,910	$617,660

Prior Year Value Information

Year	Land Value	Dwelling Value	Improvement Value	Total Value
2015	$82,750	$0	$534,910	$617,660
2014	$82,750	$0	$534,910	$617,660

More Years...

Land Information

Lot Type	Square Feet	Acres
Site and Excess	144,184	3.310

Commercial Building Information

Occupancy	Year Built	Building Area
Metal Light Mfg - Steel	1993	6,000
Metal Light Mfg - Steel	1993	3,000
Metal Light Mfg - Steel	2004	2,000
Metal Warehouse - Steel Frame	2002	6,000
Metal Office	2012	2,576
Metal Warehouse - Steel Frame	2002	680
Metal Warehouse - Steel Frame	2012	798

Yard Extra Information

Description	Item Count	Year Built
Bucket Conveyor (Leg)	1	2012
Hopper Bin (Commercial)	1	2012
Hopper Bin (Commercial)	2	2000
Leg Towers	1	2012
Pneumatic Conveying System	1	2012
Pneumatic Conveying System	1	2002
Sheds	1	2013

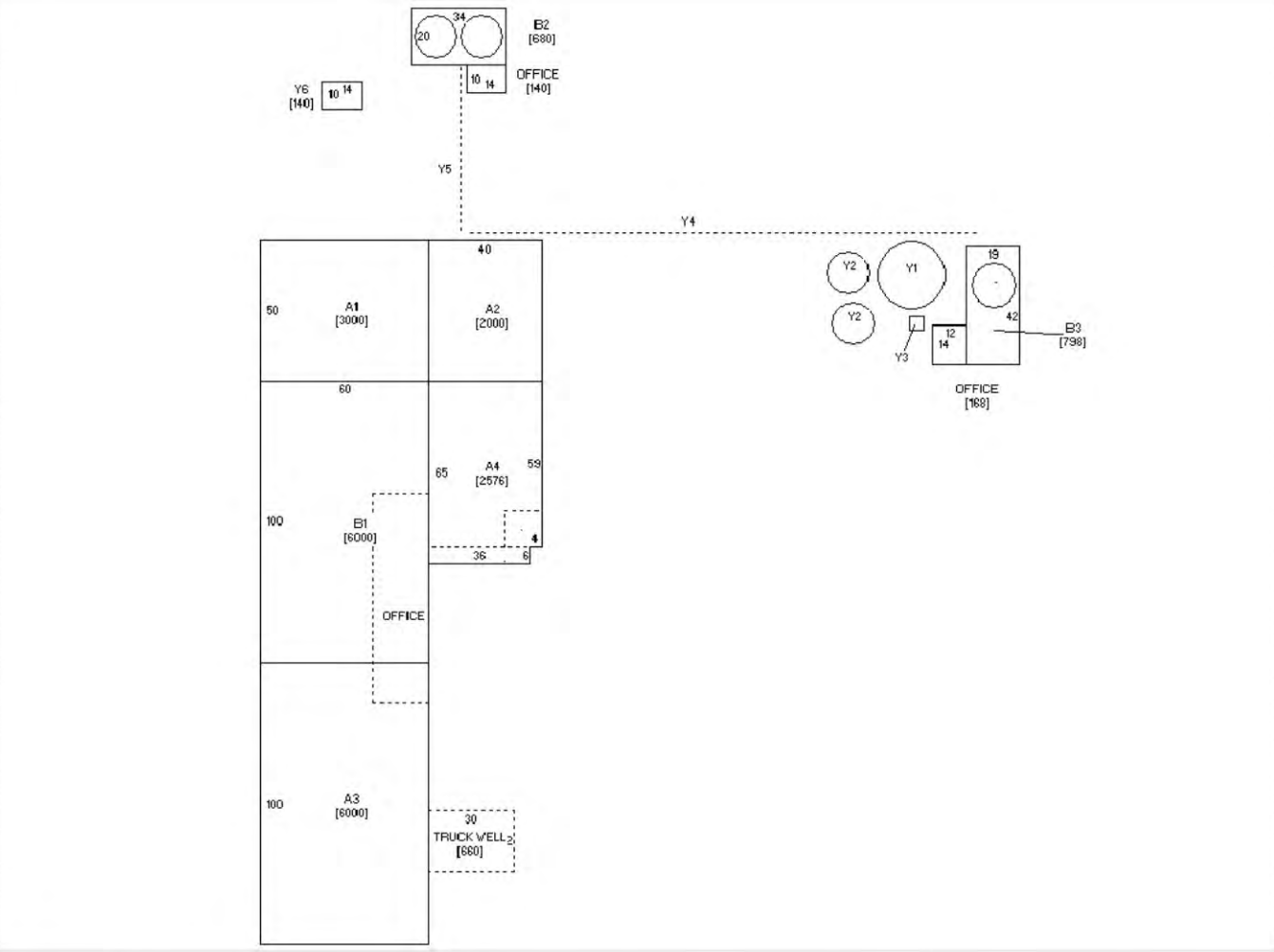
Building Permit Information

Back to top

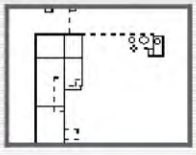
Date	Number	Tag Descr	Tag Date	Amount	Reason
03/20/2013		Yes	01/01/2014	0	Misc

Sketch

Back to top

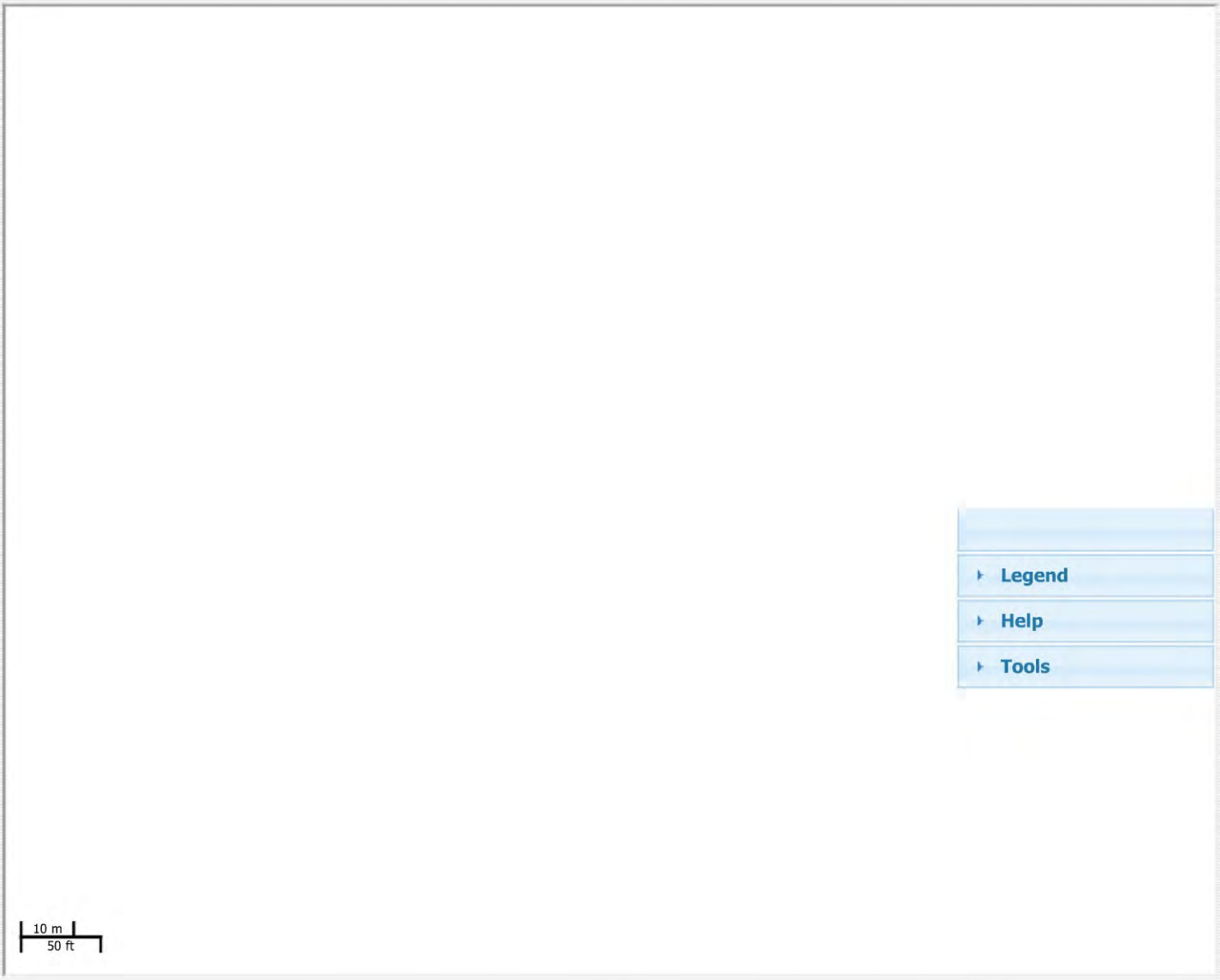


1 / 1



GIS Map Information

Back to top



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Property Solutions INC.
Environmental & Engineering Consulting

323 New Albany Road • Moorestown, New Jersey 08057 • 856-813-3000 • Fax 856-813-1068

November 20, 2015

City of Cresco
Department of Public Works
130 N Park Place
Cresco, Iowa 52136

Re: Sunopta Facility
616 6th Avenue West
Parcel: 321592200090000
Cresco, Howard County, Iowa 52136
Property Solutions Inc Project #: 20151992

Dear Freedom of Information Officer:

Property Solutions Inc. is conducting a Phase I Environmental Assessment of the aforementioned property. As part of a property assessment, we wish to determine whether government agencies possess records on the subject property that may include potential environmental concerns. We request information on the following:

- **Permits, reports, and information for Underground or Aboveground Storage Tanks (UST/AST), oil / water separator or clarifier installation or removal any current or previous building at the property**
- **Permits for flammable materials storage**
- **Permits of asbestos removal**
- **Permits for the installation or decommissioning of drinking water wells & septic systems**
- **Demolition/renovation permits for the current building of any other prior building on this property**
- **Any known spills, releases, hazardous materials**

If you have any questions, please call me at 856-813-3000 ext 245, or email me at ecoordinator@propertysolutionsinc.com. If you have no information on the property, please fill in the box below and fax back to me at 856-813-1073. Thank you for your assistance.

Sincerely,
Property Solutions Inc.

Lyla Gray-Etherson, Environmental Coordinator
ecoordinator@propertysolutionsinc.com
856-813-3000 ext 245

☐ No Files for subject property or address
Name: _____
Title: _____
Phone: _____

X _____ _____
Signature Date

Property Solutions INC.
Environmental & Engineering Consulting

323 New Albany Road • Moorestown, New Jersey 08057 • 856-813-3000 • Fax 856-813-1068

November 20, 2015

City of Cresco
Department of Public Works
130 N Park Place
Cresco, Iowa 52136

Re: Sunopta Facility
616 6th Avenue West
Parcel: 321592200090000
Cresco, Howard County, Iowa 52136
Property Solutions Inc Project #: 20151992

Dear Freedom of Information Officer:

Property Solutions Inc. is conducting a Phase I Environmental Assessment of the aforementioned property. As part of a property assessment, we wish to determine whether government agencies possess records on the subject property that may include potential concerns. We request information on the following:

- **Any known or suspected potential environmental issues at the property or area of the subject property**
- **Historical use of the subject property**
- **Any special requirements per planning / zoning due to potential environmental concerns in the area**

If you have any questions, please call me at 856-813-3000 ext 245, or email me at ecoordinator@propertysolutionsinc.com. If you have no information on the property, please fill in the box below and fax back to me at 856-813-1073. Thank you for your assistance.

Sincerely,
Property Solutions Inc.

Lyla Gray-Etherson, Environmental Coordinator
ecoordinator@propertysolutionsinc.com
856-813-3000 ext 245

☐ No Files for subject property or address
Name: _____
Title: _____
Phone: _____

X _____ _____
Signature Date

Property Solutions INC.
Environmental & Engineering Consulting

323 New Albany Road • Moorestown, New Jersey 08057 • 856-813-3000 • Fax 856-813-1068

November 20, 2015

City of Cresco
Fire Department
215 2ND AVE SW
Cresco, Iowa 52136
ATTN: FOIA Officer
Fax: 563-547-3800

RE: Sunopta Facility
616 6th Avenue West
Parcel: 321592200090000
Cresco, Howard County, Iowa 52136
Property Solutions Inc Project #: 20151992

Dear Freedom of Information Officer:

Property Solutions Inc. is conducting a Phase I Environmental Assessment of the aforementioned property. As part of a property assessment, we wish to determine whether government agencies possess records on the subject property that may include potential concerns. We request information on the following:

- **Outstanding fire code violations associated with storage / handling / use of flammable or hazardous materials**
- **Fires or spills**
- **Permits for Underground or Aboveground Storage Tanks (UST/AST), installation or removal**
- **Any known storage of hazardous materials or petroleum products**

If you have any questions, please call me at 856-813-3000 ext 245, or email me at ecoordinator@propertysolutionsinc.com. If you have no information on the property, please fill in the box below and fax back to me at 856-813-1073. Thank you for your assistance.

Sincerely,
Property Solutions Inc.

Lyla Gray-Etherson, Environmental Coordinator
ecoordinator@propertysolutionsinc.com
856-813-3000 ext 245

☐ No Files for subject property or address
Name: _____
Title: _____
Phone: _____

X _____ _____
Signature Date

****
*** FAX TX REPORT ***
****

TRANSMISSION OK

JOB NO.	2627
DESTINATION ADDRESS	15635473800
SUBADDRESS	
DESTINATION ID	
ST. TIME	11/20 11:39
TX/RX TIME	00'33
PGS.	1
RESULT	OK

Property Solutions INC.
Environmental & Engineering Consulting

323 New Albany Road • Moorestown, New Jersey 08057 • 856-813-3000 • Fax 856-813-1068

November 20, 2015

City of Cresco
Fire Department
215 2ND AVE SW
Cresco, Iowa 52136
ATTN: FOIA Officer
Fax: 563-547-3800

RE: Sunopta Facility
616 6th Avenue West
Parcel: 321592200090000
Cresco, Howard County, Iowa 52136
Property Solutions Inc Project #: 20151992

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Sincerely,
Property Solutions Inc.

☐ No Files for subject property or address
Name: _____
Title:

Property Solutions INC.
Environmental & Engineering Consulting

323 New Albany Road • Moorestown, New Jersey 08057 • 856-813-3000 • Fax 856-813-1068

November 20, 2015

Howard County
Health Department – Environmental Health Division
137 N Elm Street
Cresco IA 52136
ATTN: FOIA Officer
Fax: 563.547.9290

RE: Sunopta Facility
616 6th Avenue West
Parcel: 321592200090000
Cresco, Howard County, Iowa 52136
Property Solutions Inc Project #: 20151992

Dear Freedom of Information Officer:

Property Solutions Inc. is conducting a Phase I Environmental Assessment of the aforementioned property. As part of a property assessment, we wish to determine whether government agencies possess records on the subject property that may include potential environmental concerns. We request information on the following:

- **Permits, reports, and information for Underground or Aboveground Storage Tanks (UST/AST), oil / water separator or clarifier installation or removal any current or previous building at the property**
- **Lead based paint information, issues, or lead poisonings reported at the property**
- **Asbestos information, removal, or abatement at the property**
- **Environmental health code violations**
- **Permits for the installation or decommissioning of drinking water wells & septic systems**
- **Water supply concerns**

If you have any questions, please call me at 856-813-3000 ext 245, or email me at ecoordinator@propertysolutionsinc.com. If you have no information on the property, please fill in the box below and fax back to me at 856-813-1073. Thank you for your assistance.

Sincerely,
Property Solutions Inc.

Lyla Gray-Etherson, Environmental Coordinator
ecoordinator@propertysolutionsinc.com
856-813-3000 ext 245

☐ No Files for subject property or address
Name: _____
Title: _____
Phone: _____

X _____ _____
Signature Date

****
*** FAX ERROR TX REPORT ***
****

TX FUNCTION WAS NOT COMPLETED

JOB NO.	2628
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SUBADDRESS	
DESTINATION ID	
ST. TIME	11/20 11:40
TX/RX TIME	00'39
PGS.	1
RESULT	NG 1

MAILED

Property Solutions INC.

Environmental & Engineering Consulting

323 New Albany Road • Moorestown, New Jersey 08057 • 856-813-3000 • Fax 856-813-1068

November 20, 2015

Howard County
Health Department – Environmental Health Division
137 N Elm Street
Cresco IA 52136
ATTN: FOIA Officer
Fax: 563.547.9290

RE: Sunopta Facility
616 6th Avenue West
Parcel: 321592200090000
Cresco, Howard County, Iowa 52136
Property Solutions Inc Project #: 20151992

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- **Asbestos information, removal, or abatement at the property**
- **Environmental health code violations**
- **Permits for the installation or decommissioning of drinking water wells & septic systems**
- **Water supply concerns**

If you have any questions, please call me at 856-813-3000 ext 245, or email me at ecoordinator@propertysolutionsinc.com. If you have no information on the property, please fill in the box below and fax back to me at 856-813-1073. Thank you for your assistance.

Sincerely,
Property Solutions Inc.

☐ No Files for subject property or address

Name:

Property Solutions INC.
Environmental & Engineering Consulting

323 New Albany Road • Moorestown, New Jersey 08057 • 856-813-3000 • Fax 856-813-1068

November 20, 2015

City of Cresco
Water Department
130 N Park Place
Cresco, Iowa 52136

Re: Sunopta Facility
616 6th Avenue West
Parcel: 321592200090000
Cresco, Howard County, Iowa 52136
Property Solutions Inc Project #: 20151992

To Whom It May Concern:

Property Solutions Inc. is conducted a Phase I Environmental Assessment of the aforementioned property. As part of the property assessment, we wish to determine the water and sewer provider of the subject property.

If the **city of Cresco** is indeed the water and sewer provider, please provide me with the following information:

- Date of water connection
- Water violations
- Date of municipal sewer connection
- Special sewer discharge permits

If you have any questions, please call me at 856-813-3000 ext 245, or email me at ecoordinator@propertysolutionsinc.com. If you have no information on the property, please fill in the box below and fax back to me at 856-813-1073. Thank you for your assistance.

Sincerely,
Property Solutions Inc.

Lyla Gray-Etherson, Environmental Coordinator
ecoordinator@propertysolutionsinc.com
856-813-3000 ext 245

☐ No Files for subject property or address
Name: _____
Title: _____
Phone: _____

X _____ _____
Signature Date

Property Solutions INC.
Environmental & Engineering Consulting

323 New Albany Road • Moorestown, New Jersey 08057 • 856-813-3000 • Fax 856-813-1068

November 20, 2015

State of Iowa
Department of Natural Resources – Environmental Division
502 East 9th Street
Des Moines, IA 50319-0034
ATTN: FOIA Officer
Phone: 515-281-5918
Fax: 515-281-8895
Email: N/A
Website: http://www.iowadnr.gov/Environment.aspx

RE: Sunopta Facility
616 6th Avenue West
Parcel: 321592200090000
Cresco, Howard County, Iowa 52136
Property Solutions Inc Project #: 20151992

Dear Freedom of Information Officer:

Property Solutions Inc. is conducting a Phase I Environmental Assessment of the aforementioned property. As part of the property assessment, we wish to determine whether government agencies possess any records on the subject property or area wide issues that the property be included in that include potential environmental concerns. Please provide any information regarding any AST / UST, PCBs, spills / releases, petroleum and hazardous materials use, storage, or disposal activities, vapor intrusion, contaminated groundwater, solid waste disposal, asbestos, deed notices, and activities and use limitations.

If you have any questions, please call me at 856-813-3000 ext 245, or email me at ecoordinator@propertysolutionsinc.com. If you have no information on the property, please fill in the box below and fax back to me at 856-813-1073. Thank you for your assistance.

Sincerely,
Property Solutions Inc.

Lyla Gray-Etherson, Environmental Coordinator
ecoordinator@propertysolutionsinc.com
856-813-3000 ext 245

☐ No Files for subject property or address
Name: _____
Title: _____
Phone: _____

X _____ _____
Signature Date

****
*** FAX ERROR TX REPORT ***
****

TX FUNCTION WAS NOT COMPLETED

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SUBADDRESS	
DESTINATION ID	
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TX/RX TIME	00'41
PGS.	0
RESULT	NG

MAILed

0 #018 BUSY/NO SIGNAL

Property Solutions INC.
Environmental & Engineering Consulting

323 New Albany Road • Moorestown, New Jersey 08057 • 856-813-3000 • Fax 856-813-1068

November 20, 2015

State of Iowa
Department of Natural Resources – Environmental Division
502 East 9th Street
Des Moines, IA 50319-0034
ATTN: FOIA Officer
Phone: 515-281-5918
Fax: 515-281-8895
Email: N/A
Website: http://www.iowadnr.gov/Environment.aspx

RE: Sunopta Facility
616 6th Avenue West
Parcel: 321592200090000
Cresco, Howard County, Iowa 52136
Property Solutions Inc Project #: 20151992

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Sincerely,
Property Solutions Inc.

☐ No Files for subject property or address
Name: _____
Title:

Property Solutions INC.
Environmental & Engineering Consulting

323 New Albany Road • Moorestown, New Jersey 08057 • 856-813-3000 • Fax 856-813-1068

November 20, 2015

State of Iowa
Department of Natural Resources – Environmental Division
502 East 9th Street
Des Moines, IA 50319-0034
ATTN: FOIA Officer
Phone: 515-281-5918
Fax: 515-281-8895
Email: N/A
Website: http://www.iowadnr.gov/Environment.aspx

RE: Sunopta Facility
616 6th Avenue West
Parcel: 321592200090000
Cresco, Howard County, Iowa 52136
Property Solutions Inc Project #: 20151992

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Sincerely,
Property Solutions Inc.

Lyla Gray-Etherson

Lyla Gray-Etherson, Environmental Coordinator
ecoordinator@propertysolutionsinc.com
856-813-3000 ext 245

☑ No Files for subject property or address
Name: Peggy Elscott
Title: Clerk Specialist
Phone: 515-725-8480
X Peggy Elscott
Signature Date

65061 DEC01'15 PM 4:06

Property Solutions INC.

Environmental & Engineering Consulting

323 New Albany Road • Moorestown, New Jersey 08057 • 856-813-3000 • Fax 856-813-1068

November 20, 2015

Howard County
Health Department – Environmental Health Division
137 N Elm Street
Cresco IA 52136
ATTN: FOIA Officer
Fax: 563.547.9290

RE: Sunopta Facility
616 6th Avenue West
Parcel: 321592200090000
Cresco, Howard County, Iowa 52136
Property Solutions Inc Project #: 20151992

Dear Freedom of Information Officer:

Property Solutions Inc. is conducting a Phase I Environmental Assessment of the aforementioned property. As part of a property assessment, we wish to determine whether government agencies possess records on the subject property that may include potential environmental concerns. We request information on the following:

- **Permits, reports, and information for Underground or Aboveground Storage Tanks (UST/AST), oil / water separator or clarifier installation or removal any current or previous building at the property**
- **Lead based paint information, issues, or lead poisonings reported at the property**
- **Asbestos information, removal, or abatement at the property**
- **Environmental health code violations**
- **Permits for the installation or decommissioning of drinking water wells & septic systems**
- **Water supply concerns**

If you have any questions, please call me at 856-813-3000 ext 245, or email me at ecoordinator@propertysolutionsinc.com. ~~If you have no information on the property, please~~ fill in the box below and fax back to me at 856-813-1073. Thank you for your assistance.

Sincerely,
Property Solutions Inc.

Lyla Gray-Etherson

Lyla Gray-Etherson, Environmental Coordinator
ecoordinator@propertysolutionsinc.com
856-813-3000 ext 245

☒ No Files for subject property or address
Name: Marsha Kuyna
Title: Howard County Environmental Health
Phone: 563 547 9212

X _____ 12-3-15
Signature Date

Dec 03 2015 15:04 Cresco V.A. 5635479285 page 2

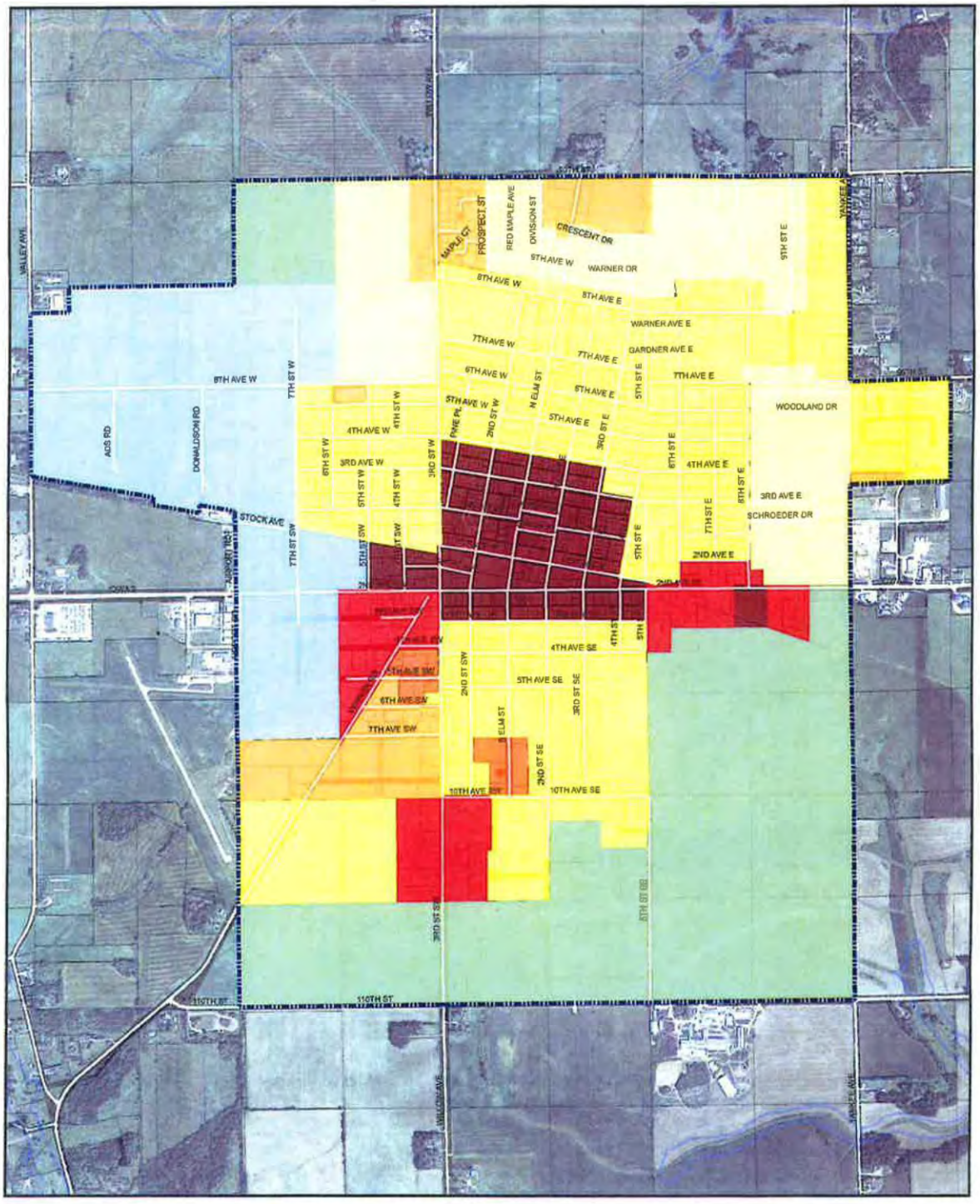
City of Cresco

Official Zoning Map

This Is to certify that this Official Zoning Map supersedes and replaces the Official Zoning Map adopted December 6, 1993 as part of Ordiance Number 237 of the City of Cresco, Iowa

Mayor Mark Bohle City Clerk Michelle Girolamo

11-19-2012



Legend

- M-1 Mixed Use
- C-2 Central Business Commercial District
- C-1 Commercial District
- R-4 Mobile Home Park
- R-3 Multi-Family Residential
- R-2 Two Family Residential
- R-1 Single Family Residential
- A-1 Agricultural

Upper explorerland regional planning commission

N W E S

0 0.1 0.2 0.4 0.6 0.8 Miles

THE WATER WE DRINK
CRESCO WATER DEPARTMENT

We are pleased to present to you this year's Annual Quality Report. This report is designed to inform you about the quality water and service we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water. The City of Cresco water supply obtains its water from the Cambrian-Ordovician aquifer. The Cambrian-Ordovician aquifer was determined to be not susceptible to contamination because the characteristics of the aquifer and overlying materials prevent easy access of contaminants to the aquifer. The City of Cresco wells will not be susceptible to most contaminant sources except through pathways to the aquifer such as abandoned or poorly maintained wells. A detailed evaluation of your source water was completed by the Iowa Department of Natural Resources, and is available from the City of Cresco at (563) 547-3101. We have two wells that are 1120 feet deep.

This water supply obtains water from one or more groundwater aquifers. Every aquifer has a degree of susceptibility to contamination because of the characteristics of the aquifer, overlying materials and human activity. Susceptibility to contamination generally increases with shallow aquifers, increasing permeability of the aquifer and overlying material, nearby development or agricultural activity, and abandoned or poorly maintained wells. A detailed evaluation of your water source was completed by the Iowa Department of Natural Resources, and is available from this water supply.

Aquifer Name	**Susceptibility**
Cambrian-Ordovician	Insignificant

We are pleased to report that our drinking water is safe and meets federal and state requirements.

If you have any questions about this report or concerning your water utility, please contact Drew Zahasky at 563-379-6709. We want our valued customers to be informed about their water utility.

The Cresco Water Department routinely monitors for constituents in your drinking water according to Federal and State laws. The table below shows the results of our monitoring for the period of January 1 to December 31, 2014. All drinking water, including bottled water, may be reasonably expected to contain at least small amounts of some constituents. It's important to remember that the presence of these constituents does not necessarily pose a health risk.

In this table you will find terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions:

- Non-Detects (ND)-laboratory analysis indicates that the constituent is not present.
- Parts per million (ppm) or Milligram per liter (mg/l)-one part per million corresponds to one minute in two years or a single penny in $10,000.00
- Parts per billion (ppb) or Micrograms per liter-one part per billion corresponds to one minute in 2,000 years, or a single penny in $10,000,000.00.
- Picocuries per liter (pCi/L)-picocuries per liter is a measure of the radioactivity in water.
- Nephelometric Turbidity Unit (NTU) nephelometric turbidity unit is a measure of the clarity of water. Turbidity in excess of 5 NTU is just noticeable to the average person.
- Action Level-the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
- Maximum Contaminant Level-The "Maximum Allowed" (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.
- Maximum Contaminant Level Goal-The "Goal" (MCLG) is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

FINISHED WATER TAP, #3	**MCL**	**MCLG**	**Compliance Type**	**Value**	**Sample Min**	**Max**
RADIONUCLIDES (RAD) – Other						
ALPHA EMITTERS (pCi/L) Distribution	15	0	SGL	1.6		
Sample 4-9-2012 SGL 1.6 pCi/L						
Erosion of natural deposits						
RADIONUCLIDES (RAD) COMBINED RADIUM						
RADIUM-226						
Routine Sample 4-14-2009 0.9	N/A	N/A				
Typical source of contamination: N/A						

COMBINED RADIUM (pCi/L) 5 0
Sample 4-14-2009 SGL <1.0
Typical source of contamination: Erosion of natural deposits

FINISHED WATER SAMPLE TAP #3	MCL	MCLG	Compliance Type	Value	Sample Min	Max
Inorganic Chemicals (IOC)-Regulated						
FLUORIDE (ppm)	4	4	SGL	0.69	0.6	0.9

Routine sample 4-8-2013
Typical source of Contaminant: Water additive which promotes strong teeth; Erosion of natural deposits: Discharge from fertilizer and aluminum factories.

SODIUM (ppm)	N/A	N/A	SGL	2.0	N/A	N/A

Routine sample 4-8-2013
Typical source of Contamination: Erosion of natural deposits, added to water during treatment.

FINISHED WATER TAP, #4	MCL	MCLG	Compliance Type	Value	Sample Min	Max
RADIONUCLIDES (RAD) – OTHERS						
ALPHA EMITTERS (pCi/L)	15	0	SGL	2.1		

Routine Sample 4-09-2012 SGL 2.1
Erosion of natural deposits.

RADIUM-226 N/A N/A
Routine Sample 5-18-2009 0.8
Typical source of contaminant: N/A
RADIONUCLIDES (RAD)-COMBINES RADIUM
COMBINED RADIUM (pCi/L) 5 0
Routine Sample 5-18-2009 SGL <1.0
Typical source of contaminant: Erosion of natural deposits

FINISHED WATER SAMPLE TAP #4	MCL	MCLG	Compliance Type	Value	Sample Min	Max
Inorganic Chemicals (IOC) – Regulated						
FLOURIDE (ppm)	4	4	SGL	0.85	0.6	0.9

Routine sample 4-8-2013
Typical source of Contamination: Water additive which promotes strong teeth; Erosion of natural deposits; discharge from fertilizer and aluminum factories

SODIUM (ppm)	N/A	N/A	SGL	3.2	N/A	N/A

Routine sample 4-8-2013
Typical source of contaminant: Erosion of natural deposits; added to water during treatment.

DISTRIBUTION SYSTEM	MCL AL	MCLG	Compliance Type	Value	Range	Sample Min	Max
TOTAL TRIHALOMETHANES (ppb) [TTHM]	80	N/A	LRAA	3.00	3-3	N/A	N/A

Routine sample 9-30-14 SGL 13
By-products of drinking water disinfection

TOLUNE (PPM) 1 1
Routine sample 8-02-2005 0.0007
Discharge from petroleum factories.

CHLORINE (ppm)	4.0	4.0	RAA	0.7	0.36 -	0.98

Routine sample 12-31-2014
Source: Water additive used to control microbes

NITRATE [AS N] (ppm) MCL/AL: 10 MCLG: 10
Sample 4-14-2014 <1.0 Well #4
Sample 7-7-2014 <1.0 Well #3
Typical source of contaminant: Runoff from fertilizer used; leaching from septic tanks; erosion of natural deposits. Nitrate in drinking water above 10 ppm is a health risk for infants less than six months of age. High nitrate levels in drinking water can cause blue baby syndrome. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. If you are caring for an infant, you should ask advice from your health care provider.

FLOURIDE – Average for both well #3 and well #4 is 0.7 mg/L

LEAD AND COPPER REPORT	**MCL/AL**	**MCLG**	**Compliance Type**	**Value**	**Range**	**Samples Total**	**Exceed**
Sample 09-30-2012 Lead (ppm)	AL=15	0	90th	5.0	ND -18	20	1
Copper (ppm)	AL=1.3	1.3	90th	0.41	0.01-0.59	20	0
			1 sample(s) exceeded AL				

Source: Copper-Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives
Source: Lead-Corrosion of household plumbing systems; Erosion of natural deposits
If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. The Cresco Waterworks is responsible for providing high quality drinking water, but cannot control the variety of material used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information of lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at http://www.epa.gov/safewater/lead>.

All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-426-4791.

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases radioactive materials and can pick up substances resulting from the presence of animal and human activity. Contaminants that may be present in source water include:

- Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agriculture livestock operations and wildlife.
- Inorganic contaminants, such as salts and metals, which can be naturally-occurring or result from urban storm water runoff, industrial or domestic wastewater discharge, oil and gas production, mining or farming.
- Pesticides and herbicides, which may come from a variety of sources such as agriculture, storm water runoff and residential uses.
- Organic chemical contaminants include synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production and can also come from gas stations, urban storm water runoff and septic systems.
- Radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities.

MCL's are set at very stringent levels. To understand the possible health effects described for many regulated constituents, a person would have to drink 2 liters of water every day at the MCL level for a lifetime to have a one-in-a-million chance of having the described health effect.

In our continuing efforts to maintain a safe and dependable water supply it may be necessary to make improvements in your water system. The cost of these improvements may be reflected in the rate structure. Rate adjustments may be necessary in order to address these improvements.

Thank you for allowing us to continue providing your family with clean, quality water this year. In order to maintain a safe and dependable water supply we sometimes need to make improvements that will benefit our customers. These improvements are sometimes reflected as rate structure adjustments. Thank you for understanding.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ

transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk for infections. These people should seek advice about drinking water from their health care provider. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

Please call our office if you have questions (563-547-3101).

We at the Cresco Water Department work around the clock to provide top quality water to every tap, said Drew Zahasky. We ask that all our customers help us to protect our water sources, which are the heart of our community, our way of life and our children's future.

This report will not be mailed to our customers but a copy may be obtained at City Hall, 130 North Park Place, Cresco, IA, Monday thru Friday from 8:00 a.m. to 4:30 p.m. A copy may be viewed on local TV channel 3 or City website at www.cityofcresco.com

Rev. 05-01-2015

52136

FACILITY INFORMATION	AFS	ACRES	BR	CERCLIS	GHG	PCS/ICIS	RAD Info	RCRA Info	TRI	TSCA
114 2ND AVENUE WEST 114 2ND AVENUE WEST CRESCO, IA 52136 Latitude: 43.37375 Longitude: -92.11709 Summary Report Facility Report Compliance Report		View Report								
ALLIANT ENERGY 115 SOUTH PARK PLACE CRESCO, IA 52136-1632 Latitude: 43.37309 Longitude: -92.11558 Summary Report Facility Report Compliance Report	View Report									
BOOS IMPLEMENT INC - FORMER SITE OF HWY 63 & 9 CRESCO, IA 52136 Latitude: 43.375048 Longitude: -92.298029 Summary Report Facility Report Compliance Report								View Report		
CARQUEST AUTO PARTS 2136 425 2ND AVE CRESCO, IA 52136 Latitude: 43.371098 Longitude: -92.111144 Summary Report Facility Report Compliance Report								View Report		
CITY OF CRESCO SEWAGE TREATMENT PLANT 24321 90TH ST CRESCO, IA	View Report									

521361631 Latitude: 43.385736 Longitude: -92.08938 Summary Report Facility Report Compliance Report			
CRESCO FOOD TECHNOLOGIES 717 2ND AVE SE CRESCO, IA 52136 Latitude: 43.37102 Longitude: -92.10543 Summary Report Facility Report Compliance Report	View Report	View Report	View Report
CRESCO WWTP 90TH ST CRESCO, IA 52136 Latitude: 43.39114 Longitude: -92.09551 Summary Report Facility Report Compliance Report		View Report	
CRESTWOOD HIGH SCHOOL 1000 SCHRODER DR CRESCO, IA 52136 Latitude: 43.373437 Longitude: -92.102956 Summary Report Facility Report Compliance Report			View Report
CROELL REDI-MIX INC-CRESCO 21793 IOWA HWY 9 CRESCO, IA 52136 Latitude: 43.371159 Longitude: -92.127493 Summary Report Facility Report Compliance Report	View Report		
CULLIGAN WATER CONDITIONING OF CRESCO 606 2ND AVENUE SW CRESCO, IA 52136-1850		View Report	

Latitude: 43.37119 Longitude: -92.12572 Summary Report Facility Report Compliance Report				
DONALDSON CO INC 111 DONALDSON CT CRESCO, IA 52136 Latitude: 43.37487 Longitude: -92.13169 Summary Report Facility Report Compliance Report	View Report	View Report	View Report	View Report
FAREWAY STORES INC-CRESCO 112 S ELM ST CRESCO, IA 52136 Latitude: 43.37165 Longitude: -92.1169 Summary Report Facility Report Compliance Report	View Report			
FEATHERLITE INC 816 7TH STREET WEST CRESCO, IA 52136-1267 Latitude: 43.37859 Longitude: -92.12719 Summary Report Facility Report Compliance Report	View Report		View Report	View Report
H & S MOTORS 710 2ND AVE SW CRESCO, IA 52136 Latitude: 43.37118 Longitude: -92.12815 Summary Report Facility Report Compliance Report			View Report	
HAWKEYE SANITATION INC 128 N ELM CRESCO, IA 52136 Latitude: 43.37329	View Report			

Longitude: -92.11652 Summary Report Facility Report Compliance Report		
HOWARD CLEANERS INC-FORMER SITE OF 122 2ND AVE W CRESCO, IA 52136 Latitude: 43.3738 Longitude: -92.11749 Summary Report Facility Report Compliance Report		View Report
HOWARD COUNTY RESIDENTIAL CARE FACILITY 21668 80TH ST. CRESCO, IA 52136 Latitude: 43.40004 Longitude: -92.1453 Summary Report Facility Report Compliance Report	View Report	
IDOT - CRESCO MAINTENANCE SHOP 24161 HWY 9 E CRESCO, IA 52136 Latitude: 43.371177 Longitude: -92.096915 Summary Report Facility Report Compliance Report		View Report
INGERSOLL FARM EQUIPMENT-FORMER SITE OF 809 2ND AVE SW CRESCO, IA 52136 Latitude: 43.37102 Longitude: -92.12854 Summary Report Facility Report Compliance Report		View Report
KAISER AGRICULTURAL CHEM-FORMER SITE OF		View Report

OFF HWY 69 RR
3 CRESCO, IA
52136
Latitude:
43.373602
Longitude: -
92.130505
Summary Report
Facility Report
Compliance Report

KENNETH MOELLERS BEEF CONFINEMENT
26343 110TH STREET
CRESCO, IA
52136
Latitude:
43.35656
Longitude: -
92.11011
Summary Report
Facility Report
Compliance Report
View Report

UP & RUNNING ELECTRONICS
116 N ELM ST
CRESCO, IA
52136
Latitude:
43.37291
Longitude: -
92.1166
Summary Report
Facility Report
Compliance Report
View Report

WISCONSIN DAIRIES COOPERATIVE
HIGHWAY 9
EAST CRESCO, IA 52136
Latitude:
43.316605
Longitude: -
92.100332
Summary Report
Facility Report
Compliance Report
View Report

APPENDIX J
ENVIRONMENTAL DATABASE

Sunopta Facility
616 6th Avenue West
Cresco, IA 52136

Inquiry Number: 4473002.2s
November 20, 2015

The EDR Radius Map™ Report with GeoCheck®

EDR® Environmental Data Resources Inc

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

TABLE OF CONTENTS

SECTION	PAGE
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	7
Orphan Summary	36
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting Source Map	A-11
Physical Setting Source Map Findings	A-12
Physical Setting Source Records Searched	PSGR-1

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

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EXECUTIVE SUMMARY

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

TARGET PROPERTY INFORMATION

ADDRESS

616 6TH AVENUE WEST
CRESCO, IA 52136

COORDINATES

Latitude (North):	43.3790000 - 43° 22' 44.40"
Longitude (West):	92.1263000 - 92° 7' 34.68"
Universal Tranverse Mercator:	Zone 15
UTM X (Meters):	570776.8
UTM Y (Meters):	4803058.5
Elevation:	1290 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5943068 CRESCO NW, IA
Version Date:	2013
Northeast Map:	5943114 CRESCO NE, IA
Version Date:	2013
Southeast Map:	5943070 CRESCO SE, IA
Version Date:	2013
Southwest Map:	5943072 CRESCO SW, IA
Version Date:	2013

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20110701, 20110702
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
616 6TH AVENUE WEST
CRESCO, IA 52136

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	FEATHERLITE TRAILERS	816 7TH ST W	RCRA-SQG, WI MANIFEST	Higher	36, 0.007, West
A2	SECONDARY ROADS CRES	114 SEVENTH STREET W	IA LUST, IA UST, IA Financial Assurance	Higher	731, 0.138, WNW
A3	CRESCO MAINTENANCE S	114 7TH STREET	IA ALLSITES	Higher	731, 0.138, WNW
4	HOSPITIAL SERVICES	235 8TH AVE WEST	IA SWF/LF, IA LUST, IA UST, IA Financial Assurance	Higher	2279, 0.432, ENE
5	CITY OF CRESCO	148 4TH ST SW	IA LUST, IA UST, FINDS	Higher	2282, 0.432, SSE
6	FARMERS COOP FEED	120 WEST 5TH ST	IA LUST, IA UST	Lower	2572, 0.487, SSE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

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

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

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

Federal Delisted NPL site list

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

Federal CERCLIS list

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

Federal CERCLIS NFRAP site List

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

Federal RCRA CORRACTS facilities list

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

Federal RCRA non-CORRACTS TSD facilities list

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

Federal RCRA generators list

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

Federal institutional controls / engineering controls registries

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

EXECUTIVE SUMMARY

Federal ERNS list

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

State- and tribal - equivalent CERCLIS

IA SHWS ---------- Registry of Hazardous Waste or Hazardous Substance Disposal Sites

State and tribal leaking storage tank lists

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

State and tribal registered storage tank lists

FEMA UST ---------- Underground Storage Tank Listing
IA AST ---------- Aboveground Storage Tank Sites
INDIAN UST ---------- Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

IA INST CONTROL ---------- Sites with Institutional Controls

State and tribal voluntary cleanup sites

IA VCP ---------- Land Recycling Program Sites
INDIAN VCP ---------- Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

IA BROWNFIELDS ---------- Brownfields Site Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ---------- A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

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

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ---------- National Clandestine Laboratory Register
IA DEL SHWS ---------- Delisted Contaminated Sites Listing
US CDL ---------- Clandestine Drug Labs

Local Land Records

IA LIENS ---------- Liens Filed Listing

LIENS 2	CERCLA Lien Information

Records of Emergency Release Reports

HMIRS	Hazardous Materials Information Reporting System
IA SPILLS	Spills Database
IA 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
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
IA AIRS	Minor and Title V Sources Listing
IA COAL ASH	Coal Ash Disposal Site Listing
IA DRYCLEANERS	Iowa Drycleaner List
IA NPDES	List of NPDES Permittees
IA TIER 2	Tier 2 Information Listing

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	EDR Proprietary Manufactured Gas Plants
EDR US Hist Auto Stat	EDR Exclusive Historic Gas Stations
EDR US Hist Cleaners	EDR Exclusive Historic Dry Cleaners

EXECUTIVE SUMMARY

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

IA RGA HWS ---------- Recovered Government Archive State Hazardous Waste Facilities List
IA 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 06/09/2015 has revealed that there is 1 RCRA-SQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FEATHERLITE TRAILERS	***816 7TH ST W***	***W 0 - 1/8 (0.007 mi.)***	***1***	***7***

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

IA SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Department of Natural Resources' Permitted Solid Waste Management Facilities list.

A review of the IA SWF/LF list, as provided by EDR, and dated 09/08/2015 has revealed that there is 1 IA SWF/LF site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HOSPITIAL SERVICES	***235 8TH AVE WEST***	***ENE 1/4 - 1/2 (0.432 mi.)***	***4***	***19***

Facility Id: 45-SDP-01-89
Permit Stage: Rescission

State and tribal leaking storage tank lists

IA 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 Natural Resources' Underground Storage Tank Data list.

A review of the IA LUST list, as provided by EDR, and dated 09/08/2015 has revealed that there are 4 IA LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SECONDARY ROADS CRES Facility Id: 5916 Leak Status: Stopped	***114 SEVENTH STREET W***	***WNW 1/8 - 1/4 (0.138 mi.)***	***A2***	***14***
HOSPITIAL SERVICES Facility Id: 1596 Leak Status: Unknown	***235 8TH AVE WEST***	***ENE 1/4 - 1/2 (0.432 mi.)***	***4***	***19***
CITY OF CRESCO Facility Id: 2109 Leak Status: Stopped	***148 4TH ST SW***	***SSE 1/4 - 1/2 (0.432 mi.)***	***5***	***26***

Lower Elevation	Address	Direction / Distance	Map ID	Page
FARMERS COOP FEED Facility Id: 1342 Leak Status: Stopped	***120 WEST 5TH ST***	***SSE 1/4 - 1/2 (0.487 mi.)***	***6***	***30***

State and tribal registered storage tank lists

IA UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Natural Resources' Underground Storage Tank Data list.

A review of the IA UST list, as provided by EDR, and dated 09/08/2015 has revealed that there is 1 IA UST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SECONDARY ROADS CRES Facility Id: 2522 Registration: 198601989	***114 SEVENTH STREET W***	***WNW 1/8 - 1/4 (0.138 mi.)***	***A2***	***14***

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

IA ALLSITES: All the sites included in the Contaminated Sites Tracking Database. The database includes several regulatory complinace programs and actions.

A review of the IA ALLSITES list, as provided by EDR, and dated 07/18/2015 has revealed that there is 1 IA ALLSITES site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CRESCO MAINTENANCE S Status: Closed Site Id Number: 854	114 7TH STREET	WNW 1/8 - 1/4 (0.138 mi.)	A3	19

Other Ascertainable Records

WI MANIFEST: Hazardous waste manifest information.

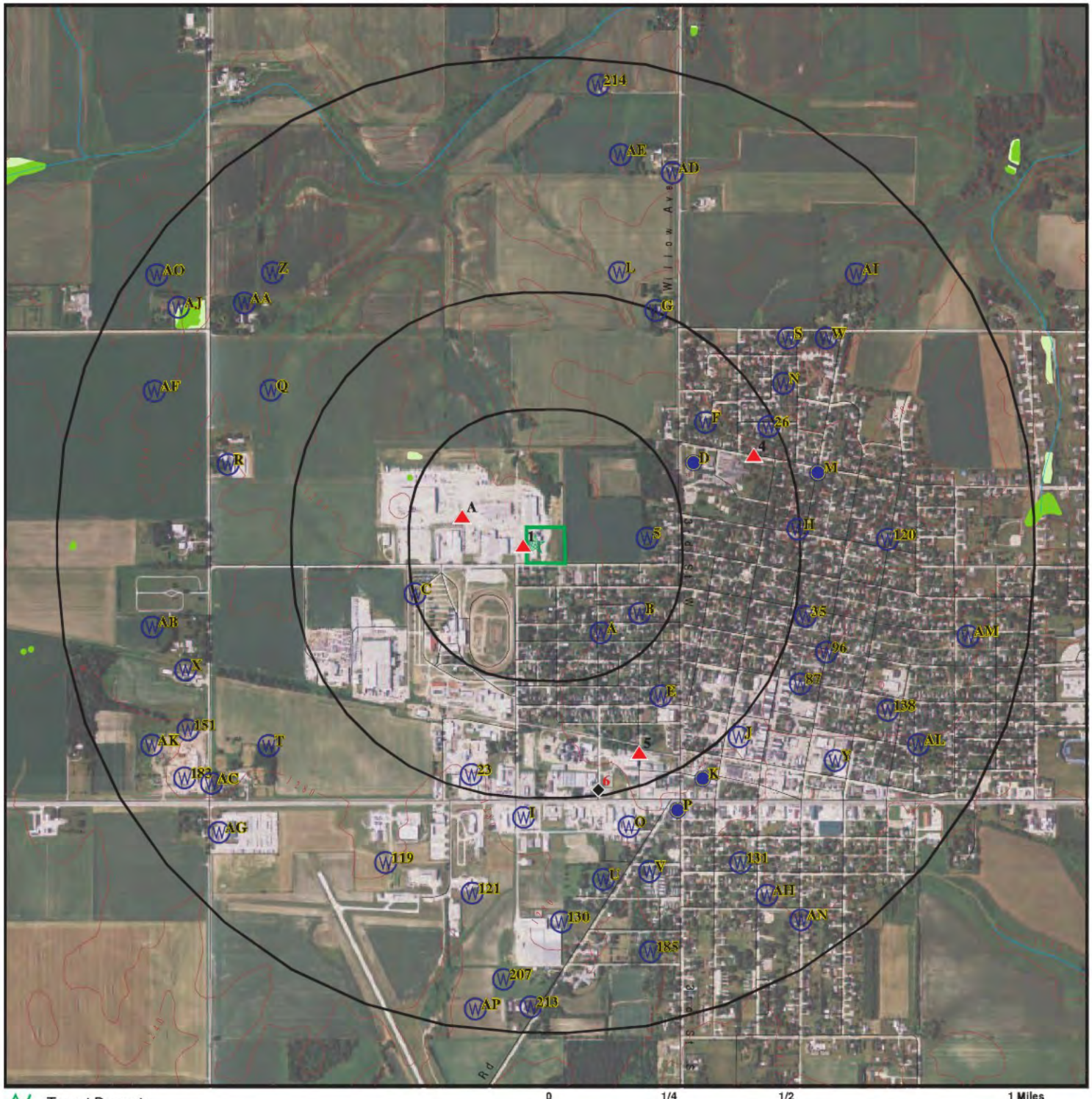
A review of the WI MANIFEST list, as provided by EDR, has revealed that there is 1 WI MANIFEST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FEATHERLITE TRAILERS ACT Status: A FID: 0 EPA ID: IA0000229633	***816 7TH ST W***	***W 0 - 1/8 (0.007 mi.)***	***1***	***7***

EXECUTIVE SUMMARY

There were no unmapped sites in this report.

OVERVIEW MAP - 4473002.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

0 1/4 1/2 1 Miles

Indian Reservations BIA

National Wetland Inventory

State Wetlands

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

SITE NAME:	Sunopta Facility	CLIENT:	Property Solutions, Inc.
ADDRESS:	616 6th Avenue West Cresco IA 52136	CONTACT:	Brian Gallagher
		INQUIRY #:	4473002.2s
LAT/LONG:	43.379 / 92.1263	DATE:	November 20, 2015 10:50 am

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DETAIL MAP - 4473002.2S

Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

0 1/16 1/8 1/4 Miles

Indian Reservations BIA

National Wetland Inventory

State Wetlands

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

SITE NAME:	Sunopta Facility	CLIENT:	Property Solutions, Inc.
ADDRESS:	616 6th Avenue West Cresco IA 52136	CONTACT:	Brian Gallagher
		INQUIRY #:	4473002.2s
LAT/LONG:	43.379 / 92.1263	DATE:	November 20, 2015 10:51 am

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
CERCLIS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site List								
CERCLIS-NFRAP	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		1	0	NR	NR	NR	1
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent CERCLIS								
IA SHWS	1.000		0	0	0	0	NR	0
State and tribal landfill and/or solid waste disposal site lists								
IA SWF/LF	0.500		0	0	1	NR	NR	1
State and tribal leaking storage tank lists								
IA LUST	0.500		0	1	3	NR	NR	4
IA LAST	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

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

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
IA AIRS	TP		NR	NR	NR	NR	NR	0
IA COAL ASH	0.500		0	0	0	NR	NR	0
IA DRYCLEANERS	0.250		0	0	NR	NR	NR	0
IA Financial Assurance	TP		NR	NR	NR	NR	NR	0
WI MANIFEST	0.250		1	0	NR	NR	NR	1
IA NPDES	TP		NR	NR	NR	NR	NR	0
IA TIER 2	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR US Hist Auto Stat	0.125		0	NR	NR	NR	NR	0
EDR US Hist Cleaners	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
IA RGA HWS	TP		NR	NR	NR	NR	NR	0
IA RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	2	3	4	0	0	9

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

1
West
< 1/8
0.007 mi.
36 ft.

FEATHERLITE TRAILERS
816 7TH ST W
CRESCO, IA 52136

RCRA-SQG **1000886946**
WI MANIFEST **IA0000229633**

Relative:
Higher

Actual:
1291 ft.

RCRA-SQG:

Date form received by agency:	03/25/2014
Facility name:	FEATHERLITE TRAILERS
Facility address:	816 7TH ST W CRESCO, IA 52136
EPA ID:	IA0000229633
Mailing address:	PO BOX 380 CRESCO, IA 52136
Contact:	KEVIN M WEINACHT
Contact address:	PO BOX 380 CRESCO, IA 52136
Contact country:	US
Contact telephone:	563-547-7010
Contact email:	KWEINACHT@FTHR.COM
EPA Region:	07
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:	UNIVERSAL TRAILER CORP
Owner/operator address:	CENTURY BLVD STE 103 CINCINNATI, OH 45246
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	07/16/2008
Owner/Op end date:	Not reported

Owner/operator name:	UNIVERSAL TRAILER CORP
Owner/operator address:	Not reported IA
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	07/16/2008
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

FEATHERLITE TRAILERS (Continued) **1000886946**

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

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D009
. Waste name: MERCURY

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

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

. Waste code: UOIL
. Waste name: UOIL

Historical Generators:
Date form received by agency: 04/02/2013
Site name: FEATHERLITE TRAILERS
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D005

FEATHERLITE TRAILERS (Continued) **1000886946**

. Waste name: BARIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D009
. Waste name: MERCURY

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

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

. Waste code: UOIL
. Waste name: UOIL

Date form received by agency: 07/16/2008
Site name: FEATHERLITE TRAILERS
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D009
. Waste name: MERCURY

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

FEATHERLITE TRAILERS (Continued) **1000886946**

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

. Waste code: UOIL
. Waste name: UOIL

Date form received by agency: 12/12/1995
Site name: FEATHERLITE TRAILERS
Classification: Small Quantity Generator

. Waste code: D000
. Waste name: Not Defined

Date form received by agency: 05/02/1994
Site name: FEATHERLITE TRAILERS
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

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

FEATHERLITE TRAILERS (Continued) **1000886946**

Facility Has Received Notices of Violations:

Regulation violated:	Not reported
Area of violation:	Generators - Pre-transport
Date violation determined:	09/26/2008
Date achieved compliance:	10/27/2008
Violation lead agency:	EPA
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	12/02/2008
Enf. disposition status:	Action Satisfied (Case Closed)
Enf. disp. status date:	12/02/2008
Enforcement lead agency:	EPA
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported

Regulation violated:	Not reported
Area of violation:	Generators - General
Date violation determined:	09/09/2008
Date achieved compliance:	09/17/2008
Violation lead agency:	EPA
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	12/02/2008
Enf. disposition status:	Action Satisfied (Case Closed)
Enf. disp. status date:	12/02/2008
Enforcement lead agency:	EPA
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported

Regulation violated:	Not reported
Area of violation:	Universal Waste - Small Quantity Handlers
Date violation determined:	07/16/2008
Date achieved compliance:	07/21/2008
Violation lead agency:	EPA
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	12/02/2008
Enf. disposition status:	Action Satisfied (Case Closed)
Enf. disp. status date:	12/02/2008
Enforcement lead agency:	EPA
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported

Regulation violated:	Not reported
Area of violation:	TSD IS-Container Use and Management
Date violation determined:	07/16/2008
Date achieved compliance:	07/21/2008
Violation lead agency:	EPA
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	12/02/2008
Enf. disposition status:	Action Satisfied (Case Closed)
Enf. disp. status date:	12/02/2008
Enforcement lead agency:	EPA
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported

FEATHERLITE TRAILERS (Continued) **1000886946**

Evaluation Action Summary:
Evaluation date: 07/16/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 10/27/2008
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 07/16/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-Container Use and Management
Date achieved compliance: 07/21/2008
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 07/16/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 09/17/2008
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 07/16/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Universal Waste - Small Quantity Handlers
Date achieved compliance: 07/21/2008
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 12/12/1995
Evaluation: COMPLIANCE ASSISTANCE VISIT
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA Contractor/Grantee

WI MANIFEST:
Year: 2010
EPA ID: IA0000229633
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: 000314799GBF
Copy Type: TSDCOPY
Gen EPA ID: IA0000229633
Gen Date: 03/29/2010
GEN Copy Revd Date: Not reported
TSD Date: 04/06/2010
TSD EPA ID: WID023350192
TSD Copy Revd Date: 06/23/2010

FEATHERLITE TRAILERS (Continued) **1000886946**

Year:	2010
Manifest Doc Id:	000314800GBF
Copy Type:	TSDCOPY
Gen EPA ID:	IA0000229633
Gen Date:	03/29/2010
GEN Copy Revd Date:	Not reported
TSD Date:	04/06/2010
TSD EPA ID:	WID023350192
TSD Copy Revd Date:	06/23/2010

Year:	2008
EPA ID:	IA0000229633
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

Year:	2007
EPA ID:	IA0000229633
FID:	0
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:	0
Contact Telephone:	0
Contact EMail Address:	Not reported

Year:	2006
EPA ID:	IA0000229633
FID:	0
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

Year: 2005

FEATHERLITE TRAILERS (Continued) **1000886946**

EPA ID:	IA0000229633
FID:	0
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:	0
Contact Telephone:	0
Contact EMail Address:	Not reported

Year:	2004
EPA ID:	IA0000229633
FID:	0
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

A2 **SECONDARY ROADS CRESCO MAINT SHOP** **IA LUST U003633664**
WNW **114 SEVENTH STREET W** **IA UST N/A**
1/8-1/4 **CRESCO, IA 52136** **IA Financial Assurance**
0.138 mi.
731 ft. **Site 1 of 2 in cluster A**

Relative:
Higher

Actual:
1290 ft.

LUST:

Facility ID:	5916
Spill Number:	Not reported
Occur Date:	Not reported
Discover Date:	11/09/2001
Discover Time:	Not reported
Record Date:	12/19/2001
Leak Number:	9LTK06
Loc ID:	63400
Ust ID:	2522
Latitude:	43.37424
Longitude:	-92.12813
Start Date:	12/20/2001
Spill Date:	Not reported
Date Occurred Time:	Not reported
Lead ID:	4
Coordinator ID:	2
Staff ID:	18
Discover Method ID:	1
Leak Status:	Stopped
Tanks Removed:	Not reported
Created Date:	01/08/2007
Created By:	migration

SECONDARY ROADS CRESCO MAINT SHOP (Continued) **U003633664**

Last Changed:	01/08/2007
Changed By:	migration

Lust Status:

ID:	5924
Site Leak Number:	9LTK06
Discovered During:	C
Tanks Removed:	2
Leak Cause:	Not reported
Gas:	Not reported
Diesel:	Not reported
Oil:	Yes
Kerosene:	Not reported
Released Fuel Oil:	Not reported
Released Hydraulic Oil:	Not reported
Released Other Petroleum:	Not reported
Released Unknown:	Not reported
Released Non_Petroleum Chemical:	Not reported
Gallons Released:	Not reported
Leak Status:	Stopped
Loc Soil:	Not reported
Loc Ground Water:	Not reported
Loc Surface Water:	Not reported
Loc Water Supply:	Not reported
Res Public Water Supply:	Not reported
Resources Water Well:	Not reported
Res Actual Drinking WW:	Not reported
Res Non-Drink WW:	Not reported
Res Soil:	Not reported
Res Ground Water:	Not reported
Res Surface Water:	Not reported
Res Toxic Vapor:	Not reported
Res Explosive Vapor:	Not reported
Res Other:	Not reported
Res Impacted Soil:	Not reported
Res Impacted Ground Water:	Yes
Res Impacted Water Well:	Not reported
Res Impacted Pub Water Supply:	Not reported
Res Impacted Surface Water:	Not reported
Res Impacted Toxic Vapor:	Not reported
Res Impacted Explosive Vapor:	Not reported
Res Impacted Other:	Not reported
Res Impacted Drinking WW:	Not reported
Res Impacted Non-Drink WW:	Not reported
Res Impacted Potential Non Drink WW:	Not reported
Officials Onsite Health:	Not reported
Officials Onsite Fire:	Not reported
Officials Onsite Law:	Not reported
Officials Onsite Civil:	Not reported
Officials Onsite None:	Not reported
Officials Onsite Unknown:	Yes
Officials Onsite Other:	Not reported
AST:	Not reported
UST/LUST Other:	Not reported
Delete:	False
Status Memo:	Not reported

SECONDARY ROADS CRESCO MAINT SHOP (Continued) **U003633664**

Lust Cause:
Release Cause: Spill

Lust Administration:
ID: 5927
Owner Identified: No
Responsible Party Found: Yes
RP Date: Not reported
Owner Broke: No
ER Date: Not reported
Cost Recovery Start Dt: Not reported
CR Notice of Intent Dt: Not reported
CR Appeal of NOI Dt: Not reported
CR Final Decision Dt: Not reported
CR EP Comm Lien Approval Dt: Not reported
CR Lien: Not reported
CR Ten Yr Renewal Dt: Not reported
CR Lien Named: False
CR Remediation: Not reported
Delete: False
CR Amnt Received: 0
CR End Date: Not reported
Memo: Not reported

Lust Track:
ID: 6005
Site Assesment Start Date: 01/08/2002
Free Product Recvry End Date: Not reported
FP Letter Sent Date: Not reported
FP Report Frequency: Not reported
Assesment Report Due: Not reported
Assesment Report Received: Not reported
Assesment Report Approved: Not reported
Achieved Over-Excavation: Not reported
Release Not Verified Date: Not reported
Ref to Contaminated Site Section: 2002-08-05
Cleanup Start Date: 2002-08-05
Cleanup Complete Date: 2004-05-21
Cleanup Report Due Date: Not reported
Cleanup Report Received Date: Not reported
Cleanup Report Approved Date: Not reported
Check Report Due Date: Not reported
Check Report Received Date: Not reported
Check Report Rejected Date: Not reported
Check Report Approved Date: Not reported
Date Classified: 2004-05-21
Risk Classification -NFA: True
Class - Low Risk: False
Class - High Risk: False
Lust Current: Transferred-Cont.Sites
Tier 1 Consultant Recommends: Not reported
T1 Actual GW Ingestion: False
T1 Poten GW Ingestion from Protected GW: False
T1 Poten GW Ingestion from Protected GW: False
T1 GW Vapor to Enclosed Space: False
T1 GW to Plastic Water Line: False

SECONDARY ROADS CRESCO MAINT SHOP (Continued) **U003633664**

T1 Surface Water:	False
T1 Soil Leaching to GW:	False
T1 Soil Vapor to Enclosed Space:	False
T1 Soil to Plastic Line:	False
Tier 2 Consultant Recommends:	Not reported
T2 Actual GW Ingestion:	Not reported
T2 Poten GW Ingestion from Protected GW:	Not reported
T2 Poten GW Ingestion from Protected GW:	Not reported
T2 GW Vapor to Enclosed Space:	Not reported
T2 GW to Plastic Water Line:	Not reported
T2 SW General Use:	Not reported
T2 SW Designated Use:	Not reported
T2 Soil Leaching to GW:	Not reported
T2 Soil Vapor to Enclosed Space:	Not reported
T2 Soil to Plastic Line:	Not reported
Institutional Control Obtained:	False
NFA Certificate Sent:	Not reported
No Action Required:	**False**
Priority Ranking:	Not reported
Delete:	False
Track Memo:	12/14/01: TANK CLOSURE REPORT SHOWS GW-WASTE OIL ABOVE LIMITS FOR DWW.01/08/02: CERTIFIED LETTER SENT REQUIRING T1/T2. CGWP=2/10/02 T1=4/10/02.--bdj02/05/02: REC'D CGWP NOTIFICATION/OLLIE THURMAN.04/30/02: First OD letter sent with due date for T1 of 5/12/02.05/07/02: E-mail from Ollie Thurman stating site is bedrock and will require T2. Scheduling for 11/9/02.06/04/02: REC'D STATUS UPDATE. REMOVED ONE GASOLINE AND ONE DIESEL UST. ONLY WASTE OIL CONCENTRATIONS IN GROUNDWATER EXCEEDED TIER 1 LEVELS. REC'D ANALYTICAL RESULTS. RECOMMEND A TIER 2 REPORT NOT BE REQUIRED FOR THIS LOCATION.06/06/02: REJECT REQUEST TO IGNORE W-o DATA/NO SITE HISTORY GIVEN/REFERENCED 3/13/00 WEB POSTING/MUST PROVE W-o WAS NEVER STORED ON SITE OR USE DATA AND SUBMIT RBCA REPORT.bdj07/08/02: REC'D SITE HISTORY.08/05/02: REV'D SITE HISTORY SECTION/TEH-wo NEVER STORED UNDER GROUND.bdj **********GIVEN TO CAL LUNDBERG/ CONTAMINATED SITES/8/5/02**********05/21/04: Contaminated Sites has NFAed the site. Jh

UST:

Facility Id:	2522
Loc Id:	2522
Registration:	198601989
Owner Type:	1
Financial Code:	15
Insurer's Name:	PMMIC
Policy Number:	8601989
Policy Start Date:	10/20/2001
Policy End Date:	10/25/2002
Registration Sign Date:	10/26/1990
Created By:	migration
Created Date:	01/08/2007
Changed By:	migration
Last Changed:	01/08/2007
Latitude:	43.37424

SECONDARY ROADS CRESCO MAINT SHOP (Continued) **U003633664**

Longitude: -92.12813

Tank Info:

Tank Num: 5410
In Use: False
Tank Type: Not reported
Tank Brand Id: Not reported
Inert Material Id: Not reported
Filled In Place: Not reported
Material Construction: Steel with Polyethylene
Emergency Power Gen: Not reported

Tank Num: 5411
In Use: False
Tank Type: 4
Tank Brand Id: Not reported
Inert Material Id: Not reported
Filled In Place: Not reported
Material Construction: Steel with Polyethylene
Emergency Power Gen: Not reported

Tank Num: 5412
In Use: False
Tank Type: 4
Tank Brand Id: Not reported
Inert Material Id: Not reported
Filled In Place: Not reported
Material Construction: Steel with Polyethylene
Emergency Power Gen: Not reported

Tank Num: 5413
In Use: False
Tank Type: 4
Tank Brand Id: Not reported
Inert Material Id: Not reported
Filled In Place: Not reported
Material Construction: Steel with Polyethylene
Emergency Power Gen: Not reported

Tank Num: 5414
In Use: False
Tank Type: 4
Tank Brand Id: Not reported
Inert Material Id: Not reported
Filled In Place: Not reported
Material Construction: Steel with Polyethylene
Emergency Power Gen: Not reported

Tank Num: 5415
In Use: False
Tank Type: Not reported
Tank Brand Id: Not reported
Inert Material Id: Not reported
Filled In Place: Not reported
Material Construction: Steel with Polyethylene
Emergency Power Gen: Not reported

Tank Num: 5416

SECONDARY ROADS CRESCO MAINT SHOP (Continued) **U003633664**

In Use:	False
Tank Type:	4
Tank Brand Id:	Not reported
Inert Material Id:	Not reported
Filled In Place:	Not reported
Material Construction:	Double Wall Steel
Emergency Power Gen:	Not reported

Tank Num:	5417
In Use:	False
Tank Type:	4
Tank Brand Id:	Not reported
Inert Material Id:	Not reported
Filled In Place:	Not reported
Material Construction:	Double Wall Steel
Emergency Power Gen:	Not reported

IA Financial Assurance 1:

Facility ID:	198601989
Insurers Name:	PMMIC
Policy End Date:	10/25/2002
Site Status:	Not reported
Financial Code:	15
Policy Number:	8601989
Policy Start Date:	10/20/2001

A3
WNW
1/8-1/4
0.138 mi.
731 ft.

Relative: Higher

Actual: 1290 ft.

CRESCO MAINTENANCE SHOP **IA ALLSITES** **S108413974**
114 7TH STREET **N/A**
CRESCO, IA 52136

Site 2 of 2 in cluster A

ALLSITES:

Site Id Number:	854
Project Manager:	Matthew Culp
Ownership Type:	Municipal
Status:	Closed
Origin:	LUST Referral
Program:	CERCLA Preremedial
Site Type:	Spill

4
ENE
1/4-1/2
0.432 mi.
2279 ft.

Relative: Higher

Actual: 1305 ft.

HOSPITIAL SERVICES **IA SWF/LF** **U001868758**
235 8TH AVE WEST **IA LUST** **N/A**
CRESCO, IA 52136 **IA UST**
IA Financial Assurance

SWF/LF:

Facility ID:	45-SDP-01-89
Facility Type:	Incinerator
Permit Stage:	Rescission
Expiration Date:	Not reported
Project Officer:	Buckendahl
Affiliation:	Design Engineer
Phone:	Work: (507) 645-7080Fax: (507) 645-7073

HOSPITIAL SERVICES (Continued) **U001868758**

Contact Name:	Cabot Thunem
Contact Title:	Not reported
Contact eMail:	Not reported
Contact Company:	Valhalla Energy Systems
Contact Address:	PO Box 2006
Contact Address2:	Not reported
Contact City,St,Zip:	Faribault, MN 55021-2006
Field Office:	1
Loc Supplement:	North 470', Block 8, Beadle's Subdivision, Irregul
Latitude:	43.381030
Longitude:	-92.118290

Facility ID:	45-SDP-01-89
Facility Type:	Incinerator
Permit Stage:	Rescission
Expiration Date:	Not reported
Project Officer:	Buckendahl
Affiliation:	Primary Contact,Responsible Official of Agency served,Automated Email
Phone:	Fax: (563) 547-3448Work: (319) 547-2101
Contact Name:	Steven J Duerre
Contact Title:	Facilities Manager
Contact eMail:	duerres@mercyhealth.com
Contact Company:	Regional Health Services of Howard County
Contact Address:	235 8th Avenue West
Contact Address2:	Not reported
Contact City,St,Zip:	Cresco, IA 52136
Field Office:	1
Loc Supplement:	North 470', Block 8, Beadle's Subdivision, Irregul
Latitude:	43.381030
Longitude:	-92.118290

LUST:

Facility ID:	1596
Spill Number:	Not reported
Occur Date:	Not reported
Discover Date:	07/23/1998
Discover Time:	Not reported
Record Date:	09/11/1998
Leak Number:	9LTG58
Loc ID:	63889
Ust ID:	3592
Latitude:	43.38103
Longitude:	-92.11829
Start Date:	09/11/1998
Spill Date:	Not reported
Date Occurred Time:	Not reported
Lead ID:	4
Coordinator ID:	2
Staff ID:	18
Discover Method ID:	5
Leak Status:	Unknown
Tanks Removed:	Not reported
Created Date:	01/08/2007
Created By:	migration
Last Changed:	01/08/2007
Changed By:	migration

HOSPITIAL SERVICES (Continued) **U001868758**

Lust Status:

ID:	1596
Site Leak Number:	9LTG58
Discovered During:	Other
Tanks Removed:	00
Leak Cause:	Not reported
Gas:	Not reported
Diesel:	Not reported
Oil:	Yes
Kerosene:	Not reported
Released Fuel Oil:	Not reported
Released Hydraulic Oil:	Not reported
Released Other Petroleum:	Not reported
Released Unknown:	Not reported
Released Non_Petroleum Chemical:	Not reported
Gallons Released:	000000000000
Leak Status:	Unknown
Loc Soil:	Not reported
Loc Ground Water:	Yes
Loc Surface Water:	Not reported
Loc Water Supply:	Not reported
Res Public Water Supply:	Yes
Resources Water Well:	Not reported
Res Actual Drinking WW:	Not reported
Res Non-Drink WW:	Not reported
Res Soil:	Not reported
Res Ground Water:	Not reported
Res Surface Water:	Not reported
Res Toxic Vapor:	Not reported
Res Explosive Vapor:	Not reported
Res Other:	Not reported
Res Impacted Soil:	Not reported
Res Impacted Ground Water:	Not reported
Res Impacted Water Well:	Not reported
Res Impacted Pub Water Supply:	Not reported
Res Impacted Surface Water:	Not reported
Res Impacted Toxic Vapor:	Not reported
Res Impacted Explosive Vapor:	Not reported
Res Impacted Other:	Not reported
Res Impacted Drinking WW:	Not reported
Res Impacted Non-Drink WW:	Not reported
Res Impacted Potential Non Drink WW:	Not reported
Officials Onsite Health:	Not reported
Officials Onsite Fire:	Not reported
Officials Onsite Law:	Not reported
Officials Onsite Civil:	Not reported
Officials Onsite None:	Not reported
Officials Onsite Unknown:	Yes
Officials Onsite Other:	Not reported
AST:	Not reported
UST/LUST Other:	Not reported
Delete:	False
Status Memo:	Not reported

Lust GW:

Groundwater Professional Applicant#:	1596

HOSPITIAL SERVICES (Continued) **U001868758**

GWP Applicant Last Name:	KACER
GWP Applicant First Name:	JAMES
GWP Firm:	TERRACON ENVIRONMENTAL, INC
GWP Address:	600 SW 7TH, SUITE M
GWP Address 2:	Not reported
GWP City/State/Zip:	DES MOINES, IA 50309-
GWP Phone:	5152443184
GWP Fax:	Not reported
GWP EMail:	jlkacer@terracon.com
GWP Exp Of Gwp Cert.:	12/31/2005
Is Gwp Certified?:	False
Is Gwp Cert. For CADR?:	False
GWP Business Phone Num:	3196658290
GWP Delete:	False
GWP Memo:	04/04/03: PER E-MAIL FROM GWP, HE NO LONGER WORKS FOR STICKLE ENTERPRISES IN CEDAR RAPIDS. 03/21/04: PER E-MAIL FROM GWP, HE NO LONGER WORKS FOR NORTHERN ENVIRONMENTAL; IS "SELF-EMPLOYED". 06/14/05: PER E-MAIL FROM GWP, HE IS NOW w/TERRACON IN DES MOINES AND WILL LIKELY NOT RENEW GWP STATUS THIS DECEMBER.
Date Received:	04/10/1997
GWP Business Address:	PO BOX 679
GWP City:	NORTH LIBERTY
GWP State:	IA
GWP Zip:	52317-0679
Qualify Number:	6,,,
Qualify Date:	04/17/1997
Fee Received:	Y
Renewal Date:	12/04/2003
Renewal New:	Y
Date Denied:	Not reported
Warning:	Not reported
Certificate Issued:	12/05/2003
Revoke Date:	Not reported
IAPE:	13350
Degree:	MS-CIVIL, MS-ENVR ENGR
Typeengr:	CIVIL (SEE MEMO)
Transc:	Y
Exper:	Y
Affiliates:	Y
Date Record:	12/06/1999

Lust Misc:

Misc Due Date:	Not reported	Misc Rec Date:	Not reported
Misc Other:	Not reported	Misc Title:	Not reported

Lust Remediation:

Heat Treatment:	False
Land Application:	False
On Site:	False
Achieved Over-Excavation:	False
Soil Venting Passive:	False
Soil Venting Active:	False
BioRemediation Passive:	False

HOSPITIAL SERVICES (Continued) **U001868758**

BioRemediation Active:	False
In Situ GW Treatment - Air Sparging:	False
Ground Water:	False
Fresh Water:	False
IGT - pH Adjustment:	False
Nutrient:	False
Oxygen:	False
Biological:	False
Permit Date:	Not reported
Other:	False
Surface Treatment - Carbon Absorption:	False
Biological:	False
ST Other:	False
TDT Sanitary Sewer:	False
TDT Storm Sewer:	False
Stream:	False
TDT Other:	False
Reduced Risk Plugged Well:	False
RR Replace:	False
RR Relocate:	False
RR Other:	False
Delete:	False
Rem Memo:	Not reported

Lust Tier 2 Report:

T2 Assesment Due:	Not reported
T2 Received:	05/26/1999
T2 Accepted:	08/19/1999
T2 Rejected:	Not reported
T2 Reviewed:	Not reported

Lust Administration:

ID:	1596
Owner Identified:	Yes
Responsible Party Found:	Yes
RP Date:	09/11/1998
Owner Broke:	No
ER Date:	Not reported
Cost Recovery Start Dt:	Not reported
CR Notice of Intent Dt:	Not reported
CR Appeal of NOI Dt:	Not reported
CR Final Decision Dt:	Not reported
CR EP Comm Lien Approval Dt:	Not reported
CR Lien:	Not reported
CR Ten Yr Renewal Dt:	Not reported
CR Lien Named:	False
CR Remediation:	Not reported
Delete:	False
CR Amnt Received:	Not reported
CR End Date:	Not reported
Memo:	Not reported

Lust Bedrock Well:

ID:	153
Category:	Non Granular
Sample Water Supply:	False

HOSPITIAL SERVICES (Continued) **U001868758**

GIS Survey:	False
Lust Track:	
ID:	1596
Site Assesment Start Date:	11/05/1998
Free Product Recvry End Date:	Not reported
FP Letter Sent Date:	Not reported
FP Report Frequency:	Not reported
Assesment Report Due:	Not reported
Assesment Report Received:	Not reported
Assesment Report Approved:	Not reported
Achieved Over-Excavation:	Not reported
Release Not Verified Date:	Not reported
Ref to Contaminated Site Section:	Not reported
Cleanup Start Date:	1998-11-05
Cleanup Complete Date:	2003-07-21
Cleanup Report Due Date:	Not reported
Cleanup Report Received Date:	Not reported
Cleanup Report Approved Date:	Not reported
Check Report Due Date:	Not reported
Check Report Received Date:	Not reported
Check Report Rejected Date:	Not reported
Check Report Approved Date:	Not reported
Date Classified:	2003-07-21
Risk Classification -NFA:	True
Class - Low Risk:	False
Class - High Risk:	False
Lust Current:	No Action Required
Tier 1 Consultant Recommends:	Not reported
T1 Actual GW Ingestion:	False
T1 Poten GW Ingestion from Protected GW:	False
T1 Poten GW Ingestion from Protected GW:	False
T1 GW Vapor to Enclosed Space:	False
T1 GW to Plastic Water Line:	False
T1 Surface Water:	False
T1 Soil Leaching to GW:	False
T1 Soil Vapor to Enclosed Space:	False
T1 Soil to Plastic Line:	False
Tier 2 Consultant Recommends:	NFA
T2 Actual GW Ingestion:	NFA
T2 Poten GW Ingestion from Protected GW:	NFA
T2 Poten GW Ingestion from Protected GW:	NFA
T2 GW Vapor to Enclosed Space:	NFA
T2 GW to Plastic Water Line:	NFA
T2 SW General Use:	NFA
T2 SW Designated Use:	NFA
T2 Soil Leaching to GW:	NFA
T2 Soil Vapor to Enclosed Space:	NFA
T2 Soil to Plastic Line:	NFA
Institutional Control Obtained:	False
NFA Certificate Sent:	2003-08-27
No Action Required:	**False**
Priority Ranking:	3
Delete:	False
Track Memo:	11/05/98: REQUIRED T2 (BEDROCK), DUE 5/9/99.05/26/99: REC'D TIER 2 REPORT AND DISK.08/19/99: Accepted T2 and high risk classifiaction, monitoring only, SMR due

HOSPITIAL SERVICES (Continued) **U001868758**

10/30/00.11/09/00: REC'D SMR.09/11/01: REC'D SMR REQ RECLASS. SMR TIER 2 DISK.08/21/02: SENT SMR RECLASS TO PEI. --se07/21/03: ACCEPT SMR/NFA LETTER SENT.bdj08/25/03: REC'D ABANDONED WATER WELL PLUGGING RECORDS & LEGAL DESCRIPTION. Bsg

UST:

Facility Id:	3592
Loc Id:	3592
Registration:	198603092
Owner Type:	1
Financial Code:	16
Insurer's Name:	Not reported
Policy Number:	Not reported
Policy Start Date:	Not reported
Policy End Date:	Not reported
Registration Sign Date:	03/10/1986
Created By:	migration
Created Date:	01/08/2007
Changed By:	Kock-Niedermayer.Lisa
Last Changed:	08/05/2014
Latitude:	43.38103
Longitude:	-92.11829

Tank Info:

Tank Num:	8437
In Use:	False
Tank Type:	4
Tank Brand Id:	Not reported
Inert Material Id:	Not reported
Filled In Place:	Not reported
Material Construction:	Double Wall Steel
Emergency Power Gen:	Not reported

Tank Num:	8438
In Use:	False
Tank Type:	4
Tank Brand Id:	Not reported
Inert Material Id:	Not reported
Filled In Place:	Not reported
Material Construction:	Double Wall Steel
Emergency Power Gen:	Not reported

Tank Num:	8439
In Use:	True
Tank Type:	4
Tank Brand Id:	Not reported
Inert Material Id:	Not reported
Filled In Place:	Not reported
Material Construction:	Composite (steel with FRP)
Emergency Power Gen:	Not reported

IA Financial Assurance 1:

Facility ID:	198603092
Insurers Name:	Not reported

HOSPITIAL SERVICES (Continued) **U001868758**

Policy End Date:	Not reported
Site Status:	Not reported
Financial Code:	16
Policy Number:	Not reported
Policy Start Date:	Not reported

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5 **CITY OF CRESCO** **IA LUST** **1011291763**
SSE **148 4TH ST SW** **IA UST** **N/A**
1/4-1/2 **CRESCO, IA 52136** **FINDS**
0.432 mi.
2282 ft.

Relative:
Higher

Actual:
1305 ft.

LUST:

Facility ID:	2109
Spill Number:	Not reported
Occur Date:	Not reported
Discover Date:	06/21/1993
Discover Time:	Not reported
Record Date:	04/29/1994
Leak Number:	8LTY92
Loc ID:	64424
Ust ID:	4821
Latitude:	43.37161
Longitude:	-92.12165
Start Date:	05/02/1994
Spill Date:	Not reported
Date Occurred Time:	Not reported
Lead ID:	4
Coordinator ID:	2
Staff ID:	3
Discover Method ID:	5
Leak Status:	Stopped
Tanks Removed:	Not reported
Created Date:	01/08/2007
Created By:	migration
Last Changed:	01/08/2007
Changed By:	migration

Lust Status:

ID:	2109
Site Leak Number:	8LTY92
Discovered During:	Other
Tanks Removed:	00
Leak Cause:	UNK
Gas:	Yes
Diesel:	Yes
Oil:	Not reported
Kerosene:	Not reported
Released Fuel Oil:	Not reported
Released Hydraulic Oil:	Not reported
Released Other Petroleum:	Not reported
Released Unknown:	Not reported
Released Non_Petroleum Chemical:	Not reported
Gallons Released:	Not reported
Leak Status:	Stopped
Loc Soil:	Yes
Loc Ground Water:	Yes
Loc Surface Water:	Not reported

CITY OF CRESCO (Continued) **1011291763**

Loc Water Supply:	Not reported
Res Public Water Supply:	Not reported
Resources Water Well:	Not reported
Res Actual Drinking WW:	Not reported
Res Non-Drink WW:	Not reported
Res Soil:	Not reported
Res Ground Water:	Not reported
Res Surface Water:	Not reported
Res Toxic Vapor:	Not reported
Res Explosive Vapor:	Not reported
Res Other:	Yes
Res Impacted Soil:	Not reported
Res Impacted Ground Water:	Not reported
Res Impacted Water Well:	Not reported
Res Impacted Pub Water Supply:	Not reported
Res Impacted Surface Water:	Not reported
Res Impacted Toxic Vapor:	Not reported
Res Impacted Explosive Vapor:	Not reported
Res Impacted Other:	Not reported
Res Impacted Drinking WW:	Not reported
Res Impacted Non-Drink WW:	Not reported
Res Impacted Potential Non Drink WW:	Not reported
Officials Onsite Health:	Not reported
Officials Onsite Fire:	Not reported
Officials Onsite Law:	Not reported
Officials Onsite Civil:	Not reported
Officials Onsite None:	Yes
Officials Onsite Unknown:	Not reported
Officials Onsite Other:	Not reported
AST:	Not reported
UST/LUST Other:	Not reported
Delete:	False
Status Memo:	Not reported

Lust Cause:

Release Cause:	Unknown

Lust Misc:

Misc Due Date:	Not reported	Misc Rec Date:	Not reported
Misc Other:	Not reported	Misc Title:	Not reported

Lust Remediation:

Heat Treatment:	False
Land Application:	False
On Site:	False
Achieved Over-Excavation:	False
Soil Venting Passive:	False
Soil Venting Active:	False
BioRemediation Passive:	False
BioRemediation Active:	False
In Situ GW Treatment - Air Sparging:	False
Ground Water:	False
Fresh Water:	False
IGT - pH Adjustment:	False
Nutrient:	False
Oxygen:	False

CITY OF CRESCO (Continued) **1011291763**

Biological:	False
Permit Date:	Not reported
Other:	False
Surface Treatment - Carbon Absorption:	False
Biological:	False
ST Other:	False
TDT Sanitary Sewer:	False
TDT Storm Sewer:	False
Stream:	False
TDT Other:	False
Reduced Risk Plugged Well:	False
RR Replace:	False
RR Relocate:	False
RR Other:	False
Delete:	False
Rem Memo:	Not reported

Lust Tier 2 Report:

T2 Assesment Due:	01/30/1999
T2 Received:	12/14/1998
T2 Accepted:	01/25/1999
T2 Rejected:	Not reported
T2 Reviewed:	Not reported

Lust Administration:

ID:	2109
Owner Identified:	Yes
Responsible Party Found:	Yes
RP Date:	05/02/1994
Owner Broke:	No
ER Date:	Not reported
Cost Recovery Start Dt:	Not reported
CR Notice of Intent Dt:	Not reported
CR Appeal of NOI Dt:	Not reported
CR Final Decision Dt:	Not reported
CR EP Comm Lien Approval Dt:	Not reported
CR Lien:	Not reported
CR Ten Yr Renewal Dt:	Not reported
CR Lien Named:	False
CR Remediation:	Not reported
Delete:	False
CR Amnt Received:	Not reported
CR End Date:	Not reported
Memo:	Not reported

Lust Track:

ID:	2109
Site Assesment Start Date:	Not reported
Free Product Recvry End Date:	Not reported
FP Letter Sent Date:	Not reported
FP Report Frequency:	Not reported
Assesment Report Due:	Not reported
Assesment Report Received:	Not reported
Assesment Report Approved:	Not reported
Achieved Over-Excavation:	Not reported
Release Not Verified Date:	Not reported

CITY OF CRESCO (Continued) **1011291763**

Ref to Contaminated Site Section:	Not reported
Cleanup Start Date:	1999-01-25
Cleanup Complete Date:	1999-01-25
Cleanup Report Due Date:	Not reported
Cleanup Report Received Date:	Not reported
Cleanup Report Approved Date:	Not reported
Check Report Due Date:	Not reported
Check Report Received Date:	Not reported
Check Report Rejected Date:	Not reported
Check Report Approved Date:	Not reported
Date Classified:	1999-01-25
Risk Classification -NFA:	True
Class - Low Risk:	False
Class - High Risk:	False
Lust Current:	No Action Required
Tier 1 Consultant Recommends:	NFA
T1 Actual GW Ingestion:	False
T1 Poten GW Ingestion from Protected GW:	False
T1 Poten GW Ingestion from Protected GW:	False
T1 GW Vapor to Enclosed Space:	False
T1 GW to Plastic Water Line:	False
T1 Surface Water:	False
T1 Soil Leaching to GW:	False
T1 Soil Vapor to Enclosed Space:	False
T1 Soil to Plastic Line:	False
Tier 2 Consultant Recommends:	NFA
T2 Actual GW Ingestion:	NFA
T2 Poten GW Ingestion from Protected GW:	NFA
T2 Poten GW Ingestion from Protected GW:	NFA
T2 GW Vapor to Enclosed Space:	NFA
T2 GW to Plastic Water Line:	NFA
T2 SW General Use:	NFA
T2 SW Designated Use:	NFA
T2 Soil Leaching to GW:	NFA
T2 Soil Vapor to Enclosed Space:	NFA
T2 Soil to Plastic Line:	NFA
Institutional Control Obtained:	False
NFA Certificate Sent:	1999-06-15
No Action Required:	**False**
Priority Ranking:	5
Delete:	False
Track Memo:	05/10/94: RELEASE DISCOVERED BY SCR WORK FOR ADJACENT SITE (7TLV19). SENT LTR REQUIRING SCR BY 11/14/94, CONSULTANT DUE 6/13/94.05/25/94: CONSULTANT REC'D - H.R. GREEN.08/04/94: ACCEPTED REQUEST TO CONDUCT LIMITED ASSESSMENT. RESULTS DUE 11/14/94.10/05/94: REC'D LIMITED ASSESS REPORT; RISK EVALUATION NEEDED.11/01/94: SENT LTR REQUIRING SCR. SCR DUE 5/5/95.05/16/95: GRANTED TIME EXTENSION. SCR DUE 8/15/95.08/21/95: REC'D SCR. THE CONTAMIANTION PLUME AT THIS SITE IS COMMINGLED W/THE PLUME AT STEVE & TOM'S 66 (7LTV19).10/11/95: SCR REVIEWED & ACCEPTED. HIGH RISK. CADR REQUIRED.01/30/98: REQ. TIER 1.05/08/98: REC'D T1, PROPOSING T2. NO DISK-CGWP TO SEND-REC'D 5/14/98.09/25/98: TIER 1 REV'D: APPROVED, WITH COMMENT (JRG REVIEW). TIER 2 DUE 1/20/99.12/14/98: REC'D T2, P5.01/25/99: T2 OK, NAR.

CITY OF CRESCO (Continued) **1011291763**

UST:

Facility Id:	4821
Loc Id:	4821
Registration:	198604365
Owner Type:	5
Financial Code:	Not reported
Insurer's Name:	Not reported
Policy Number:	Not reported
Policy Start Date:	Not reported
Policy End Date:	Not reported
Registration Sign Date:	04/15/1986
Created By:	migration
Created Date:	01/08/2007
Changed By:	migration
Last Changed:	01/08/2007
Latitude:	43.37161
Longitude:	-92.12165

Tank Info:

Tank Num:	12414
In Use:	False
Tank Type:	4
Tank Brand Id:	Not reported
Inert Material Id:	Not reported
Filled In Place:	Not reported
Material Construction:	Double Wall Steel
Emergency Power Gen:	Not reported

Tank Num:	12415
In Use:	False
Tank Type:	4
Tank Brand Id:	Not reported
Inert Material Id:	Not reported
Filled In Place:	Not reported
Material Construction:	Double Wall Steel
Emergency Power Gen:	Not reported

FINDS:

Registry ID: 110036339986

Environmental Interest/Information System
IDNR-EFD (Iowa Department Of Natural Resources - Emission Factor Documentation) provides information about existing emission factors

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6 **FARMERS COOP FEED** **IA LUST U003169101**
SSE **120 WEST 5TH ST** **IA UST N/A**
1/4-1/2 **CRESCO, IA 52136**
0.487 mi.
2572 ft.

Relative:
Lower

Actual:
1289 ft.

LUST:

Facility ID:	1342
Spill Number:	Not reported
Occur Date:	Not reported

FARMERS COOP FEED (Continued) **U003169101**

Discover Date:	09/15/1990
Discover Time:	Not reported
Record Date:	01/23/1992
Leak Number:	8LTR93
Loc ID:	63621
Ust ID:	3010
Latitude:	43.37230
Longitude:	-92.12452
Start Date:	01/24/1992
Spill Date:	Not reported
Date Occurred Time:	Not reported
Lead ID:	4
Coordinator ID:	2
Staff ID:	Not reported
Discover Method ID:	3
Leak Status:	Stopped
Tanks Removed:	Not reported
Created Date:	01/08/2007
Created By:	migration
Last Changed:	01/08/2007
Changed By:	migration

Lust Status:

ID:	1342
Site Leak Number:	8LTR93
Discovered During:	Removal
Tanks Removed:	03
Leak Cause:	UNK
Gas:	Yes
Diesel:	Yes
Oil:	Not reported
Kerosene:	Not reported
Released Fuel Oil:	Not reported
Released Hydraulic Oil:	Not reported
Released Other Petroleum:	Not reported
Released Unknown:	Not reported
Released Non_Petroleum Chemical:	Not reported
Gallons Released:	Not reported
Leak Status:	Stopped
Loc Soil:	Yes
Loc Ground Water:	Not reported
Loc Surface Water:	Not reported
Loc Water Supply:	Not reported
Res Public Water Supply:	Not reported
Resources Water Well:	Not reported
Res Actual Drinking WW:	Not reported
Res Non-Drink WW:	Not reported
Res Soil:	Not reported
Res Ground Water:	Not reported
Res Surface Water:	Not reported
Res Toxic Vapor:	Not reported
Res Explosive Vapor:	Not reported
Res Other:	Not reported
Res Impacted Soil:	Not reported
Res Impacted Ground Water:	Not reported
Res Impacted Water Well:	Not reported
Res Impacted Pub Water Supply:	Not reported
Res Impacted Surface Water:	Not reported

FARMERS COOP FEED (Continued) **U003169101**

Res Impacted Toxic Vapor:	Not reported
Res Impacted Explosive Vapor:	Not reported
Res Impacted Other:	Not reported
Res Impacted Drinking WW:	Not reported
Res Impacted Non-Drink WW:	Not reported
Res Impacted Potential Non Drink WW:	Not reported
Officials Onsite Health:	Not reported
Officials Onsite Fire:	Not reported
Officials Onsite Law:	Not reported
Officials Onsite Civil:	Not reported
Officials Onsite None:	Yes
Officials Onsite Unknown:	Not reported
Officials Onsite Other:	Not reported
AST:	Not reported
UST/LUST Other:	Not reported
Delete:	False
Status Memo:	Not reported

Lust Cause:

Release Cause:	Unknown

Lust GW:

Groundwater Professional Applicant#:	1342
GWP Applicant Last Name:	OHMAN
GWP Applicant First Name:	ROSS
GWP Firm:	Not reported
GWP Address:	Not reported
GWP Address 2:	Not reported
GWP City/State/Zip:	Not reported
GWP Phone:	Not reported
GWP Fax:	Not reported
GWP EMail:	Not reported
GWP Exp Of Gwp Cert.:	Not reported
Is Gwp Certified?:	False
Is Gwp Cert. For CADR?:	False
GWP Business Phone Num:	6514640188
GWP Delete:	False
GWP Memo:	Not reported
Date Received:	10/01/1992
GWP Business Address:	21990 IDEAL AVENUE N
GWP City:	FOREST LAKE
GWP State:	MN
GWP Zip:	55025-
Qualify Number:	11,,,
Qualify Date:	Not reported
Fee Received:	Y
Renewal Date:	Not reported
Renewal New:	Not reported
Date Denied:	Not reported
Warning:	Not reported
Certificate Issued:	Not reported
Revoke Date:	Not reported
IAPE:	Not reported
Degree:	Not reported
Typeengr:	Not reported
Transc:	Not reported

FARMERS COOP FEED (Continued) **U003169101**

Exper: Not reported
Affiliates: Not reported
Date Record: Not reported

Lust Misc:
Misc Due Date: 10/10/1993 Misc Rec Date: 09/29/1993
Misc Other: Not reported Misc Title: Not reported

Lust Remediation:
Heat Treatment: False
Land Application: False
On Site: False
Achieved Over-Excavation: False
Soil Venting Passive: False
Soil Venting Active: False
BioRemediation Passive: False
BioRemediation Active: False
In Situ GW Treatment - Air Sparging: False
Ground Water: False
Fresh Water: False
IGT - pH Adjustment: False
Nutrient: False
Oxygen: False
Biological: False
Permit Date: Not reported
Other: False
Surface Treatment - Carbon Absorption: False
Biological: False
ST Other: False
TDT Sanitary Sewer: False
TDT Storm Sewer: False
Stream: False
TDT Other: False
Reduced Risk Plugged Well: False
RR Replace: False
RR Relocate: False
RR Other: False
Delete: False
Rem Memo: Not reported

Lust Administration:
ID: 1342
Owner Identified: Yes
Responsible Party Found: Yes
RP Date: 01/24/1992
Owner Broke: Yes
ER Date: Not reported
Cost Recovery Start Dt: Not reported
CR Notice of Intent Dt: Not reported
CR Appeal of NOI Dt: Not reported
CR Final Decision Dt: Not reported
CR EP Comm Lien Approval Dt: Not reported
CR Lien: Not reported
CR Ten Yr Renewal Dt: Not reported
CR Lien Named: False
CR Remediation: Not reported

FARMERS COOP FEED (Continued) **U003169101**

Delete:	False
CR Amnt Received:	Not reported
CR End Date:	Not reported
Memo:	Not reported

Lust Track:

ID:	1342
Site Assesment Start Date:	10/08/1992
Free Product Recvry End Date:	Not reported
FP Letter Sent Date:	Not reported
FP Report Frequency:	Not reported
Assesment Report Due:	Not reported
Assesment Report Received:	Not reported
Assesment Report Approved:	Not reported
Achieved Over-Excavation:	Not reported
Release Not Verified Date:	Not reported
Ref to Contaminated Site Section:	Not reported
Cleanup Start Date:	1993-09-01
Cleanup Complete Date:	1994-10-29
Cleanup Report Due Date:	1993-05-05
Cleanup Report Received Date:	1993-05-19
Cleanup Report Approved Date:	1993-09-01
Check Report Due Date:	Not reported
Check Report Received Date:	Not reported
Check Report Rejected Date:	Not reported
Check Report Approved Date:	Not reported
Date Classified:	1994-10-29
Risk Classification -NFA:	True
Class - Low Risk:	False
Class - High Risk:	False
Lust Current:	No Action Required
Tier 1 Consultant Recommends:	Not reported
T1 Actual GW Ingestion:	False
T1 Poten GW Ingestion from Protected GW:	False
T1 Poten GW Ingestion from Protected GW:	False
T1 GW Vapor to Enclosed Space:	False
T1 GW to Plastic Water Line:	False
T1 Surface Water:	False
T1 Soil Leaching to GW:	False
T1 Soil Vapor to Enclosed Space:	False
T1 Soil to Plastic Line:	False
Tier 2 Consultant Recommends:	Not reported
T2 Actual GW Ingestion:	Not reported
T2 Poten GW Ingestion from Protected GW:	Not reported
T2 Poten GW Ingestion from Protected GW:	Not reported
T2 GW Vapor to Enclosed Space:	Not reported
T2 GW to Plastic Water Line:	Not reported
T2 SW General Use:	Not reported
T2 SW Designated Use:	Not reported
T2 Soil Leaching to GW:	Not reported
T2 Soil Vapor to Enclosed Space:	Not reported
T2 Soil to Plastic Line:	Not reported
Institutional Control Obtained:	False
NFA Certificate Sent:	Not reported
No Action Required:	**False**
Priority Ranking:	Not reported
Delete:	False

FARMERS COOP FEED (Continued) **U003169101**

Track Memo: 10/08/92: SCR LETTER SENT. SCR DUE 04/20/93.10/30/92: SCR LTR RESENT B/C THE FIRST LTR WAS UNCLAIMED. ALSO HAVING THE FIELD OFFICE HAND DELIVER THE SCR LTR. SCR NOW DUE 5/5/93.10/28/94: SITE RECLASSIFIED TO LOW RISK W/NO MONITORING REQUIRED.08/28/97: NFA LETTER SENT.

UST:

Facility Id:	3010
Loc Id:	3010
Registration:	198602490
Owner Type:	6
Financial Code:	Not reported
Insurer's Name:	Not reported
Policy Number:	Not reported
Policy Start Date:	Not reported
Policy End Date:	Not reported
Registration Sign Date:	02/17/1986
Created By:	migration
Created Date:	01/08/2007
Changed By:	migration
Last Changed:	01/08/2007
Latitude:	43.37230
Longitude:	-92.12452

Tank Info:

Tank Num:	6787
In Use:	False
Tank Type:	1
Tank Brand Id:	Not reported
Inert Material Id:	Not reported
Filled In Place:	Not reported
Material Construction:	Double Wall Steel
Emergency Power Gen:	Not reported

Tank Num:	6788
In Use:	False
Tank Type:	1
Tank Brand Id:	Not reported
Inert Material Id:	Not reported
Filled In Place:	Not reported
Material Construction:	Double Wall Steel
Emergency Power Gen:	Not reported

Tank Num:	6789
In Use:	False
Tank Type:	1
Tank Brand Id:	Not reported
Inert Material Id:	Not reported
Filled In Place:	Not reported
Material Construction:	Double Wall Steel
Emergency Power Gen:	Not reported

Count: 0 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address
		NO SITES FOUND	

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

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

Date of Government Version: 03/26/2015
Date Data Arrived at EDR: 04/08/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 75

Source: EPA
Telephone: N/A
Last EDR Contact: 11/07/2015
Next Scheduled EDR Contact: 01/18/2016
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

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

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

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

Date of Government Version: 03/26/2015
Date Data Arrived at EDR: 04/08/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 75

Source: EPA
Telephone: N/A
Last EDR Contact: 11/07/2015
Next Scheduled EDR Contact: 01/18/2016
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: 03/26/2015
Date Data Arrived at EDR: 04/08/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 75

Source: EPA
Telephone: N/A
Last EDR Contact: 11/07/2015
Next Scheduled EDR Contact: 01/18/2016
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: 03/26/2015
Date Data Arrived at EDR: 04/08/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 10/09/2015
Next Scheduled EDR Contact: 01/18/2016
Data Release Frequency: Varies

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

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

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 02/13/2014
Number of Days to Update: 94

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 08/28/2015
Next Scheduled EDR Contact: 12/07/2015
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

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

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 02/13/2014
Number of Days to Update: 94

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 08/28/2015
Next Scheduled EDR Contact: 12/07/2015
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/09/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 82

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/29/2015
Next Scheduled EDR Contact: 01/11/2016
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

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

Date of Government Version: 06/09/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 913-551-7003
Last EDR Contact: 09/29/2015
Next Scheduled EDR Contact: 01/11/2016
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 06/09/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 913-551-7003
Last EDR Contact: 09/29/2015
Next Scheduled EDR Contact: 01/11/2016
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 06/09/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 913-551-7003
Last EDR Contact: 09/29/2015
Next Scheduled EDR Contact: 01/11/2016
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

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

Date of Government Version: 06/09/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 913-551-7003
Last EDR Contact: 09/29/2015
Next Scheduled EDR Contact: 01/11/2016
Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

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

Date of Government Version: 05/28/2015
Date Data Arrived at EDR: 05/29/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 13

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 11/13/2015
Next Scheduled EDR Contact: 02/29/2016
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

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

Date of Government Version: 09/10/2015
Date Data Arrived at EDR: 09/11/2015
Date Made Active in Reports: 11/03/2015
Number of Days to Update: 53

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/31/2015
Next Scheduled EDR Contact: 12/14/2015
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: 09/10/2015
Date Data Arrived at EDR: 09/11/2015
Date Made Active in Reports: 11/03/2015
Number of Days to Update: 53

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/31/2015
Next Scheduled EDR Contact: 12/14/2015
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

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

Date of Government Version: 06/22/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 82

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 09/29/2015
Next Scheduled EDR Contact: 01/11/2016
Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

SHWS: Registry of Hazardous Waste or Hazardous Substance Disposal Sites

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: 12/31/2014
Date Data Arrived at EDR: 01/23/2015
Date Made Active in Reports: 02/19/2015
Number of Days to Update: 27

Source: Department of Natural Resources
Telephone: 515-281-8801
Last EDR Contact: 10/19/2015
Next Scheduled EDR Contact: 02/01/2016
Data Release Frequency: Annually

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

SWF/LF: Permitted Solid Waste Management 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: 09/08/2015
Date Data Arrived at EDR: 09/09/2015
Date Made Active in Reports: 10/21/2015
Number of Days to Update: 42

Source: Department of Natural Resources
Telephone: 515-281-8801
Last EDR Contact: 09/09/2015
Next Scheduled EDR Contact: 12/21/2015
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank Data

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

Date of Government Version: 09/08/2015
Date Data Arrived at EDR: 09/17/2015
Date Made Active in Reports: 10/21/2015
Number of Days to Update: 34

Source: Department of Natural Resources
Telephone: 515-281-6001
Last EDR Contact: 09/03/2015
Next Scheduled EDR Contact: 12/21/2015
Data Release Frequency: Quarterly

LAST: Leaking Aboveground Storage Tank Sites

A listing of leaking aboveground storage tank sites.

Date of Government Version: 07/18/2015
Date Data Arrived at EDR: 07/20/2015
Date Made Active in Reports: 08/06/2015
Number of Days to Update: 17

Source: Department of Natural Resources
Telephone: 515-281-6001
Last EDR Contact: 10/19/2015
Next Scheduled EDR Contact: 02/01/2016
Data Release Frequency: Quarterly

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 07/28/2015
Date Data Arrived at EDR: 08/07/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 67

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 10/26/2015
Next Scheduled EDR Contact: 02/08/2016
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 05/13/2015
Date Data Arrived at EDR: 08/03/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 71

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 10/26/2015
Next Scheduled EDR Contact: 02/08/2016
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 07/21/2015
Date Data Arrived at EDR: 07/29/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 76

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/26/2015
Next Scheduled EDR Contact: 02/08/2016
Data Release Frequency: Quarterly

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

Date of Government Version: 07/30/2015
Date Data Arrived at EDR: 08/07/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 67

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 10/26/2015
Next Scheduled EDR Contact: 02/08/2016
Data Release Frequency: Semi-Annually

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: 01/08/2015
Date Data Arrived at EDR: 01/08/2015
Date Made Active in Reports: 02/09/2015
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 10/30/2015
Next Scheduled EDR Contact: 02/08/2016
Data Release Frequency: Quarterly

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

Date of Government Version: 04/30/2015
Date Data Arrived at EDR: 05/05/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 48

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 10/08/2015
Next Scheduled EDR Contact: 02/08/2016
Data Release Frequency: Quarterly

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

Date of Government Version: 02/03/2015
Date Data Arrived at EDR: 04/30/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 53

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 10/27/2015
Next Scheduled EDR Contact: 02/08/2016
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: 03/30/2015
Date Data Arrived at EDR: 04/28/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 55

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 10/08/2015
Next Scheduled EDR Contact: 02/08/2016
Data Release Frequency: Varies

State and tribal registered storage tank lists

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

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 10/08/2015
Next Scheduled EDR Contact: 01/25/2016
Data Release Frequency: Varies

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

Date of Government Version: 09/08/2015
Date Data Arrived at EDR: 09/17/2015
Date Made Active in Reports: 10/21/2015
Number of Days to Update: 34

Source: Department of Natural Resources
Telephone: 515-281-6001
Last EDR Contact: 09/03/2015
Next Scheduled EDR Contact: 12/21/2015
Data Release Frequency: Quarterly

AST: Aboveground Storage Tank Sites

Bulk fuel facilities, commercial fuel operations, private farm sites, and any other storage facility that meets the Department of Public Safety?s registration criteria. They register any class I, II or III petroleum product (gas, diesel and oil) above 1,100 gallons.

Date of Government Version: 09/28/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 10/21/2015
Number of Days to Update: 22

Source: Department of Public Safety
Telephone: 515-281-5821
Last EDR Contact: 09/28/2015
Next Scheduled EDR Contact: 01/11/2016
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

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

Date of Government Version: 07/30/2015
Date Data Arrived at EDR: 08/07/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 67

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 10/26/2015
Next Scheduled EDR Contact: 02/08/2016
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

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

Date of Government Version: 07/28/2015
Date Data Arrived at EDR: 08/07/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 67

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 10/26/2015
Next Scheduled EDR Contact: 02/08/2016
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

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

Date of Government Version: 07/21/2015
Date Data Arrived at EDR: 07/29/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 76

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/26/2015
Next Scheduled EDR Contact: 02/08/2016
Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land

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

Date of Government Version: 02/03/2015
Date Data Arrived at EDR: 04/30/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 53

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 10/27/2015
Next Scheduled EDR Contact: 02/08/2016
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

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

Date of Government Version: 09/23/2014
Date Data Arrived at EDR: 11/25/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 65

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 10/26/2015
Next Scheduled EDR Contact: 02/08/2016
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: 05/13/2015
Date Data Arrived at EDR: 08/03/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 71

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 10/26/2015
Next Scheduled EDR Contact: 02/08/2016
Data Release Frequency: Semi-Annually

INDIAN UST R9: Underground Storage Tanks on Indian Land

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

Date of Government Version: 12/14/2014
Date Data Arrived at EDR: 02/13/2015
Date Made Active in Reports: 03/13/2015
Number of Days to Update: 28

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 10/30/2015
Next Scheduled EDR Contact: 02/09/2016
Data Release Frequency: Quarterly

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: 07/28/2015
Date Data Arrived at EDR: 08/14/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 60

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 02/08/2016
Data Release Frequency: Quarterly

State and tribal institutional control / engineering control registries

INST CONTROL: Sites with Institutional Controls

Sites currently enrolled in the Land Recycling Program that have Institutional Controls.

Date of Government Version: 07/21/2015
Date Data Arrived at EDR: 07/21/2015
Date Made Active in Reports: 08/06/2015
Number of Days to Update: 16

Source: Department of Natural Resources
Telephone: 515-242-5818
Last EDR Contact: 10/21/2015
Next Scheduled EDR Contact: 02/01/2016
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

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

Date of Government Version: 09/29/2014
Date Data Arrived at EDR: 10/01/2014
Date Made Active in Reports: 11/06/2014
Number of Days to Update: 36

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 09/29/2015
Next Scheduled EDR Contact: 01/11/2016
Data Release Frequency: Varies

VCP: Land Recycling Program Sites
Sites currently enrolled in the Land Recycling Program.

Date of Government Version: 07/18/2015
Date Data Arrived at EDR: 07/20/2015
Date Made Active in Reports: 08/06/2015
Number of Days to Update: 17

Source: Department of Natural Resources
Telephone: 515-242-5818
Last EDR Contact: 10/19/2015
Next Scheduled EDR Contact: 02/01/2016
Data Release Frequency: Varies

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

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Site Listing
Brownfields are abandoned, idled, or under-used industrial and commercial facilities where expansion or redevelopment is complicated by real or perceived environmental contamination.

Date of Government Version: 07/18/2015
Date Data Arrived at EDR: 07/20/2015
Date Made Active in Reports: 08/06/2015
Number of Days to Update: 17

Source: Department of Natural Resources
Telephone: 515-281-8489
Last EDR Contact: 10/19/2015
Next Scheduled EDR Contact: 02/01/2016
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: 06/22/2015
Date Data Arrived at EDR: 06/24/2015
Date Made Active in Reports: 09/02/2015
Number of Days to Update: 70

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/23/2015
Next Scheduled EDR Contact: 01/04/2016
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

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: 11/06/2015
Next Scheduled EDR Contact: 02/15/2016
Data Release Frequency: Varies

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

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

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137
Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 10/26/2015
Next Scheduled EDR Contact: 02/08/2016
Data Release Frequency: No Update Planned

Local Lists of Hazardous waste / Contaminated Sites

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

Date of Government Version: 08/12/2015
Date Data Arrived at EDR: 09/04/2015
Date Made Active in Reports: 11/03/2015
Number of Days to Update: 60
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/31/2015
Next Scheduled EDR Contact: 12/14/2015
Data Release Frequency: No Update Planned

ALLSITES: Contaminated Sites Tracking Database
All the sites included in the Contaminated Sites Tracking Database. The database includes several regulatory complinace programs and actions.

Date of Government Version: 07/18/2015
Date Data Arrived at EDR: 07/20/2015
Date Made Active in Reports: 08/06/2015
Number of Days to Update: 17
Source: Department of Natural Resources
Telephone: 515-281-4171
Last EDR Contact: 10/19/2015
Next Scheduled EDR Contact: 02/01/2016
Data Release Frequency: Quarterly

DEL SHWS: Delisted Contaminated Sites Listing
A listing of sites delisted from the Contaminated Sites Listing.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 04/21/2014
Date Made Active in Reports: 05/05/2014
Number of Days to Update: 14
Source: Department of Natural Resources
Telephone: 515-281-8801
Last EDR Contact: 10/19/2015
Next Scheduled EDR Contact: 02/01/2016
Data Release Frequency: Annually

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

Date of Government Version: 08/12/2015
Date Data Arrived at EDR: 09/04/2015
Date Made Active in Reports: 11/03/2015
Number of Days to Update: 60

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/31/2015
Next Scheduled EDR Contact: 12/14/2015
Data Release Frequency: Quarterly

Local Land Records

LIENS: Liens Filed Listing
A listing of liens filed with the Iowa Comprehensive Petroleum Underground Storage Tank Fund.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 07/28/2015
Date Made Active in Reports: 08/19/2015
Number of Days to Update: 22

Source: Department of Natural Resources
Telephone: 515-281-5523
Last EDR Contact: 11/09/2015
Next Scheduled EDR Contact: 02/08/2016
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/18/2014
Date Data Arrived at EDR: 03/18/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 37

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 10/30/2015
Next Scheduled EDR Contact: 02/08/2016
Data Release Frequency: Varies

Records of Emergency Release Reports

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

Date of Government Version: 06/24/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/02/2015
Number of Days to Update: 68

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 09/29/2015
Next Scheduled EDR Contact: 01/11/2016
Data Release Frequency: Annually

SPILLS: Spills Database
Spill reporting data that is collected during the initial report of an incident.

Date of Government Version: 09/08/2015
Date Data Arrived at EDR: 09/09/2015
Date Made Active in Reports: 10/21/2015
Number of Days to Update: 42

Source: Department of Natural Resources
Telephone: 515-281-4367
Last EDR Contact: 09/09/2015
Next Scheduled EDR Contact: 12/21/2015
Data Release Frequency: Annually

SPILLS 90: SPILLS90 data from FirstSearch
Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 10/17/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/05/2013
Number of Days to Update: 61

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

Other Ascertainable Records

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

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

Date of Government Version: 06/09/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 913-551-7003
Last EDR Contact: 09/29/2015
Next Scheduled EDR Contact: 01/11/2016
Data Release Frequency: Varies

FUDS: Formerly Used Defense Sites

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

Date of Government Version: 01/31/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 09/11/2015
Next Scheduled EDR Contact: 12/21/2015
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: 10/16/2015
Next Scheduled EDR Contact: 01/25/2016
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

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

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

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 10/16/2015
Next Scheduled EDR Contact: 01/25/2016
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

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

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

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 11/19/2015
Next Scheduled EDR Contact: 02/29/2016
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

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

Date of Government Version: 09/01/2015
Date Data Arrived at EDR: 09/03/2015
Date Made Active in Reports: 11/03/2015
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 11/13/2015
Next Scheduled EDR Contact: 02/29/2016
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

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

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

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 11/10/2015
Next Scheduled EDR Contact: 02/22/2016
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

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

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

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 11/13/2015
Next Scheduled EDR Contact: 02/22/2016
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

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

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

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 09/25/2015
Next Scheduled EDR Contact: 01/04/2016
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: 12/31/2013
Date Data Arrived at EDR: 02/12/2015
Date Made Active in Reports: 06/02/2015
Number of Days to Update: 110

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/28/2015
Next Scheduled EDR Contact: 12/07/2015
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

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

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

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 10/26/2015
Next Scheduled EDR Contact: 02/08/2016
Data Release Frequency: Annually

ROD: Records Of Decision

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

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

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 09/11/2015
Next Scheduled EDR Contact: 12/21/2015
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: 08/01/2015
Date Data Arrived at EDR: 08/26/2015
Date Made Active in Reports: 11/03/2015
Number of Days to Update: 69

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 10/26/2015
Next Scheduled EDR Contact: 02/08/2016
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

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

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

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

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 10/17/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 3

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 11/13/2015
Next Scheduled EDR Contact: 02/22/2016
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

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

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 10/15/2014
Date Made Active in Reports: 11/17/2014
Number of Days to Update: 33

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 10/29/2015
Next Scheduled EDR Contact: 01/25/2016
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: 01/23/2015
Date Data Arrived at EDR: 02/06/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 10/08/2015
Next Scheduled EDR Contact: 01/25/2016
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: 11/18/2015
Next Scheduled EDR Contact: 03/07/2016
Data Release Frequency: Quarterly

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

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
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: 11/18/2015
Next Scheduled EDR Contact: 03/07/2016
Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System

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

Date of Government Version: 06/26/2015
Date Data Arrived at EDR: 07/10/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 95

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 09/03/2015
Next Scheduled EDR Contact: 12/21/2015
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: 07/13/2015
Next Scheduled EDR Contact: 10/28/2015
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

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

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 09/11/2015
Next Scheduled EDR Contact: 12/21/2015
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 10/29/2015
Next Scheduled EDR Contact: 02/08/2016
Data Release Frequency: Varies

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

Date of Government Version: 07/07/2015
Date Data Arrived at EDR: 07/09/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 69

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 10/07/2015
Next Scheduled EDR Contact: 01/18/2016
Data Release Frequency: Quarterly

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

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

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

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

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

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

DOT OPS: Incident and Accident Data
Department of Transporation, Office of Pipeline Safety Incident and Accident data.

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

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 11/07/2015
Next Scheduled EDR Contact: 02/15/2016
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CONSENT: Superfund (CERCLA) Consent Decrees

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

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 04/17/2015
Date Made Active in Reports: 06/02/2015
Number of Days to Update: 46

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 09/28/2015
Next Scheduled EDR Contact: 01/11/2016
Data Release Frequency: Varies

BRS: Biennial Reporting System

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

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

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 08/28/2015
Next Scheduled EDR Contact: 12/07/2015
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: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 10/16/2015
Next Scheduled EDR Contact: 01/25/2016
Data Release Frequency: Semi-Annually

UMTRA: Uranium Mill Tailings Sites

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

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 11/19/2015
Next Scheduled EDR Contact: 03/07/2016
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 11/25/2014
Date Data Arrived at EDR: 11/26/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 10/05/2015
Next Scheduled EDR Contact: 01/18/2016
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: 07/22/2015
Date Data Arrived at EDR: 07/24/2015
Date Made Active in Reports: 09/02/2015
Number of Days to Update: 40

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/28/2015
Next Scheduled EDR Contact: 01/11/2016
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 07/22/2015
Date Data Arrived at EDR: 07/24/2015
Date Made Active in Reports: 09/02/2015
Number of Days to Update: 40

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/28/2015
Next Scheduled EDR Contact: 01/11/2016
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: 05/14/2015
Date Data Arrived at EDR: 06/03/2015
Date Made Active in Reports: 09/02/2015
Number of Days to Update: 91

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 09/01/2015
Next Scheduled EDR Contact: 12/14/2015
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

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

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

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 09/04/2015
Next Scheduled EDR Contact: 12/14/2015
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

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

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

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 09/04/2015
Next Scheduled EDR Contact: 12/14/2015
Data Release Frequency: Varies

FINDS: Facility Index System/Facility Registry System

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

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

Source: EPA
Telephone: (913) 551-7003
Last EDR Contact: 09/09/2015
Next Scheduled EDR Contact: 12/21/2015
Data Release Frequency: Quarterly

AIRS: Minor and Title V Sources Listing
A listing of Minor and Title V sources.

Date of Government Version: 09/14/2015
Date Data Arrived at EDR: 09/14/2015
Date Made Active in Reports: 10/21/2015
Number of Days to Update: 37

Source: Department of Natural Resources
Telephone: 515-281-8468
Last EDR Contact: 09/14/2015
Next Scheduled EDR Contact: 12/28/2015
Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Site Listing
A listing of coal combustion residue landfill locations.

Date of Government Version: 09/08/2015
Date Data Arrived at EDR: 09/09/2015
Date Made Active in Reports: 10/21/2015
Number of Days to Update: 42

Source: Department of Natural Resources
Telephone: 515-281-8308
Last EDR Contact: 09/09/2015
Next Scheduled EDR Contact: 12/21/2015
Data Release Frequency: Quarterly

DRYCLEANERS: Iowa Drycleaner List
A listing of drycleaners in Iowa.

Date of Government Version: 06/10/2015
Date Data Arrived at EDR: 07/20/2015
Date Made Active in Reports: 08/06/2015
Number of Days to Update: 17

Source: Department of Natural Resources
Telephone: 515-242-5100
Last EDR Contact: 10/19/2015
Next Scheduled EDR Contact: 02/01/2016
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
A listing of financial assurance information for underground storage tank 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: 09/08/2015
Date Data Arrived at EDR: 09/17/2015
Date Made Active in Reports: 10/21/2015
Number of Days to Update: 34

Source: Department of Natural Resources
Telephone: 515-242-5086
Last EDR Contact: 09/03/2015
Next Scheduled EDR Contact: 12/21/2015
Data Release Frequency: Quarterly

Financial Assurance 2: Financial Assurance Information Listing
Information for solid 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: 09/11/2015
Date Data Arrived at EDR: 09/11/2015
Date Made Active in Reports: 10/21/2015
Number of Days to Update: 40

Source: Department of Natural Resources
Telephone: 515-242-5818
Last EDR Contact: 09/08/2015
Next Scheduled EDR Contact: 12/21/2015
Data Release Frequency: Varies

NPDES: List of NPDES Permittees
The files listed below contain information on facilities that hold NPDES permits, or those that are authorized to discharge wastewater to surface waters in Iowa.

Date of Government Version: 06/01/2015
Date Data Arrived at EDR: 08/18/2015
Date Made Active in Reports: 08/19/2015
Number of Days to Update: 1

Source: Department of Natural Resources
Telephone: 515-281-4736
Last EDR Contact: 08/18/2015
Next Scheduled EDR Contact: 11/30/2015
Data Release Frequency: Varies

TIER 2: Tier 2 Information Listing
A listing of facilities which store or manufacture hazardous materials and submit a chemical inventory report.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 03/24/2015
Date Made Active in Reports: 04/02/2015
Number of Days to Update: 9

Source: Department of Natural Resources
Telephone: 515-725-0302
Last EDR Contact: 09/21/2015
Next Scheduled EDR Contact: 01/04/2016
Data Release Frequency: 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
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

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

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

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

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

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

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List
The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Natural Resources in Iowa.

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

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

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

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/26/2013
Number of Days to Update: 178

Source: Department of 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.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013
Date Data Arrived at EDR: 08/19/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/16/2015
Next Scheduled EDR Contact: 02/29/2016
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 07/17/2015
Date Made Active in Reports: 08/12/2015
Number of Days to Update: 26

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 10/13/2015
Next Scheduled EDR Contact: 01/25/2016
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

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

Date of Government Version: 08/01/2015
Date Data Arrived at EDR: 08/06/2015
Date Made Active in Reports: 08/24/2015
Number of Days to Update: 18

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 11/08/2015
Next Scheduled EDR Contact: 02/15/2016
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 06/19/2015
Date Made Active in Reports: 07/15/2015
Number of Days to Update: 26

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 11/19/2015
Next Scheduled EDR Contact: 03/07/2016
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 03/19/2015
Date Made Active in Reports: 04/07/2015
Number of Days to Update: 19

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 09/10/2015
Next Scheduled EDR Contact: 12/28/2015
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 Facilities
Source: Department of Human Services
Telephone: 515-281-4357

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

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

State Wetlands Data: National Wetland Inventory of Iowa
Source: Department of Natural Resources
Telephone: 319-335-1575

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

SUNOPTA FACILITY
616 6TH AVENUE WEST
CRESCO, IA 52136

TARGET PROPERTY COORDINATES

Latitude (North):	43.379 - 43° 22' 44.40"
Longitude (West):	92.1263 - 92° 7' 34.68"
Universal Tranverse Mercator:	Zone 15
UTM X (Meters):	570776.8
UTM Y (Meters):	4803058.5
Elevation:	1290 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5943068 CRESCO NW, IA
Version Date:	2013
Northeast Map:	5943114 CRESCO NE, IA
Version Date:	2013
Southeast Map:	5943070 CRESCO SE, IA
Version Date:	2013
Southwest Map:	5943072 CRESCO SW, IA
Version Date:	2013

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

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

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

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

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

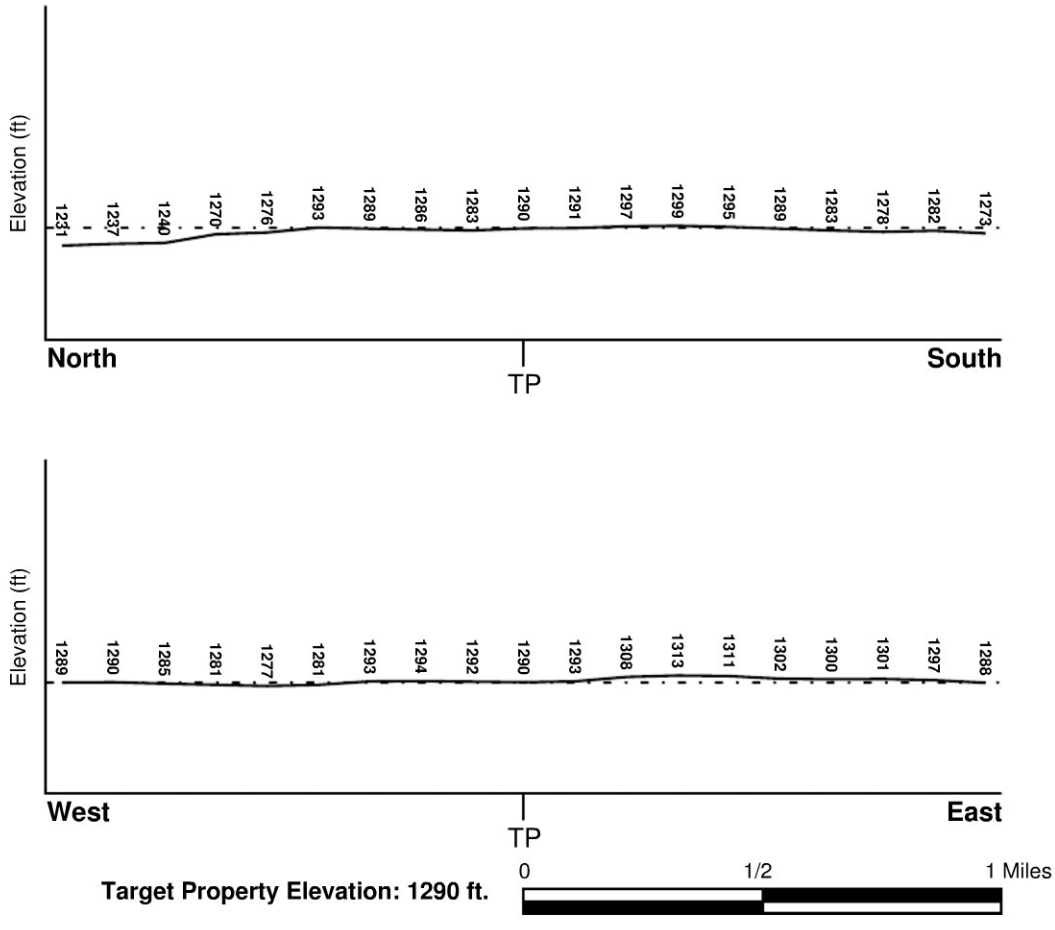
TOPOGRAPHIC INFORMATION

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

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General 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.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

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

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

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
HOWARD, IA	Not Available

Flood Plain Panel at Target Property: Not Reported

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

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

HYDROGEOLOGIC INFORMATION

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

AQUIFLOW®

Search Radius: 1.000 Mile.

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

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

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

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

ROCK STRATIGRAPHIC UNIT

Era:	Paleozoic
System:	Devonian
Series:	Middle Devonian
Code:	D2 *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

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

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:	ROCKTON
Soil Surface Texture:	loam
Hydrologic Group:	Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.
Soil Drainage Class:	Well drained. 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:	LOW
Depth to Bedrock Min:	> 20 inches
Depth to Bedrock Max:	> 40 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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	15 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 2.00 Min: 0.60	Max: 6.50 Min: 5.10
2	15 inches	26 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 2.00 Min: 0.60	Max: 6.50 Min: 5.10
3	26 inches	31 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 2.00 Min: 0.60	Max: 7.30 Min: 5.60
4	31 inches	35 inches	weathered bedrock	Not reported	Not reported	Max: 20.00 Min: 2.00	Max: 0.00 Min: 0.00

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: loamy fine sand
silt loam
sandy loam

Surficial Soil Types: loamy fine sand
silt loam
sandy loam

Shallow Soil Types: clay loam
sandy loam
silt loam

Deeper Soil Types: unweathered bedrock
flaggy - loam
fine sand
clay loam
loam

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

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

WELL SEARCH DISTANCE INFORMATION

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
D16	USGS40000322631	1/4 - 1/2 Mile ENE
K79	USGS40000322609	1/2 - 1 Mile SSE
P86	USGS40000322593	1/2 - 1 Mile SSE
151	USGS40000322608	1/2 - 1 Mile WSW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
M88	IA4515783	1/2 - 1 Mile ENE

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

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	IAPW30000035238	1/8 - 1/4 Mile SE
A2	IAPU30000183272	1/8 - 1/4 Mile SE
A3	IAPU30000183317	1/8 - 1/4 Mile SE
A4	IAPW30000029528	1/8 - 1/4 Mile SE
5	IAPU30000183371	1/8 - 1/4 Mile East
A6	IAPW30000000238	1/4 - 1/2 Mile SSE
A7	IAPU30000183248	1/4 - 1/2 Mile SSE
B8	IAPU30000183375	1/4 - 1/2 Mile ESE
B9	IAPW30000055544	1/4 - 1/2 Mile ESE
C10	IAPU30000182651	1/4 - 1/2 Mile WSW
C11	IAAD20000000077	1/4 - 1/2 Mile WSW
D12	IAPU30000183503	1/4 - 1/2 Mile ENE
D13	IAUS20000002342	1/4 - 1/2 Mile ENE
D14	IAPU30000183544	1/4 - 1/2 Mile ENE
D15	IAPU30000183509	1/4 - 1/2 Mile ENE
E17	IAPW30000030386	1/4 - 1/2 Mile SE
E18	IAPU30000183495	1/4 - 1/2 Mile SE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
E19	IAPU30000183473	1/4 - 1/2 Mile SE
E20	IAPW30000039640	1/4 - 1/2 Mile SE
F21	IAPW30000034183	1/4 - 1/2 Mile NE
F22	IAPU30000183555	1/4 - 1/2 Mile NE
23	IAPU30000182901	1/2 - 1 Mile SSW
G24	IAPW30000000553	1/2 - 1 Mile NNE
G25	IAPU30000183366	1/2 - 1 Mile NNE
26	IAPW30000103563	1/2 - 1 Mile ENE
H27	IAPU30000183900	1/2 - 1 Mile East
H28	IAPW30000036982	1/2 - 1 Mile East
G29	IAPU30000183319	1/2 - 1 Mile NNE
G30	IAPR30000084472	1/2 - 1 Mile NNE
I31	IAPU30000183037	1/2 - 1 Mile South
I32	IAPW30000015791	1/2 - 1 Mile South
J33	IAPU30000183746	1/2 - 1 Mile SE
J34	IAPW30000052866	1/2 - 1 Mile SE
35	IAPW30000092406	1/2 - 1 Mile ESE
J36	IAPU30000183752	1/2 - 1 Mile SE
K37	IAPU30000183671	1/2 - 1 Mile SE
K38	IAPU30000183652	1/2 - 1 Mile SE
K39	IAPU30000183635	1/2 - 1 Mile SE
K40	IAPU30000183634	1/2 - 1 Mile SE
K41	IAPU30000183636	1/2 - 1 Mile SE
K42	IAPU30000183658	1/2 - 1 Mile SE
K43	IAPU30000183650	1/2 - 1 Mile SE
K44	IAPU30000183666	1/2 - 1 Mile SE
K45	IAPU30000183647	1/2 - 1 Mile SE
J46	IAPU30000183790	1/2 - 1 Mile SE
L47	IAPU30000183235	1/2 - 1 Mile NNE
K48	IAPU30000183694	1/2 - 1 Mile SE
K49	IAPU30000183654	1/2 - 1 Mile SE
J50	IAPU30000183794	1/2 - 1 Mile SE
K51	IAPU30000183648	1/2 - 1 Mile SE
K52	IAPU30000183668	1/2 - 1 Mile SE
K53	IAPU30000183641	1/2 - 1 Mile SE
K54	IAPU30000183653	1/2 - 1 Mile SE
K55	IAPU30000183640	1/2 - 1 Mile SE
L56	IAPU30000183234	1/2 - 1 Mile NNE
L57	IAPU30000183264	1/2 - 1 Mile NNE
L58	IAPR30000014496	1/2 - 1 Mile NNE
L59	IAPR30000006849	1/2 - 1 Mile NNE
L60	IAPR30000053652	1/2 - 1 Mile NNE
L61	IAPR30000046341	1/2 - 1 Mile NNE
K62	IAPU30000183681	1/2 - 1 Mile SE
K63	IAPU30000183676	1/2 - 1 Mile SE
K64	IAPU30000183656	1/2 - 1 Mile SE
L65	IAPU30000183227	1/2 - 1 Mile NNE
M66	IAPU30000183907	1/2 - 1 Mile ENE
M67	IAPW30000022729	1/2 - 1 Mile ENE
K68	IAPU30000183686	1/2 - 1 Mile SE
K69	IAPU30000183672	1/2 - 1 Mile SE
K70	IAPU30000183575	1/2 - 1 Mile SSE

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
K71	IAUS20000003515	1/2 - 1 Mile SSE
K72	IAUS20000000480	1/2 - 1 Mile SSE
K73	IAPU30000183579	1/2 - 1 Mile SSE
K74	IAPU30000183611	1/2 - 1 Mile SSE
K75	IAPU30000183590	1/2 - 1 Mile SSE
K76	IAPU30000183591	1/2 - 1 Mile SSE
K77	IAPU30000183605	1/2 - 1 Mile SSE
K78	IAPU30000183601	1/2 - 1 Mile SSE
N80	IAPW30000026872	1/2 - 1 Mile ENE
N81	IAPU30000183806	1/2 - 1 Mile ENE
O82	IAPU30000183437	1/2 - 1 Mile SSE
O83	IAPW30000062260	1/2 - 1 Mile SSE
K84	IAPU30000183698	1/2 - 1 Mile SE
K85	IAPW30000045125	1/2 - 1 Mile SE
87	IAPU30000183928	1/2 - 1 Mile ESE
P89	IAPW30000086367	1/2 - 1 Mile SSE
Q90	IAPR30000006855	1/2 - 1 Mile WNW
Q91	IAPR30000053553	1/2 - 1 Mile WNW
Q92	IAPR30000053555	1/2 - 1 Mile WNW
Q93	IAPU30000182000	1/2 - 1 Mile WNW
Q94	IAPU30000181992	1/2 - 1 Mile WNW
Q95	IAPU30000182020	1/2 - 1 Mile WNW
96	IAPU30000184007	1/2 - 1 Mile ESE
R97	IAPW30000000787	1/2 - 1 Mile WNW
R98	IAPU30000181858	1/2 - 1 Mile WNW
S99	IAPW30000028894	1/2 - 1 Mile NE
S100	IAPU30000183800	1/2 - 1 Mile NE
T101	IAPU30000182140	1/2 - 1 Mile SW
T102	IAPU30000182113	1/2 - 1 Mile SW
T103	IAPU30000182135	1/2 - 1 Mile SW
T104	IAPU30000182141	1/2 - 1 Mile SW
T105	IAPU30000182105	1/2 - 1 Mile SW
T106	IAPR30000006979	1/2 - 1 Mile SW
T107	IAPR30000006978	1/2 - 1 Mile SW
T108	IAPR30000006977	1/2 - 1 Mile SW
T109	IAPR30000032865	1/2 - 1 Mile SW
T110	IAPR30000032871	1/2 - 1 Mile SW
T111	IAPR30000032868	1/2 - 1 Mile SW
T112	IAPR30000032867	1/2 - 1 Mile SW
T113	IAPU30000182146	1/2 - 1 Mile SW
T114	IAPU30000182123	1/2 - 1 Mile SW
U115	IAPW30000060019	1/2 - 1 Mile SSE
U116	IAPU30000183360	1/2 - 1 Mile SSE
V117	IAPU30000183534	1/2 - 1 Mile SSE
V118	IAPW30000057479	1/2 - 1 Mile SSE
119	IAPU30000182613	1/2 - 1 Mile SSW
120	IAPU30000184188	1/2 - 1 Mile East
121	IAPU30000182931	1/2 - 1 Mile South
W122	IAPU30000183913	1/2 - 1 Mile NE
W123	IAPW30000056862	1/2 - 1 Mile NE
X124	IAPU30000181785	1/2 - 1 Mile WSW
X125	IAPW30000000986	1/2 - 1 Mile WSW

STATE DATABASE WELL INFORMATION

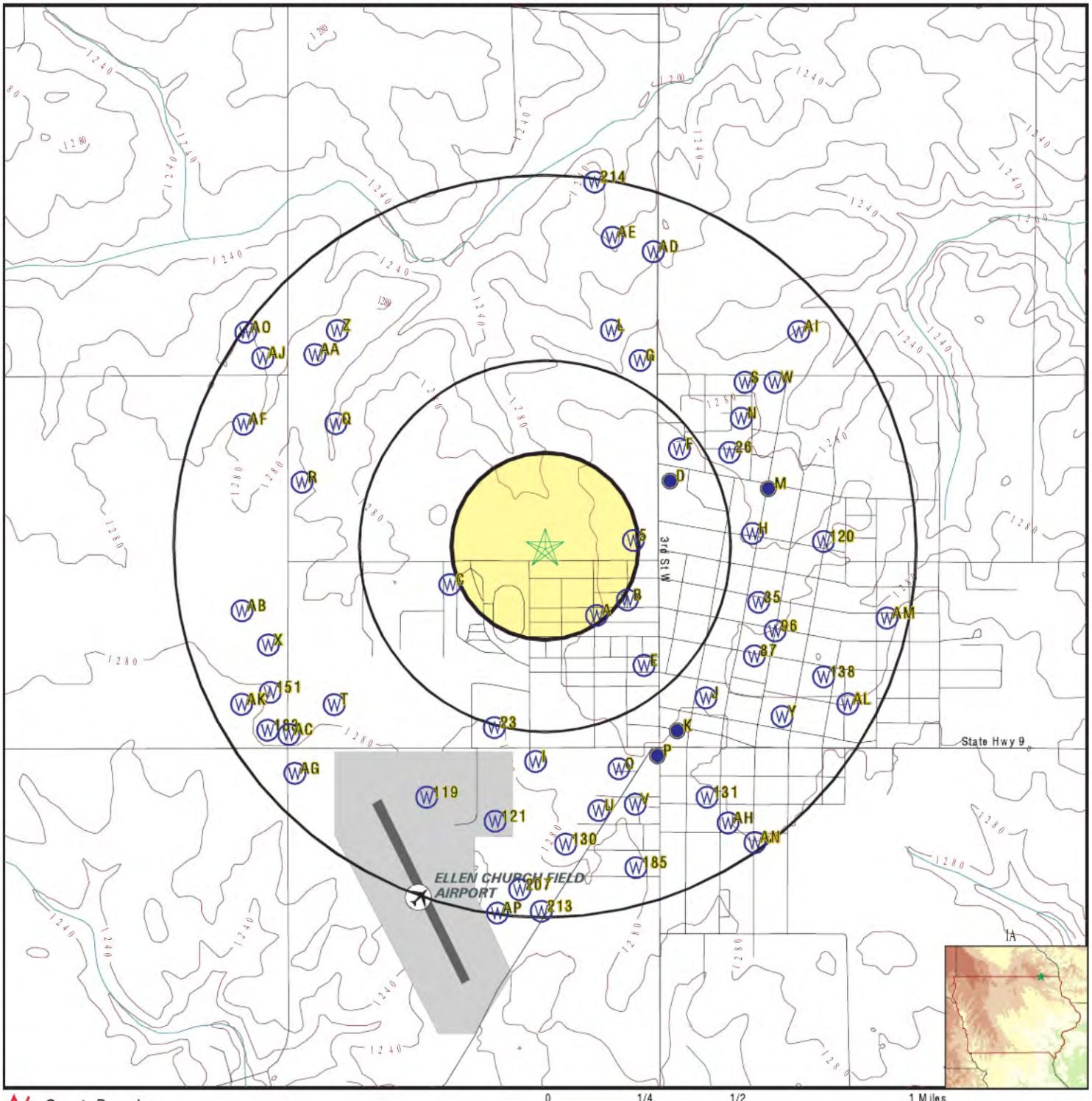
MAP ID	WELL ID	LOCATION FROM TP
Y126	IAPU30000184070	1/2 - 1 Mile SE
Y127	IAPW30000089780	1/2 - 1 Mile SE
Z128	IAPU30000181965	1/2 - 1 Mile NW
AA129	IAPU30000181856	1/2 - 1 Mile NW
130	IAPU30000183255	1/2 - 1 Mile South
131	IAPU30000183819	1/2 - 1 Mile SSE
Z132	IAPR30000007017	1/2 - 1 Mile NW
Z133	IAPR30000024900	1/2 - 1 Mile NW
Z134	IAPU30000181971	1/2 - 1 Mile NW
AA135	IAPU30000181867	1/2 - 1 Mile NW
X136	IAPW30000000762	1/2 - 1 Mile WSW
X137	IAPU30000181729	1/2 - 1 Mile WSW
138	IAPU30000184236	1/2 - 1 Mile ESE
AB139	IAPU30000181638	1/2 - 1 Mile WSW
AB140	IAPU30000181594	1/2 - 1 Mile WSW
AB141	IAPU30000181617	1/2 - 1 Mile WSW
AB142	IAPR30000024904	1/2 - 1 Mile WSW
AB143	IAPR30000006841	1/2 - 1 Mile WSW
AB144	IAPR30000006840	1/2 - 1 Mile WSW
AB145	IAPR30000054875	1/2 - 1 Mile WSW
AB146	IAPR30000054738	1/2 - 1 Mile WSW
AB147	IAPR30000054436	1/2 - 1 Mile WSW
AB148	IAPU30000181621	1/2 - 1 Mile WSW
AB149	IAPU30000181587	1/2 - 1 Mile WSW
AB150	IAPU30000181633	1/2 - 1 Mile WSW
AC152	IAPW30000031341	1/2 - 1 Mile SW
AC153	IAPU30000181938	1/2 - 1 Mile SW
AD154	IAPU30000183364	1/2 - 1 Mile NNE
AD155	IAPW30000001399	1/2 - 1 Mile NNE
AE156	IAPU30000183185	1/2 - 1 Mile NNE
AE157	IAPU30000183223	1/2 - 1 Mile NNE
AE158	IAPR30000006997	1/2 - 1 Mile NNE
AE159	IAPR30000006998	1/2 - 1 Mile NNE
AE160	IAPR30000038695	1/2 - 1 Mile NNE
AE161	IAPU30000183191	1/2 - 1 Mile NNE
AF162	IAPU30000181539	1/2 - 1 Mile WNW
AC163	IAPU30000181836	1/2 - 1 Mile SW
AC164	IAPW30000067231	1/2 - 1 Mile SW
AF165	IAPU30000181523	1/2 - 1 Mile WNW
AF166	IAPU30000181512	1/2 - 1 Mile WNW
AF167	IAPR30000009329	1/2 - 1 Mile WNW
AF168	IAPR30000007012	1/2 - 1 Mile WNW
AF169	IAPR30000007011	1/2 - 1 Mile WNW
AF170	IAPR30000009356	1/2 - 1 Mile WNW
AF171	IAPR30000054732	1/2 - 1 Mile WNW
AF172	IAPR30000049068	1/2 - 1 Mile WNW
AF173	IAPR30000032881	1/2 - 1 Mile WNW
AF174	IAPU30000181552	1/2 - 1 Mile WNW
AF175	IAPU30000181549	1/2 - 1 Mile WNW
AF176	IAPU30000181537	1/2 - 1 Mile WNW
AF177	IAPU30000181543	1/2 - 1 Mile WNW
AG178	IAPW30000052994	1/2 - 1 Mile SW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
AG179	IAPU30000182001	1/2 - 1 Mile SW
AH180	IAPW30000005292	1/2 - 1 Mile SSE
AI181	IAPU30000184003	1/2 - 1 Mile NE
AH182	IAPU30000183904	1/2 - 1 Mile SSE
183	IAPU30000181780	1/2 - 1 Mile WSW
AI184	IAPR30000026430	1/2 - 1 Mile NE
185	IAPU30000183548	1/2 - 1 Mile SSE
AJ186	IAPU30000181632	1/2 - 1 Mile NW
AJ187	IAPU30000181611	1/2 - 1 Mile NW
AJ188	IAPR30000082369	1/2 - 1 Mile NW
AK189	IAPU30000181669	1/2 - 1 Mile WSW
AL190	IAPW30000033611	1/2 - 1 Mile ESE
AL191	IAPU30000184352	1/2 - 1 Mile ESE
AG192	IAPU30000181930	1/2 - 1 Mile SW
AG193	IAPW30000052318	1/2 - 1 Mile SW
AL194	IAPU30000184339	1/2 - 1 Mile ESE
AL195	IAPW30000046277	1/2 - 1 Mile ESE
AK196	IAPU30000181672	1/2 - 1 Mile WSW
AJ197	IAPW30000000813	1/2 - 1 Mile WNW
AJ198	IAPU30000181557	1/2 - 1 Mile WNW
AG199	IAPU30000181928	1/2 - 1 Mile SW
AG200	IAPW30000052864	1/2 - 1 Mile SW
AK201	IAPR30000026419	1/2 - 1 Mile WSW
AK202	IAPR30000053837	1/2 - 1 Mile WSW
AK203	IAPR30000061640	1/2 - 1 Mile WSW
AK204	IAPU30000181663	1/2 - 1 Mile WSW
AM205	IAPU30000184427	1/2 - 1 Mile ESE
AM206	IAPW30000012535	1/2 - 1 Mile ESE
207	IAPU30000183049	1/2 - 1 Mile South
AM208	IAPU30000184484	1/2 - 1 Mile East
AM209	IAPW30000000206	1/2 - 1 Mile East
AN210	IAPU30000184024	1/2 - 1 Mile SE
AN211	IAPU30000184035	1/2 - 1 Mile SE
AN212	IAPU30000184009	1/2 - 1 Mile SE
213	IAPU30000183156	1/2 - 1 Mile South
214	IAPU30000183065	1/2 - 1 Mile North
AO215	IAPU30000181525	1/2 - 1 Mile NW
AO216	IAPU30000181487	1/2 - 1 Mile NW
AP217	IAPU30000182974	1/2 - 1 Mile South
AP218	IAPR30000046251	1/2 - 1 Mile South

PHYSICAL SETTING SOURCE MAP - 4473002.2s



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

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

SITE NAME:	Sunopta Facility	CLIENT:	Property Solutions, Inc.
ADDRESS:	616 6th Avenue West Cresco IA 52136	CONTACT:	Brian Gallagher
		INQUIRY #:	4473002.2s
LAT/LONG:	43.379 / 92.1263	DATE:	November 20, 2015 10:51 am

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
A1 **SE** **1/8 - 1/4 Mile** **Higher**	**IA WELLS**	**IAPW30000035238**

Objectid:	35238	Iwellid:	2123970
Wellnmbr:	2110162	Pmtnmbr:	Not Reported
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	22		
Qqqqq:	SW, NE, SE, NE, NW		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	40		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.3764		
Longitude:	-92.1239		
Dte done:	01-JAN-01		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	McCarville, Linda		
Cnstr mthd:	Unknown		
Fm rmk:	Not Reported		
Well use:	Household		
Status:	Plugged		
Ht pmp no:	0		
Permit:	Not Reported	Plugging:	X
Renovate:	Not Reported	Test:	Not Reported
Xcoord:	570972.192705		
Ycoord:	4802987.43025		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	0
Has constr:	0		
Wnumber:	0		
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2110162&reportName=WellPrintout		
Site id:	IAPW30000035238		

A2 **SE** **1/8 - 1/4 Mile** **Higher**		**IA WELLS**	**IAPU30000183272**
Mapid:	183272	Wellid:	2110162
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 22, SW, NE, SE, NE, NW
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	40	C p date:	01/01/1901
Owner name:	McCarville, Linda		
Other info:	Status: Plugged; Well use: Household		
Xcoord:	570972.192705		
Ycoord:	4802987.43025		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2110162&reportName=WellPrintout		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Site id: IAPU30000183272

A3
SE
1/8 - 1/4 Mile
Higher

IA WELLS **IAPU30000183317**

Mapid:	183317	Wellid:	2104821
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 22, SW, NE, NW, SW, SW
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	43	C p date:	01/01/1901
Owner name:	Bakken, Durwin		
Other info:	Status: Plugged; Well use: Household		
Xcoord:	571060.719359		
Ycoord:	4803043.89491		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2104821&reportName=WellPrintout		
Site id:	IAPU30000183317		

A4
SE
1/8 - 1/4 Mile
Higher

IA WELLS **IAPW30000029528**

Objectid:	29528	Iwellid:	2116374
Wellnmbr:	2104821	Pmtnmbr:	Not Reported
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	22		
Qqqqq:	SW, NE, NW, SW, SW		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	43		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.3769		
Longitude:	-92.1228		
Dte done:	01-JAN-01		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	Bakken, Durwin		
Cnstr mthd:	Unknown		
Fm rmk:	Not Reported		
Well use:	Household		
Status:	Plugged		
Ht pmp no:	0		
Permit:	Not Reported	Plugging:	X
Renovate:	Not Reported	Test:	Not Reported
Xcoord:	571060.719359		
Ycoord:	4803043.89491		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	0

Has constr:	0
Wnumber:	0
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2104821&reportName=WellPrintout
Site id:	IAPW30000029528

5
East
1/8 - 1/4 Mile
Higher

IA WELLS **IAPU30000183371**

Mapid:	183371	Wellid:	27937
Id src fld:	recordno	Datasrc:	PVTP
Well type:	Permitted private wells	Location:	T. 99 N., R. 11 W., Sec. 22, NE, SE, SE
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	unkn	C p date:	10/18/2000
Owner name:	Andera		
Other info:	Primary use:		
Xcoord:	571157.94		
Ycoord:	4803303		
Hlink:	Not Reported		
Site id:	IAPU30000183371		

A6
SSE
1/4 - 1/2 Mile
Higher

IA WELLS **IAPW30000000238**

Objectid:	238	Iwellid:	2075558
Wellnmbr:	2075353	Pmtnmbr:	Not Reported
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	22		
Qqqqq:	SW, NE, SE, NE, SE		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	12		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.3756		
Longitude:	-92.1239		
Dte done:	11-DEC-01		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	Saltou, Chuck		
Cnstr mthd:	Unknown		
Fm rmk:	Not Reported		
Well use:	Household		
Status:	Plugged		
Ht pmp no:	0		
Permit:	Not Reported	Plugging:	X
Renovate:	Not Reported	Test:	Not Reported
Xcoord:	570973.125784		
Ycoord:	4802898.58514		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	0

Has constr:	0
Wnumber:	0
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2075353&reportName=WellPrintout
Site id:	IAPW30000000238

A7
SSE **IA WELLS** **IAPU30000183248**
1/4 - 1/2 Mile
Higher

Mapid:	183248	Wellid:	2075353
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 22, SW, NE, SE, NE, SE
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	12	C p date:	12/11/2001
Owner name:	Saltou, Chuck		
Other info:	Status: Plugged; Well use: Household		
Xcoord:	570973.125784		
Ycoord:	4802898.58514		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2075353&reportName=WellPrintout		
Site id:	IAPU30000183248		

B8
ESE **IA WELLS** **IAPU30000183375**
1/4 - 1/2 Mile
Higher

Mapid:	183375	Wellid:	2138551
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 22, NE, SW, SW, SE, NE
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	28	C p date:	01/01/1901
Owner name:	Munkel, Herold		
Other info:	Status: Plugged; Well use: Household		
Xcoord:	571134.271972		
Ycoord:	4803045.00197		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2138551&reportName=WellPrintout		
Site id:	IAPU30000183375		

B9
ESE **IA WELLS** **IAPW30000055544**
1/4 - 1/2 Mile
Higher

Objectid:	55544	Iwellid:	2169188
Wellnmbr:	2138551	Pmtnmbr:	Not Reported
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	22		
Qqqqq:	NE, SW, SW, SE, NE		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	28		

Br depth:	0		
Wtr depth:	0		
Latitude:	43.376903		
Longitude:	-92.121892		
Dte done:	01-JAN-01		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	Munkel, Herold		
Cnstr mthd:	Unknown		
Fm rmk:	Not Reported		
Well use:	Household		
Status:	Plugged		
Ht pmp no:	0		
Permit:	Not Reported	Plugging:	X
Renovate:	Not Reported	Test:	Not Reported
Xcoord:	571134.271972		
Ycoord:	4803045.00197		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	0
Has constr:	0		
Wnumber:	0		
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2138551&reportName=WellPrintout		
Site id:	IAPW30000055544		

C10
WSW
1/4 - 1/2 Mile
Higher

IA WELLS **IAPU30000182651**

Mapid:	182651	Wellid:	IAS089500001
Id src fld:	adwno	Datasrc:	ADW
Well type:	Agricultural Drainage Wells	Location:	T. 99N., R. 11W., Sec. 22, SW, NE, NE
County:	Howard	Est loc ac:	+/- 100 m.
Depth:	0	C p date:	no data
Owner name:	Donaldson Company		
Other info:	Status: Closed		
Xcoord:	570364.37		
Ycoord:	4803103.75		
Hlink:	Not Reported		
Site id:	IAPU30000182651		

C11
WSW
1/4 - 1/2 Mile
Higher

IA WELLS **IAAD20000000077**

Utm x:	570364.37		
Utm y:	4803103.75		
Log :	0	Permid:	-999
Gisid 98:	111	Idnrregno:	Not Reported
Adwno:	IAS089500001	Locno:	09911W22XX0
County:	HOWARD	Legal:	NE NE SW, Sec. 22, T99N, R11W
Sect:	22	Township:	99
Range :	11	Abc:	AAC
Loc acc:	LOW		
Loc verify:	Not Reported		

Moved:	0	Lidarcheck:	Not Reported
Class:	Not Reported	Status98:	CLOSED
Status:	CLOSED	Dateclose:	NA
Priority:	Not Reported	Sample :	Not Reported
Remarks:	Not Reported		
Remarks200:	Not Reported		
Depth:	0	Aqrisk:	Not Reported
Diameter:	Not Reported	Intakes:	Not Reported
Intakeno98:	0		
Septic:	Not Reported	Dr agree:	NA
Alt out:	Not Reported	Reviewer:	Not Reported
Received:	Not Reported	Approved:	Not Reported
Finalized:	Not Reported	Csimplmnt:	Not Reported
User :	Donaldson Company	Ufn:	Not Reported
Uln:	Donaldson Company	U add1:	111 Donaldson Court, Rt 3
U add2:	Not Reported	U city:	CRESCO
U st:	IA	U zip:	52136
U phn:	319-547-3030	Agnt:	Not Reported
Agnt add:	Not Reported	Agnt city:	Not Reported
Agnt st:	Not Reported	Agnt zip:	Not Reported
Agnt phne:	Not Reported	Cu1:	Not Reported
Cu1 add:	Not Reported		
Cu2:	Not Reported		
Cu2 add:	Not Reported		
Cu3:	Not Reported		
Cu3 add:	Not Reported		
Cu4:	Not Reported		
Cu4 add:	Not Reported		
Site id:	IAAD20000000077		

D12
ENE
1/4 - 1/2 Mile
Higher

IA WELLS **IAPU30000183503**

Mapid:	183503	Wellid:	17075
Id src fld:	Wnumber	Datasrc:	PUB
Well type:	Public wells	Location:	T. 99N., R. 11W., Sec. 23
County:	Howard	Est loc ac:	GPS
Depth:	1145	C p date:	06/21/1965
Owner name:	Cresco, City Of		
Other info:	Local name: Cresco #3; Status: Active		
Xcoord:	571308		
Ycoord:	4803561		
Hlink:	http://www.igsb.uiowa.edu/webapps/geosam/Scripts/geocard.asp?wnumber=17075		
Site id:	IAPU30000183503		

D13
ENE
1/4 - 1/2 Mile
Higher

IA WELLS **IAUS20000002342**

Maplabelna:	Cresco WS-W2884		
Legendtype:	39	Publicview:	0
Locid:	20000315343		
Stfacid:	310345203		
Progid:	1925		
Facname:	Cresco Waterworks		
Opstatus:	Drilled: No/Unknown	Pistartdat:	14-SEP-06
Subname:	W2884		
Subprogid:	7735	Subaltidnu:	Not Reported
Wellname:	Not Reported		
Wellstatus:	Not Reported		
Totaldepth:	1145		
Drilldate:	30-DEC-99	Aquifertyp:	Jordan Aquifer
Aquiferran:	Secondary	Countyname:	Howard
Fo:	1	Accuracy:	20
Colmthtxt:	GPS CODE (PSEUDO RANGE) STANDARD POSITION (SA OFF)	Heightxr:	WELL
Verifytxt:	Not Reported	Collectby:	WKTU
Coldate:	28-DEC-05		
Loccomment:	SDWISGPS, geosam, map, cir		
Congress:	4	Sthouse:	015
Stsenate:	08	Huc:	070600020303
Hyperlink:	http://programs.iowadnr.gov/wateruse/		
Lat:	43.38153		
Lon:	-92.11968		
Xcoord:	571308		
Ycoord:	4803561		
Site id:	IAUS20000002342		

D14
ENE
1/4 - 1/2 Mile
Higher

IA WELLS **IAPU30000183544**

Mapid:	183544	Wellid:	2408065
Id src fld:	tinwsf_is_number	Datasrc:	SDWI
Well type:	SDWIS well	Location:	T99N, R11W, Sec. 23, NW, SW, NW
County:	Howard	Est loc ac:	+/- 15 m.
Depth:	1145	C p date:	01/01/1965
Owner name:	Cresco Waterworks		
Other info:	Well # 3 (1965); PWSID: 4515087; Status: Active		
Xcoord:	571308		
Ycoord:	4803561		
Hlink:	https://facilityexplorer.iowadnr.gov/FacilityExplorer/SiteDetail.aspx?facID=310345203		
Site id:	IAPU30000183544		

D15
ENE
1/4 - 1/2 Mile
Higher

IA WELLS **IAPU30000183509**

Mapid:	183509	Wellid:	W2884
Id src fld:	subname	Datasrc:	WTRU
Well type:	Water Use Permit Wells	Location:	T99N, R11W, Sec. 23, NW, SW, NW
County:	Howard	Est loc ac:	+/-20
Depth:	1145	C p date:	Not Reported
Owner name:	Cresco Waterworks		
Other info:	Water Use Permit 1925; Primary use: Municipal		
Xcoord:	571308		
Ycoord:	4803561		
Hlink:	https://facilityexplorer.iowadnr.gov/FacilityExplorer/SiteDetail.aspx?facID=310345203		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Site id: IAPU30000183509

D16
ENE
1/4 - 1/2 Mile
Higher

FED USGS **USGS40000322631**

Org. Identifier:	USGS-IA		
Formal name:	USGS Iowa Water Science Center		
Monloc Identifier:	USGS-432257092065701		
Monloc name:	099N11W23BCBB 17075 1965Cresco 3		
Monloc type:	Well		
Monloc desc:	4515087-02		
Huc code:	07060002	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	43.3816345
Longitude:	-92.1193326	Sourcemap scale:	24000
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	1313
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Cambrian-Ordovician aquifer system		
Formation type:	Trempealeau Group		
Aquifer type:	Confined multiple aquifer		
Construction date:	19650621	Welldepth:	1145
Welldepth units:	ft	Wellholedepth:	1145
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1965-06-21	331.50	

E17
SE
1/4 - 1/2 Mile
Higher

IA WELLS **IAPW30000030386**

Objectid:	30386	Iwellid:	2117569
Wellnmbr:	2105622	Pmtnmbr:	18432
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	22		
Qqqqq:	SW, SW, NE, NE, NW		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	125		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.3744		
Longitude:	-92.121		
Dte done:	15-NOV-04		
Cty num:	45		
County:	Howard		
Drlr name:	Enviro-Tec Inc.		
Owner name:	Dietzenbach, Jim		
Cnstr mthd:	Auger, Bored or Bucket		

Fm rmk:	Not Reported		
Well use:	Heat pump		
Status:	Active		
Ht pmp no:	6		
Permit:	X	Plugging:	Not Reported
Renovate:	Not Reported	Test:	Not Reported
Xcoord:	571209.460962		
Ycoord:	4802767.78888		
Horiz acc:	Not Reported	Has litho:	1
Has prod:	0	Has wq:	0
Has constr:	0		
Wnumber:	0		
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2105622&reportName=WellPrintout		
Site id:	IAPW30000030386		

E18
SE
1/4 - 1/2 Mile
Higher

IA WELLS **IAPU30000183495**

Mapid:	183495	Wellid:	2105622
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 22, SW, SW, NE, NE, NW
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	125	C p date:	11/15/2004
Owner name:	Dietzenbach, Jim		
Other info:	Status: Active; Well use: Heat pump		
Xcoord:	571209.460962		
Ycoord:	4802767.78888		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2105622&reportName=WellPrintout		
Site id:	IAPU30000183495		

E19
SE
1/4 - 1/2 Mile
Higher

IA WELLS **IAPU30000183473**

Mapid:	183473	Wellid:	2115877
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 22, SW, SW, NE, NE, NW
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	0	C p date:	Not Reported
Owner name:	Dietzenbach, Jim		
Other info:	Status: Retired; Well use: Heat pump		
Xcoord:	571209.577979		
Ycoord:	4802756.68324		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2115877&reportName=WellPrintout		
Site id:	IAPU30000183473		

E20
SE
1/4 - 1/2 Mile
Higher

IA WELLS **IAPW30000039640**

Objectid:	39640	Iwellid:	2132133
Wellnmbr:	2115877	Pmtnmbr:	21703
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	22		
Qqqqq:	SW, SW, NE, NE, NW		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	0		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.3743		
Longitude:	-92.121		
Dte done:	30-DEC-99		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	Dietzenbach, Jim		
Cnstr mthd:	Not Reported		
Fm rmk:	Not Reported		
Well use:	Heat pump		
Status:	Retired		
Ht pmp no:	5		
Permit:	X	Plugging:	Not Reported
Renovate:	Not Reported	Test:	Not Reported
Xcoord:	571209.577979		
Ycoord:	4802756.68324		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	0
Has constr:	0		
Wnumber:	0		
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2115877&reportName=WellPrintout		
Site id:	IAPW30000039640		

F21
NE
1/4 - 1/2 Mile
Higher

IA WELLS **IAPW30000034183**

Objectid:	34183	Iwellid:	2122098
Wellnmbr:	2108768	Pmtnmbr:	Not Reported
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	23		
Qqqqq:	NW, NW, SE, SE, NE		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	45		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.3828		
Longitude:	-92.1191		
Dte done:	01-JAN-01		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	Fenske, Don		
Cnstr mthd:	Unknown		

Fm rmk:	Not Reported		
Well use:	Household		
Status:	Plugged		
Ht pmp no:	0		
Permit:	Not Reported	Plugging:	X
Renovate:	Not Reported	Test:	Not Reported
Xcoord:	571353.532793		
Ycoord:	4803702.2866		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	0
Has constr:	0		
Wnumber:	0		
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2108768&reportName=WellPrintout		
Site id:	IAPW30000034183		

F22
NE
1/4 - 1/2 Mile
Higher

IA WELLS **IAPU30000183555**

Mapid:	183555	Wellid:	2108768
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 23, NW, NW, SE, SE, NE
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	45	C p date:	01/01/1901
Owner name:	Fenske, Don		
Other info:	Status: Plugged; Well use: Household		
Xcoord:	571353.532793		
Ycoord:	4803702.2866		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2108768&reportName=WellPrintout		
Site id:	IAPU30000183555		

23
SSW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000182901**

Mapid:	182901	Wellid:	12690
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 22, SE, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	57	C p date:	n.a.
Owner name:	Hormel, George		
Other info:	Well plugged: 11/8/1991; Well type: < 18" dia.		
Xcoord:	570563.69		
Ycoord:	4802486		
Hlink:	Not Reported		
Site id:	IAPU30000182901		

G24
NNE
1/2 - 1 Mile
Lower

IA WELLS **IAPW30000000553**

Objectid:	553	Iwellid:	2076519
Wellnmbr:	2075975	Pmtnmbr:	Not Reported
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	15		
Qqqqq:	SW, SW, SW, SW, NE		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	382		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.386		
Longitude:	-92.1209		
Dte done:	01-JAN-80		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	Alden, Viola		
Cnstr mthd:	Rotary Drill		
Fm rmk:	Not Reported		
Well use:	Household		
Status:	Active		
Ht pmp no:	0		
Permit:	Not Reported	Plugging:	Not Reported
Renovate:	Not Reported	Test:	X
Xcoord:	571203.98515		
Ycoord:	4804056.12929		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	1
Has constr:	0		
Wnumber:	0		
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2075975&reportName=WellPrintout		
Site id:	IAPW30000000553		

G25
NNE
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000183366**

Mapid:	183366	Wellid:	2075975
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 15, SW, SW, SW, SW, NE
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	382	C p date:	01/01/1980
Owner name:	Alden, Viola		
Other info:	Status: Active; Well use: Household		
Xcoord:	571203.98515		
Ycoord:	4804056.12929		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2075975&reportName=WellPrintout		
Site id:	IAPU30000183366		

26
ENE
1/2 - 1 Mile
Higher

IA WELLS **IAPW30000103563**

Objectid:	103563	Iwellid:	2255805
Wellnmbr:	2177039	Pmtnmbr:	42193
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	23		
Qqqqq:	NW, NW, NE, SE, NE		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	300		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.3826675415		
Longitude:	-92.1164245605		
Dte done:	24-AUG-14		
Cty num:	45		
County:	Howard		
Drlr name:	Geothermal Eco Options Inc.		
Owner name:	Wherry, Keith		
Cnstr mthd:	Not Reported		
Fm rmk:	Not Reported		
Well use:	Heat pump		
Status:	Active Log		
Ht pmp no:	4		
Permit:	X	Plugging:	Not Reported
Renovate:	Not Reported	Test:	Not Reported
Xcoord:	571570.402103		
Ycoord:	4803689.8685		
Horiz acc:	Not Reported	Has litho:	1
Has prod:	0	Has wq:	0
Has constr:	0		
Wnumber:	0		
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2177039&reportName=WellPrintout		
Site id:	IAPW30000103563		

H27
East
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183900**

Mapid:	183900	Wellid:	2113089
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 23, NW, SE, SW, NE, SW
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	62	C p date:	01/01/1901
Owner name:	Wilson, John		
Other info:	Status: Plugged; Well use: Household		
Xcoord:	571673.324604		
Ycoord:	4803339.14387		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2113089&reportName=WellPrintout		
Site id:	IAPU30000183900		

H28
East
1/2 - 1 Mile
Higher

IA WELLS **IAPW30000036982**

Objectid:	36982	Iwellid:	2127939
Wellnmbr:	2113089	Pmtnmbr:	Not Reported
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	23		
Qqqqq:	NW, SE, SW, NE, SW		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	62		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.3795		
Longitude:	-92.1152		
Dte done:	01-JAN-01		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	Wilson, John		
Cnstr mthd:	Unknown		
Fm rmk:	Not Reported		
Well use:	Household		
Status:	Plugged		
Ht pmp no:	0		
Permit:	Not Reported	Plugging:	X
Renovate:	Not Reported	Test:	Not Reported
Xcoord:	571673.324604		
Ycoord:	4803339.14387		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	0
Has constr:	0		
Wnumber:	0		
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2113089&reportName=WellPrintout		
Site id:	IAPW30000036982		

G29
NNE
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000183319**

Mapid:	183319	Wellid:	84472
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 15, SE, SE, SE
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	382	C p date:	1980
Owner name:	Alden, Viola		
Other info:	Drilling method: Drilled; Known well depth		
Xcoord:	571154.38		
Ycoord:	4804110.5		
Hlink:	Not Reported		
Site id:	IAPU30000183319		

G30
NNE
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000084472**

Recordno:	84472	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	15
Qqqqq:	SE SE SE	Q abc:	DDD
Checked:	mwillia 08/22/01 11:32:04	Ownerfirst:	VIOLA
Ownerlast:	ALDEN	Owneraddr:	8979 WILLOW AVE
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	Not Reported
County:	45	Legal:	SESESE15 9911W
Depth:	382	Dpth rel:	K
Permit:	Not Reported	Sampldte:	25-JUN-01
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	Not Reported		
Anal dte:	30-DEC-99	Smplsrce:	KITCHEN FAUCET
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	0
Bctcolml:	0	Bact s u:	U
No3r:	Not Reported	No3:	1
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	Not Reported
Case mat:	STEEL	Cs mt rel:	Not Reported
Case diam:	5	Csdia rel:	K
Year cons:	1980	Yr rel:	K
Agentfirst:	Not Reported	Agentlast:	Not Reported
Created:	jswan 08/09/01 15:13:09	Updated:	mwillia 08/22/01 11:32:04
Flag:	YYNNYYNNNNNNNNNNNNN		
Utm x:	571167.75		
Utm y:	4803902		
Site id:	IAPR30000084472		

I31
South
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000183037**

Mapid:	183037	Wellid:	2087540
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 27, NE, NW, NE, NW, NE
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	0	C p date:	Not Reported
Owner name:	Fisk, Kirk		
Other info:	Status: Retired; Well use: Heat pump		
Xcoord:	570744.006962		
Ycoord:	4802340.8403		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2087540&reportName=WellPrintout		
Site id:	IAPU30000183037		

I32
South
1/2 - 1 Mile
Lower

IA WELLS **IAPW30000015791**

Objectid:	15791	Iwellid:	2092448
Wellnmbr:	2087540	Pmtnmbr:	13081
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	27		
Qqqqq:	NE, NW, NE, NW, NE		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	0		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.3706		
Longitude:	-92.1268		
Dte done:	30-DEC-99		
Cty num:	45		
County:	Howard		
Drlr name:	Enviro-Tec Inc.		
Owner name:	Fisk, Kirk		
Cnstr mthd:	Not Reported		
Fm rmk:	Not Reported		
Well use:	Heat pump		
Status:	Retired		
Ht pmp no:	1		
Permit:	X	Plugging:	Not Reported
Renovate:	Not Reported	Test:	Not Reported
Xcoord:	570744.006962		
Ycoord:	4802340.8403		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	0
Has constr:	0		
Wnumber:	0		
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2087540&reportName=WellPrintout		
Site id:	IAPW30000015791		

J33
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183746**

Mapid:	183746	Wellid:	2135024
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 23, SE, NW, SE, SW, SW
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	100	C p date:	01/01/1901
Owner name:	Not Reported		
Other info:	Status: Inactive; Well use: Household		
Xcoord:	571473.205645		
Ycoord:	4802650.95197		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2135024&reportName=WellPrintout		
Site id:	IAPU30000183746		

J34
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPW30000052866**

Objectid:	52866	Iwellid:	2161984
Wellnmbr:	2135024	Pmtnmbr:	Not Reported
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	23		
Qqqqq:	SE, NW, SE, SW, SW		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	100		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.373323		
Longitude:	-92.11776		
Dte done:	01-JAN-01		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	Not Reported		
Cnstr mthd:	Unknown		
Fm rmk:	Not Reported		
Well use:	Household		
Status:	Inactive		
Ht pmp no:	0		
Permit:	Not Reported	Plugging:	X
Renovate:	Not Reported	Test:	Not Reported
Xcoord:	571473.205645		
Ycoord:	4802650.95197		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	0
Has constr:	0		
Wnumber:	0		
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2135024&reportName=WellPrintout		
Site id:	IAPW30000052866		

35
ESE
1/2 - 1 Mile
Higher

IA WELLS **IAPW30000092406**

Objectid:	92406	Iwellid:	2206931
Wellnmbr:	2155253	Pmtnmbr:	Not Reported
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	23		
Qqqqq:	NW, SW, SE, SE, SE		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	25		
Br depth:	0		
Wtr depth:	21		
Latitude:	43.376813		
Longitude:	-92.11487		
Dte done:	01-JAN-01		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	Krueger, Mike		
Cnstr mthd:	Unknown		

Fm rmk:	Not Reported		
Well use:	Household		
Status:	Inactive		
Ht pmp no:	0		
Permit:	Not Reported	Plugging:	X
Renovate:	Not Reported	Test:	Not Reported
Xcoord:	571703.222828		
Ycoord:	4803041.01881		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	0
Has constr:	0		
Wnumber:	0		
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2155253&reportName=WellPrintout		
Site id:	IAPW30000092406		

J36
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183752**

Mapid:	183752	Wellid:	13383
Id src fld:	recordno	Datasrc:	PVTP
Well type:	Permitted private wells	Location:	T. 99 N., R. 11 W., Sec. 23, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	25	C p date:	6/07/1989
Owner name:	Unkn		
Other info:	Primary use: Monitoring/observation		
Xcoord:	571473.94		
Ycoord:	4802605		
Hlink:	Not Reported		
Site id:	IAPU30000183752		

K37
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183671**

Mapid:	183671	Wellid:	39704
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 23, SW, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	10	C p date:	n.a.
Owner name:	KeRR McGee Refining Corp		
Other info:	Well plugged: 12/16/1999; Well type: < 18" dia.		
Xcoord:	571374.25		
Ycoord:	4802512		
Hlink:	Not Reported		
Site id:	IAPU30000183671		

K38
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183652**

Mapid:	183652	Wellid:	1485
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 23, SW, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	19	C p date:	n.a.
Owner name:	Treloar, Lugean		
Other info:	Well plugged: 11/12/1989; Well type: < 18" dia.		
Xcoord:	571376.25		
Ycoord:	4802511		
Hlink:	Not Reported		
Site id:	IAPU30000183652		

K39
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183635**

Mapid:	183635	Wellid:	39695
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 23, SW, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	33	C p date:	n.a.
Owner name:	KeRR McGee Refining Corp		
Other info:	Well plugged: 12/16/1999; Well type: < 18" dia.		
Xcoord:	571379.25		
Ycoord:	4802513		
Hlink:	Not Reported		
Site id:	IAPU30000183635		

K40
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183634**

Mapid:	183634	Wellid:	39694
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 23, SW, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	13	C p date:	n.a.
Owner name:	KeRR McGee Refining Corp		
Other info:	Well plugged: 12/16/1999; Well type: < 18" dia.		
Xcoord:	571377.25		
Ycoord:	4802511		
Hlink:	Not Reported		
Site id:	IAPU30000183634		

K41
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183636**

Mapid:	183636	Wellid:	39696
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 23, SW, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	15	C p date:	n.a.
Owner name:	KeRR McGee Refining Corp		
Other info:	Well plugged: 12/16/1999; Well type: < 18" dia.		
Xcoord:	571378.25		
Ycoord:	4802511		
Hlink:	Not Reported		
Site id:	IAPU30000183636		

K42
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183658**

Mapid:	183658	Wellid:	39455
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 23, SW, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	10	C p date:	n.a.
Owner name:	KeRR McGee Refining Corp		
Other info:	Well plugged: 12/16/1999; Well type: < 18" dia.		
Xcoord:	571380.25		
Ycoord:	4802512		
Hlink:	Not Reported		
Site id:	IAPU30000183658		

K43
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183650**

Mapid:	183650	Wellid:	39700
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 23, SW, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	15	C p date:	n.a.
Owner name:	KeRR McGee Refining Corp		
Other info:	Well plugged: 12/16/1999; Well type: < 18" dia.		
Xcoord:	571381.25		
Ycoord:	4802512		
Hlink:	Not Reported		
Site id:	IAPU30000183650		

K44
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183666**

Mapid:	183666	Wellid:	39691
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 23, SW, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	12	C p date:	n.a.
Owner name:	KeRR McGee Refining Corp		
Other info:	Well plugged: 12/16/1999; Well type: < 18" dia.		
Xcoord:	571382.25		
Ycoord:	4802512		
Hlink:	Not Reported		
Site id:	IAPU30000183666		

K45
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183647**

Mapid:	183647	Wellid:	913
Id src fld:	recordno	Datasrc:	PVTP
Well type:	Permitted private wells	Location:	T. 99 N., R. 11 W., Sec. 23, SWSWS
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	25	C p date:	unkn
Owner name:	Reed, Thomas		
Other info:	Primary use: Monitoring/observation		
Xcoord:	571373.25		
Ycoord:	4802504		
Hlink:	Not Reported		
Site id:	IAPU30000183647		

J46
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183790**

Mapid:	183790	Wellid:	23500
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 23, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	670	C p date:	n.a.
Owner name:	Cresco, City Of		
Other info:	Well plugged: 6/20/1994; Well type: < 18" dia.		
Xcoord:	571487.94		
Ycoord:	4802608		
Hlink:	Not Reported		
Site id:	IAPU30000183790		

L47
NNE
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000183235**

Mapid:	183235	Wellid:	46341
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 15, SE, SE
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	382	C p date:	1980
Owner name:	Alden, Willard		
Other info:	Drilling method: Drilled; Known well depth		
Xcoord:	571053.06		
Ycoord:	4804209.5		
Hlink:	Not Reported		
Site id:	IAPU30000183235		

K48
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183694**

Mapid:	183694	Wellid:	39702
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 23, SW, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	19	C p date:	n.a.
Owner name:	KeRR McGee Refining Corp		
Other info:	Well plugged: 12/16/1999; Well type: < 18" dia.		
Xcoord:	571380.25		
Ycoord:	4802508		
Hlink:	Not Reported		
Site id:	IAPU30000183694		

K49
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183654**

Mapid:	183654	Wellid:	39690
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 23, SW, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	14	C p date:	n.a.
Owner name:	KeRR McGee Refining Corp		
Other info:	Well plugged: 12/16/1999; Well type: < 18" dia.		
Xcoord:	571372.25		
Ycoord:	4802501		
Hlink:	Not Reported		
Site id:	IAPU30000183654		

J50
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183794**

Mapid:	183794	Wellid:	23501
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 23, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	667	C p date:	n.a.
Owner name:	Cresco, City Of		
Other info:	Well plugged: 6/20/1994; Well type: < 18" dia.		
Xcoord:	571488.94		
Ycoord:	4802607		
Hlink:	Not Reported		
Site id:	IAPU30000183794		

K51
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183648**

Mapid:	183648	Wellid:	39703
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 23, SW, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	22	C p date:	n.a.
Owner name:	KeRR McGee Refining Corp		
Other info:	Well plugged: 12/16/1999; Well type: < 18" dia.		
Xcoord:	571387.25		
Ycoord:	4802512		
Hlink:	Not Reported		
Site id:	IAPU30000183648		

K52
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183668**

Mapid:	183668	Wellid:	39697
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 23, SW, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	14	C p date:	n.a.
Owner name:	KeRR McGee Refining Corp		
Other info:	Well plugged: 12/16/1999; Well type: < 18" dia.		
Xcoord:	571386.25		
Ycoord:	4802511		
Hlink:	Not Reported		
Site id:	IAPU30000183668		

K53
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183641**

Mapid:	183641	Wellid:	39693
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 23, SW, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	12	C p date:	n.a.
Owner name:	KeRR McGee Refining Corp		
Other info:	Well plugged: 12/16/1999; Well type: < 18" dia.		
Xcoord:	571380.25		
Ycoord:	4802506		
Hlink:	Not Reported		
Site id:	IAPU30000183641		

K54
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183653**

Mapid:	183653	Wellid:	39701
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 23, SW, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	13	C p date:	n.a.
Owner name:	KeRR McGee Refining Corp		
Other info:	Well plugged: 12/16/1999; Well type: < 18" dia.		
Xcoord:	571380.25		
Ycoord:	4802506		
Hlink:	Not Reported		
Site id:	IAPU30000183653		

K55
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183640**

Mapid:	183640	Wellid:	914
Id src fld:	recordno	Datasrc:	PVTP
Well type:	Permitted private wells	Location:	T. 99 N., R. 11 W., Sec. 23, SWSWS
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	10	C p date:	unkn
Owner name:	Reed, Thomas		
Other info:	Primary use: Monitoring/observation		
Xcoord:	571371.25		
Ycoord:	4802498		
Hlink:	Not Reported		
Site id:	IAPU30000183640		

L56
NNE
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000183234**

Mapid:	183234	Wellid:	6849
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 15, SE, SE
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	382	C p date:	1980
Owner name:	Alden, Willard		
Other info:	Drilling method: Drilled;		
Xcoord:	571054.06		
Ycoord:	4804212.5		
Hlink:	Not Reported		
Site id:	IAPU30000183234		

L57
NNE
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000183264**

Mapid:	183264	Wellid:	53652
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 15, SE, SE
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	382	C p date:	1980
Owner name:	Alden, Willard		
Other info:	Drilling method: Drilled; Known well depth		
Xcoord:	571054.06		
Ycoord:	4804212.5		
Hlink:	Not Reported		
Site id:	IAPU30000183264		

L58
NNE
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000014496**

Recordno:	14496	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	15
Qqqqq:	SE SE	Q abc:	DD
Checked:	Y	Ownerfirst:	WILLARD
Ownerlast:	ALDEN	Owneraddr:	RR 1, BOX 80
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	Not Reported
County:	45	Legal:	SESE15 9911W
Depth:	382	Dpth rel:	K
Permit:	Not Reported	Sampldte:	30-OCT-95
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	G025930		
Anal dte:	06-NOV-95	Smplsrce:	Kitchen Faucet
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	0
Bctcolml:	0	Bact s u:	S
No3r:	Not Reported	No3:	0
No3 s u:	Not Reported	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	Not Reported
Case mat:	STEEL	Cs mt rel:	Not Reported

Case diam:	5	Csdia rel:	K
Year cons:	1980	Yr rel:	K
Agentfirst:	ANN	Agentlast:	NOVAK
Created:	rlaferr 07/17/96 14:13:43	Updated:	lmcmull 07/18/96 09:12:20
Flag:	Not Reported		
Utm x:	571068.5		
Utm y:	4804002		
Site id:	IAPR30000014496		

L59
NNE
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000006849**

Recordno:	6849	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	15
Qqqqq:	SE SE	Q abc:	DD
Checked:	Not Reported	Ownerfirst:	WILLARD
Ownerlast:	ALDEN	Owneraddr:	RR 1 BOX 80
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	Not Reported
County:	45	Legal:	SESE15 9911W
Depth:	382	Dpth rel:	Not Reported
Permit:	Not Reported	Sampldte:	16-AUG-94
Lab:	Not Reported		
Lab no:	Not Reported		
Anal dte:	22-AUG-94	Smplsrce:	KITCHEN SINK
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	<	Bact:	2.20000004768372
Bctcolml:	0	Bact s u:	S
No3r:	<	No3:	1
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	Not Reported
Case mat:	STEEL	Cs mt rel:	Not Reported
Case diam:	5	Csdia rel:	Not Reported
Year cons:	1980	Yr rel:	Not Reported
Agentfirst:	ANN	Agentlast:	NOVAK
Created:	Not Reported	Updated:	esmith 07/13/98 17:49:58
Flag:	YNNNNNNNNNNNNNNNNNN		
Utm x:	571068.5		
Utm y:	4804002		
Site id:	IAPR30000006849		

L60
NNE
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000053652**

Recordno:	53652	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	15
Qqqqq:	SE SE	Q abc:	DD
Checked:	cpartai 04/13/99 14:26:17	Ownerfirst:	WILLARD
Ownerlast:	ALDEN	Owneraddr:	RR 1, BOX 80
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	Not Reported
County:	45	Legal:	SESE15 9911W
Depth:	382	Dpth rel:	K

Permit:	Not Reported	Sampldte:	19-SEP-95
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	G022701		
Anal dte:	25-SEP-95	Smplsrce:	Kitchen Faucet
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	0
Bctcolml:	0	Bact s u:	U
No3r:	<	No3:	1
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	Not Reported
Case mat:	STEEL	Cs mt rel:	Not Reported
Case diam:	5	Csdia rel:	K
Year cons:	1980	Yr rel:	K
Agentfirst:	ANN	Agentlast:	NOVAK
Created:	lweyns 03/04/99 15:53:15	Updated:	cpartai 04/13/99 14:26:17
Flag:	YNNNNNNNNNNNNNNNNNN		
Utm x:	571068.5		
Utm y:	4804002		
Site id:	IAPR30000053652		

L61
NNE
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000046341**

Recordno:	46341	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	15
Qqqqq:	SE SE	Q abc:	DD
Checked:	esmith 07/23/98 18:55:01	Ownerfirst:	WILLARD
Ownerlast:	ALDEN	Owneraddr:	8979 WILLOW AVE.
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	Not Reported
County:	45	Legal:	SESE15 9911W
Depth:	382	Dpth rel:	K
Permit:	Not Reported	Sampldte:	13-APR-98
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	G6734		
Anal dte:	16-APR-98	Smplsrce:	KITCHEN SINK
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	0
Bctcolml:	0	Bact s u:	S
No3r:	<	No3:	1
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	Not Reported
Case mat:	STEEL	Cs mt rel:	Not Reported
Case diam:	5	Csdia rel:	K
Year cons:	1980	Yr rel:	K
Agentfirst:	LACINDA	Agentlast:	ALTMAN
Created:	esmith 07/13/98 17:48:06	Updated:	esmith 07/23/98 18:55:01
Flag:	YNNNNNNNNNNNNNNNNNN		
Utm x:	571068.5		
Utm y:	4804002		
Site id:	IAPR30000046341		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

K62
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183681**

Mapid:	183681	Wellid:	39576
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 23, SW, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	12	C p date:	n.a.
Owner name:	KeRR McGee Refining Corp		
Other info:	Well plugged: 12/16/1999; Well type: < 18" dia.		
Xcoord:	571388.25		
Ycoord:	4802510		
Hlink:	Not Reported		
Site id:	IAPU30000183681		

K63
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183676**

Mapid:	183676	Wellid:	39699
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 23, SW, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	14	C p date:	n.a.
Owner name:	KeRR McGee Refining Corp		
Other info:	Well plugged: 12/16/1999; Well type: < 18" dia.		
Xcoord:	571386.25		
Ycoord:	4802507		
Hlink:	Not Reported		
Site id:	IAPU30000183676		

K64
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183656**

Mapid:	183656	Wellid:	39692
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 23, SW, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	14	C p date:	n.a.
Owner name:	KeRR McGee Refining Corp		
Other info:	Well plugged: 12/16/1999; Well type: < 18" dia.		
Xcoord:	571377.25		
Ycoord:	4802497		
Hlink:	Not Reported		
Site id:	IAPU30000183656		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

L65
NNE
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000183227**

Mapid:	183227	Wellid:	14496
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 15, SE, SE
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	382	C p date:	1980
Owner name:	Alden, Willard		
Other info:	Drilling method: Drilled; Known well depth		
Xcoord:	571049.06		
Ycoord:	4804219.5		
Hlink:	Not Reported		
Site id:	IAPU30000183227		

M66
ENE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183907**

Mapid:	183907	Wellid:	2094046
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 23, NW, SW, NW, NW, SW
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	0	C p date:	Not Reported
Owner name:	Froelke, Tom		
Other info:	Status: Retired; Well use: Heat pump		
Xcoord:	571728.024215		
Ycoord:	4803528.5416		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2094046&reportName=WellPrintout		
Site id:	IAPU30000183907		

M67
ENE
1/2 - 1 Mile
Higher

IA WELLS **IAPW30000022729**

Objectid:	22729	Iwellid:	2101152
Wellnmbr:	2094046	Pmtnmbr:	14717
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	23		
Qqqqq:	NW, SW, NW, NW, SW		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	0		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.3812		
Longitude:	-92.1145		
Dte done:	30-DEC-99		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	Froelke, Tom		
Cnstr mthd:	Not Reported		

Fm rmk:	Not Reported		
Well use:	Heat pump		
Status:	Retired		
Ht pmp no:	1		
Permit:	X	Plugging:	Not Reported
Renovate:	Not Reported	Test:	Not Reported
Xcoord:	571728.024215		
Ycoord:	4803528.5416		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	0
Has constr:	0		
Wnumber:	0		
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2094046&reportName=WellPrintout		
Site id:	IAPW30000022729		

K68
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183686**

Mapid:	183686	Wellid:	39454
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 23, SW, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	21	C p date:	n.a.
Owner name:	KeRR McGee Refining Corp.		
Other info:	Well plugged: 12/16/1999; Well type: < 18" dia.		
Xcoord:	571387.25		
Ycoord:	4802498		
Hlink:	Not Reported		
Site id:	IAPU30000183686		

K69
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183672**

Mapid:	183672	Wellid:	39698
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 23, SW, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	13	C p date:	n.a.
Owner name:	KeRR McGee Refining Corp		
Other info:	Well plugged: 12/16/1999; Well type: < 18" dia.		
Xcoord:	571384.25		
Ycoord:	4802495		
Hlink:	Not Reported		
Site id:	IAPU30000183672		

K70
SSE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183575**

Mapid:	183575	Wellid:	4
Id src fld:	Wnumber	Datasrc:	PUB
Well type:	Public wells	Location:	T. 99N., R. 11W., Sec. 23
County:	Howard	Est loc ac:	Meas. +/- 115'
Depth:	670	C p date:	10/14/1924
Owner name:	Cresco, City Of		
Other info:	Local name: Cresco #1; Status: Plugged		
Xcoord:	571300.55		
Ycoord:	4802430.75		
Hlink:	http://www.igsb.uiowa.edu/webapps/geosam/Scripts/geocard.asp?wnumber=4		
Site id:	IAPU30000183575		

K71
SSE **IA WELLS** **IAUS20000003515**
1/2 - 1 Mile
Higher

Maplabelna:	Cresco WS-W2883		
Legendtype:	39	Publicview:	0
Locid:	20000315345		
Stfacid:	310345203		
Progid:	1925		
Facname:	Cresco Waterworks		
Opstatus:	Drilled	Pistartdat:	14-SEP-06
Subname:	W2883		
Subprogid:	7733	Subaltidnu:	Not Reported
Wellname:	Not Reported		
Wellstatus:	Not Reported		
Totaldepth:	670		
Drilldate:	30-DEC-99	Aquifertyp:	Mid Ordovician
Aquiferran:	Primary	Countyname:	Howard
Fo:	1	Accuracy:	100
Colmthtxt:	INTERPOLATION-PHOTO	Refpnttxt:	WELL
Verifytxt:	Not Reported	Collectby:	WKTU
Coldate:	28-DEC-05		
Loccomment:	SDWISGPS, geosam, map, cir - is this used SDWIS says plugged?		
Congress:	4	Sthouse:	015
Stsenate:	08	Huc:	070600040203
Hyperlink:	http://programs.iowadnr.gov/wateruse/		
Lat:	43.37136		
Lon:	-92.11991		
Xcoord:	571301		
Ycoord:	4802431		
Site id:	IAUS20000003515		

K72
SSE **IA WELLS** **IAUS20000000480**
1/2 - 1 Mile
Higher

Maplabelna:	Cresco WS-W332		
Legendtype:	39	Publicview:	0
Locid:	20000315344		
Stfacid:	310345203		
Progid:	1925		
Facname:	Cresco Waterworks		
Opstatus:	Drilled	Pistartdat:	14-SEP-06
Subname:	W332		
Subprogid:	7734	Subaltidnu:	Not Reported
Wellname:	Not Reported		

Wellstatus:	Not Reported		
Totaldepth:	670		
Drilldate:	30-DEC-99	Aquifertyp:	Mid Ordovician
Aquiferran:	Primary	Countyname:	Howard
Fo:	1	Accuracy:	100
Colmthtxt:	INTERPOLATION-PHOTO	Refpnttxt:	WELL
Verifytxt:	Not Reported	Collectby:	WKTU
Coldate:	28-DEC-05		
Loccomment:	SDWISGPS, geosam, map, cir - is this used SDWIS says plugged?		
Congress:	4	Sthouse:	015
Stsenate:	08	Huc:	070600040203
Hyperlink:	http://programs.iowadnr.gov/wateruse/		
Lat:	43.37136		
Lon:	-92.11991		
Xcoord:	571301		
Ycoord:	4802431		
Site id:	IAUS20000000480		

K73
SSE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183579**

Mapid:	183579	Wellid:	W332
Id src fld:	subname	Datasrc:	WTRU
Well type:	Water Use Permit Wells	Location:	T99N, R11W, Sec. 23, SW, SW, SW
County:	Howard	Est loc ac:	+/-100
Depth:	670	C p date:	Not Reported
Owner name:	Cresco Waterworks		
Other info:	Water Use Permit 1925; Primary use: Municipal		
Xcoord:	571301		
Ycoord:	4802431		
Hlink:	https://facilityexplorer.iowadnr.gov/FacilityExplorer/SiteDetail.aspx?facID=310345203		
Site id:	IAPU30000183579		

K74
SSE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183611**

Mapid:	183611	Wellid:	W2883
Id src fld:	subname	Datasrc:	WTRU
Well type:	Water Use Permit Wells	Location:	T99N, R11W, Sec. 23, SW, SW, SW
County:	Howard	Est loc ac:	+/-100
Depth:	670	C p date:	Not Reported
Owner name:	Cresco Waterworks		
Other info:	Water Use Permit 1925; Primary use: Municipal		
Xcoord:	571301		
Ycoord:	4802431		
Hlink:	https://facilityexplorer.iowadnr.gov/FacilityExplorer/SiteDetail.aspx?facID=310345203		
Site id:	IAPU30000183611		

K75
SSE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183590**

Mapid:	183590	Wellid:	2412180
Id src fld:	tinwsf_is_number	Datasrc:	SDWI
Well type:	SDWIS well	Location:	T99N, R11W, Sec. 23, SW, SW, SW
County:	Howard	Est loc ac:	+/- 35 m.
Depth:	670	C p date:	01/01/1924
Owner name:	Cresco Waterworks		
Other info:	Plug # 1 (1924); PWSID: 4515087; Status: Active		
Xcoord:	571301		
Ycoord:	4802431		
Hlink:	https://facilityexplorer.iowadnr.gov/FacilityExplorer/SiteDetail.aspx?facID=310345203		
Site id:	IAPU30000183590		

K76
SSE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183591**

Mapid:	183591	Wellid:	38603
Id src fld:	Wnumber	Datasrc:	PUB
Well type:	Public wells	Location:	T. 99N., R. 11W., Sec. 23
County:	Howard	Est loc ac:	Meas. +/- 115'
Depth:	666	C p date:	01/01/1932
Owner name:	Cresco, City Of		
Other info:	Local name: Cresco #2; Status: Plugged		
Xcoord:	571300.55		
Ycoord:	4802430.25		
Hlink:	http://www.igsb.uiowa.edu/webapps/geosam/Scripts/geocard.asp?wnumber=38603		
Site id:	IAPU30000183591		

K77
SSE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183605**

Mapid:	183605	Wellid:	38604
Id src fld:	Wnumber	Datasrc:	PUB
Well type:	Public wells	Location:	T. 99N., R. 11W., Sec. 23
County:	Howard	Est loc ac:	Meas. +/- 230'
Depth:	0	C p date:	Not Reported
Owner name:	Cresco, City Of		
Other info:	Local name: Cresco #old West; Status: Not Used		
Xcoord:	571299.99		
Ycoord:	4802429.75		
Hlink:	http://www.igsb.uiowa.edu/webapps/geosam/Scripts/geocard.asp?wnumber=38604		
Site id:	IAPU30000183605		

K78
SSE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183601**

Mapid:	183601	Wellid:	2408984
Id src fld:	tinwsf_is_number	Datasrc:	SDWI
Well type:	SDWIS well	Location:	T99N, R11W, Sec. 23, SW, SW, SW
County:	Howard	Est loc ac:	+/- 35 m.
Depth:	666	C p date:	01/01/1932
Owner name:	Cresco Waterworks		
Other info:	Plug # 2 (1932); PWSID: 4515087; Status: Active		
Xcoord:	571301		
Ycoord:	4802430		
Hlink:	https://facilityexplorer.iowadnr.gov/FacilityExplorer/SiteDetail.aspx?facID=310345203		
Site id:	IAPU30000183601		

K79
SSE **FED USGS** **USGS40000322609**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-IA		
Formal name:	USGS Iowa Water Science Center		
Monloc Identifier:	USGS-432225092065701		
Monloc name:	099N11W23CCCC 00004 1924Cresco 1		
Monloc type:	Well		
Monloc desc:	4515087-01		
Huc code:	07060002	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	43.3713569
Longitude:	-92.1198883	Sourcemap scale:	24000
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	1299
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	St Peter Sandstone		
Aquifer type:	Not Reported		
Construction date:	19241014	Welldepth:	670
Welldepth units:	ft	Wellholedepth:	670
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1924-10-14	151.00	

N80
ENE **IA WELLS** **IAPW30000026872**
1/2 - 1 Mile
Higher

Objectid:	26872	Iwellid:	2110834
Wellnmbr:	2100759	Pmtnmbr:	16969
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	23		
Qqqqq:	NW, NW, NE, SW, SE		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	0		

Br depth:	0		
Wtr depth:	0		
Latitude:	43.384		
Longitude:	-92.1158		
Dte done:	30-DEC-99		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	Iverson, Loren		
Cnstr mthd:	Not Reported		
Fm rmk:	Not Reported		
Well use:	Heat pump		
Status:	Retired		
Ht pmp no:	4		
Permit:	X	Plugging:	Not Reported
Renovate:	Not Reported	Test:	Not Reported
Xcoord:	571619.423642		
Ycoord:	4803838.38278		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	0
Has constr:	0		
Wnumber:	0		
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2100759&reportName=WellPrintout		
Site id:	IAPW30000026872		

N81
ENE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183806**

Mapid:	183806	Wellid:	2100759
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 23, NW, NW, NE, SW, SE
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	0	C p date:	Not Reported
Owner name:	Iverson, Loren		
Other info:	Status: Retired; Well use: Heat pump		
Xcoord:	571619.423642		
Ycoord:	4803838.38278		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2100759&reportName=WellPrintout		
Site id:	IAPU30000183806		

O82
SSE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183437**

Mapid:	183437	Wellid:	2147699
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 22, SW, SW, SW, NW, SE
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	0	C p date:	Not Reported
Owner name:	Not Reported		
Other info:	Status: Permitted; Well use: Heat pump		
Xcoord:	571105.273851		
Ycoord:	4802313.0379		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2147699&reportName=WellPrintout		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Site id: IAPU30000183437

O83
SSE **IA WELLS** **IAPW30000062260**
1/2 - 1 Mile
Higher

Objectid:	62260	Iwellid:	2190069
Wellnmbr:	2147699	Pmtnmbr:	32384
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	22		
Qqqqq:	SW, SW, SW, NW, SE		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	0		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.3703155518		
Longitude:	-92.1223449707		
Dte done:	30-DEC-99		
Cty num:	45		
County:	Howard		
Drlr name:	Enviro-Tec Inc.		
Owner name:	,		
Cnstr mthd:	Not Reported		
Fm rmk:	Not Reported		
Well use:	Heat pump		
Status:	Permitted		
Ht pmp no:	5		
Permit:	X	Plugging:	Not Reported
Renovate:	Not Reported	Test:	Not Reported
Xcoord:	571105.273827		
Ycoord:	4802313.03792		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	0
Has constr:	0		
Wnumber:	0		
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2147699&reportName=WellPrintout		
Site id:	IAPW30000062260		

K84
SE **IA WELLS** **IAPU30000183698**
1/2 - 1 Mile
Higher

Mapid:	183698	Wellid:	2116640
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 23, SE, SE, SE, SW, SE
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	0	C p date:	Not Reported
Owner name:	McGuire, Mike		
Other info:	Status: Retired; Well use: Heat pump		
Xcoord:	571382.87097		
Ycoord:	4802458.62585		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2116640&reportName=WellPrintout		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Site id: IAPU30000183698

K85
SE **IA WELLS** **IAPW30000045125**
1/2 - 1 Mile
Higher

Objectid:	45125	Iwellid:	2133331
Wellnmbr:	2116640	Pmtnmbr:	22013
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	23		
Qqqqq:	SE, SE, SE, SW, SE		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	0		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.3716		
Longitude:	-92.1189		
Dte done:	30-DEC-99		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	McGuire, Mike		
Cnstr mthd:	Not Reported		
Fm rmk:	Not Reported		
Well use:	Heat pump		
Status:	Retired		
Ht pmp no:	5		
Permit:	X	Plugging:	Not Reported
Renovate:	Not Reported	Test:	Not Reported
Xcoord:	571382.87097		
Ycoord:	4802458.62585		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	0
Has constr:	0		
Wnumber:	0		
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2116640&reportName=WellPrintout		
Site id:	IAPW30000045125		

P86
SSE **FED USGS** **USGS40000322593**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-IA		
Formal name:	USGS Iowa Water Science Center		
Monloc Identifier:	USGS-432216092071102		
Monloc name:	099N11W23CCCC 1932Cresco 2		
Monloc type:	Well		
Monloc desc:	4515087-03		
Huc code:	07060002	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	43.3710792
Longitude:	-92.1198883	Sourcemap scale:	24000

Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	1299
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	St Peter Sandstone		
Aquifer type:	Not Reported		
Construction date:	1932	Welldepth:	666
Welldepth units:	ft	Wellholedepth:	666
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

87
ESE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183928**

Mapid:	183928	Wellid:	3146
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 23, SW
County:	Howard	Est loc ac:	Calc. +/- 570m.
Depth:	19	C p date:	n.a.
Owner name:	Howard County Comm. Actio, Howard Count		
Other info:	Well plugged: 8/22/1990; Well type: < 18" dia.		
Xcoord:	571687.38		
Ycoord:	4802808.5		
Hlink:	Not Reported		
Site id:	IAPU30000183928		

M88
ENE
1/2 - 1 Mile
Higher

FRDS PWS **IA4515783**

Epa region:	07	State:	IA
Pwsid:	IA4515783		
Pwsname:	VALLEY INN (KENDALLVILLE)		
City served:	Not Reported	State served:	IA
Zip served:	Not Reported	Fips county:	19191
Status:	Active	Pop srvd:	25
Pwssvcconn:	1	Source:	Groundwater
Pws type:	TNCWS	Owner:	Private
Contact:	VALLEY INN (KENDALLVILLE)		
Contactor gname:	VALLEY INN (KENDALLVILLE)		
Contact phone:	563-547-3256	Contact address1:	ATTN JANET MENSINK OWNER
Contact address2:	3230 347TH ST	Contact city:	CRESCO
Contact state:	IA	Contact zip:	52136
Activity code:	A		

Location Information:

Name:	K-TOWN TAP		
Pwstypcd:	TNCWS	Primsrccd:	GW
Popserved:	25		
Add1:	ATTN AL OR DEBORAH REICKS OWNER		
Add2:	3230 347TH ST		
City:	CRESCO	State:	IA
Zip:	52136	Phone:	563-547-3256
Cityserv:	KENDALLVILLE	Cntyserv:	Winneshiek
Stateserv:	IA	Zipserv:	Not Reported

PWS ID:	IA4515783		
Date Initiated:	Not Reported	Date Deactivated:	Not Reported
PWS Name:	VALLEY INN (KENDALLVILLE) ATTN: JANET NAGEL, OWNER 3230 347TH STREET CRESCO, IA 52136		

Addressee / Facility:	Not Reported		
Facility Latitude:	43 22 53	Facility Longitude:	092 06 50
City Served:	Not Reported		
Treatment Class:	Treated	Population:	00000032

Violations information not reported.

P89
SSE
1/2 - 1 Mile
Higher

IA WELLS **IAPW30000086367**

Objectid:	86367	Iwellid:	2257248
Wellnmbr:	2178287	Pmtnmbr:	Not Reported
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	22		
Qqqqq:	SW, SW, SW, NE, NE		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	76		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.370573		
Longitude:	-92.120675		
Dte done:	01-JAN-01		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	Not Reported		
Cnstr mthd:	Unknown		
Fm rmk:	Not Reported		
Well use:	Household		
Status:	Inactive		
Ht pmp no:	0		
Permit:	Not Reported	Plugging:	X
Renovate:	Not Reported	Test:	Not Reported
Xcoord:	571240.269705		
Ycoord:	4802343.0538		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	0

Has constr:	0
Wnumber:	0
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2178287&reportName=WellPrintout
Site id:	IAPW30000086367

Q90
WNW
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000006855**

Recordno:	6855	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	22
Qqqqq:	NW NW	Q abc:	BB
Checked:	Not Reported	Ownerfirst:	KENNY & PAM
Ownerlast:	KALEVAGE	Owneraddr:	RR 3 BOX 23
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	3195474734
County:	45	Legal:	NWNW22 9911W
Depth:	0	Dpth rel:	U
Permit:	Not Reported	Sampldte:	08-AUG-94
Lab:	Not Reported		
Lab no:	Not Reported		
Anal dte:	12-AUG-94	Smplsrce:	KITCHEN FAUCET
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	>	Bact:	16
Bctcolml:	0	Bact s u:	U
No3r:	Not Reported	No3:	100
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	U
Case mat:	Not Reported	Cs mt rel:	U
Case diam:	6	Csdia rel:	Not Reported
Year cons:	0	Yr rel:	U
Agentfirst:	ANN	Agentlast:	NOVAK
Created:	Not Reported	Updated:	TALT 05/24/95 15:06:09
Flag:	Not Reported		
Utm x:	569880		
Utm y:	4803584.75		
Site id:	IAPR30000006855		

Q91
WNW
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000053553**

Recordno:	53553	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	22
Qqqqq:	NW NW	Q abc:	BB
Checked:	Not Reported	Ownerfirst:	RICK
Ownerlast:	SMITH	Owneraddr:	9316 WILLOW AVE
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	3195474734
County:	45	Legal:	NWNW22 9911W
Depth:	0	Dpth rel:	U

Permit:	Not Reported	Sampldte:	08-AUG-94
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	G004381		
Anal dte:	12-AUG-94	Smplsrce:	KITCHEN FAUCET
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	0
Bctcolml:	0	Bact s u:	U
No3r:	Not Reported	No3:	100
No3 s u:	U	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	Not Reported
Case mat:	UNKNOWN	Cs mt rel:	Not Reported
Case diam:	7	Csdia rel:	E
Year cons:	0	Yr rel:	U
Agentfirst:	ANN	Agentlast:	NOVAK
Created:	cpartai 03/04/99 10:41:32	Updated:	cpartai 03/04/99 10:46:03
Flag:	YNNNNNNNNNNNNNNNNNN		
Utm x:	569880		
Utm y:	4803584.75		
Site id:	IAPR30000053553		

Q92
WNW
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000053555**

Recordno:	53555	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	22
Qqqqq:	NW NW	Q abc:	BB
Checked:	Not Reported	Ownerfirst:	RICK
Ownerlast:	SMITH	Owneraddr:	9316 WILLOW AVE
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	3195474734
County:	45	Legal:	NWNW22 9911W
Depth:	0	Dpth rel:	U
Permit:	Not Reported	Sampldte:	17-JUN-97
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	11654		
Anal dte:	20-JUN-97	Smplsrce:	KITCHEN FAUCET
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	0
Bctcolml:	0	Bact s u:	S
No3r:	Not Reported	No3:	87
No3 s u:	U	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	Not Reported
Case mat:	UNKNOWN	Cs mt rel:	Not Reported
Case diam:	7	Csdia rel:	E
Year cons:	0	Yr rel:	U
Agentfirst:	LACINDA	Agentlast:	ALTMAN
Created:	cpartai 03/04/99 10:46:34	Updated:	cpartai 03/04/99 10:48:20
Flag:	YNNNNNNNNNNNYNNNNNNN		
Utm x:	569880		
Utm y:	4803584.75		
Site id:	IAPR30000053555		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database | EDR ID Number

Q93
WNW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000182000**

Mapid:	182000	Wellid:	6855
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 22, NW, NW
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	unkn	C p date:	unkn
Owner name:	Kalevage, Kenny & Pam		
Other info:	Drilling method: Drilled; Well depth is uncertain		
Xcoord:	569864.56		
Ycoord:	4803800.5		
Hlink:	Not Reported		
Site id:	IAPU30000182000		

Q94
WNW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000181992**

Mapid:	181992	Wellid:	53553
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 22, NW, NW
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	unkn	C p date:	unkn
Owner name:	Smith, Rick		
Other info:	Drilling method: Drilled; Well depth is uncertain		
Xcoord:	569857.56		
Ycoord:	4803788.5		
Hlink:	Not Reported		
Site id:	IAPU30000181992		

Q95
WNW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000182020**

Mapid:	182020	Wellid:	53555
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 22, NW, NW
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	unkn	C p date:	unkn
Owner name:	Smith, Rick		
Other info:	Drilling method: Drilled; Well depth is uncertain		
Xcoord:	569863.56		
Ycoord:	4803801.5		
Hlink:	Not Reported		
Site id:	IAPU30000182020		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
96 **ESE** **1/2 - 1 Mile** **Higher**	**IA WELLS**	**IAPU30000184007**

Mapid:	184007	Wellid:	18146
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 23, SW, NE, SW
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	unkn	C p date:	n.a.
Owner name:	Martinek, Joan		
Other info:	Well plugged: 5/1/1995; Well type: > 18" dia.		
Xcoord:	571776.25		
Ycoord:	4802918.5		
Hlink:	Not Reported		
Site id:	IAPU30000184007		

	Database	EDR ID Number
R97 **WNW** **1/2 - 1 Mile** **Lower**	**IA WELLS**	**IAPW30000000787**

Objectid:	787	Iwellid:	2077094
Wellnmbr:	2076340	Pmtnmbr:	Not Reported
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	22		
Qqqqq:	NW, SE, NW, NW, SW		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	1		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.3815		
Longitude:	-92.1393		
Dte done:	01-JAN-01		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	Smith, Rick		
Cnstr mthd:	Unknown		
Fm rmk:	Not Reported		
Well use:	Household		
Status:	Active		
Ht pmp no:	0		
Permit:	Not Reported	Plugging:	Not Reported
Renovate:	Not Reported	Test:	X
Xcoord:	569718.800798		
Ycoord:	4803540.83091		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	1

Has constr:	0
Wnumber:	0
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2076340&reportName=WellPrintout
Site id:	IAPW30000000787

R98
WNW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000181858**

Mapid:	181858	Wellid:	2076340
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 22, NW, SE, NW, NW, SW
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	1	C p date:	01/01/1901
Owner name:	Smith, Rick		
Other info:	Status: Active; Well use: Household		
Xcoord:	569718.800798		
Ycoord:	4803540.83091		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2076340&reportName=WellPrintout		
Site id:	IAPU30000181858		

S99
NE
1/2 - 1 Mile
Lower

IA WELLS **IAPW30000028894**

Objectid:	28894	Iwellid:	2114483
Wellnmbr:	2103436	Pmtnmbr:	Not Reported
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	23		
Qqqqq:	NW, NW, NE, NE, NE		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	110		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.3854		
Longitude:	-92.1156		
Dte done:	01-JAN-62		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	Seebach, Lyle		
Cnstr mthd:	Unknown		
Fm rmk:	Not Reported		
Well use:	Household		
Status:	Active		
Ht pmp no:	0		
Permit:	Not Reported	Plugging:	Not Reported
Renovate:	Not Reported	Test:	X
Xcoord:	571633.974914		
Ycoord:	4803994.03372		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	1

Has constr:	0
Wnumber:	0
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2103436&reportName=WellPrintout
Site id:	IAPW30000028894

S100
NE
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000183800**

Mapid:	183800	Wellid:	2103436
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 23, NW, NW, NE, NE, NE
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	110	C p date:	01/01/1962
Owner name:	Seebach, Lyle		
Other info:	Status: Active; Well use: Household		
Xcoord:	571633.974914		
Ycoord:	4803994.03372		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2103436&reportName=WellPrintout		
Site id:	IAPU30000183800		

T101
SW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000182140**

Mapid:	182140	Wellid:	32867
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 22, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	80	C p date:	1909
Owner name:	Ahern, Pat		
Other info:	Drilling method: Drilled;		
Xcoord:	569875.69		
Ycoord:	4802586		
Hlink:	Not Reported		
Site id:	IAPU30000182140		

T102
SW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000182113**

Mapid:	182113	Wellid:	6977
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 22, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	80	C p date:	1910
Owner name:	Laub, Gretchn		
Other info:	Drilling method: Drilled; Known well depth		
Xcoord:	569874.69		
Ycoord:	4802578		
Hlink:	Not Reported		

Site id: IAPU30000182113

T103
SW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000182135**

Mapid:	182135	Wellid:	32871
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 22, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	80	C p date:	1909
Owner name:	Ahern, Pat		
Other info:	Drilling method: Drilled;		
Xcoord:	569873.69		
Ycoord:	4802579		
Hlink:	Not Reported		
Site id:	IAPU30000182135		

T104
SW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000182141**

Mapid:	182141	Wellid:	6979
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 22, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	80	C p date:	1910
Owner name:	Laub, Gretchn		
Other info:	Drilling method: Drilled; Known well depth		
Xcoord:	569870.69		
Ycoord:	4802579		
Hlink:	Not Reported		
Site id:	IAPU30000182141		

T105
SW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000182105**

Mapid:	182105	Wellid:	32865
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 22, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	80	C p date:	1909
Owner name:	Ahern, Pat		
Other info:	Drilling method: Drilled;		
Xcoord:	569862.69		
Ycoord:	4802583		
Hlink:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Site id: IAPU30000182105

T106
SW
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000006979**

Recordno:	6979	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	22
Qqqqq:	SW SW	Q abc:	CC
Checked:	Not Reported	Ownerfirst:	GRETCHN
Ownerlast:	LAUB	Owneraddr:	205 6TH AVENUE W
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	3195473384
County:	45	Legal:	SWSW22 9911W
Depth:	80	Dpth rel:	K
Permit:	Not Reported	Sampldte:	18-JUL-94
Lab:	Not Reported		
Lab no:	Not Reported		
Anal dte:	21-JUL-94	Smplsrce:	KITCHEN SINK
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	<	Bact:	2.20000004768372
Bctcolml:	0	Bact s u:	S
No3r:	Not Reported	No3:	23
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	K
Case mat:	STEEL	Cs mt rel:	K
Case diam:	6	Csdia rel:	K
Year cons:	1910	Yr rel:	E
Agentfirst:	ANN	Agentlast:	NOVAK
Created:	Not Reported	Updated:	TALT 05/30/95 09:43:56
Flag:	Not Reported		
Utm x:	569881.06		
Utm y:	4802366.06		
Site id:	IAPR30000006979		

T107
SW
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000006978**

Recordno:	6978	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	22
Qqqqq:	SW SW	Q abc:	CC
Checked:	Not Reported	Ownerfirst:	GRETCHN
Ownerlast:	LAUB	Owneraddr:	205 6TH AVENUE W
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	3195473384
County:	45	Legal:	SWSW22 9911W
Depth:	80	Dpth rel:	K

Permit:	Not Reported	Sampldte:	11-JUL-94
Lab:	Not Reported		
Lab no:	Not Reported		
Anal dte:	18-JUL-94	Smplsrce:	RENTER'S KITCHEN TAP
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	<	Bact:	2.20000004768372
Bctcolml:	0	Bact s u:	S
No3r:	Not Reported	No3:	22
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	K
Case mat:	STEEL	Cs mt rel:	K
Case diam:	6	Csdia rel:	K
Year cons:	1910	Yr rel:	E
Agentfirst:	Not Reported	Agentlast:	Not Reported
Created:	Not Reported	Updated:	TALT 05/30/95 09:42:34
Flag:	Not Reported		
Utm x:	569881.06		
Utm y:	4802366.06		
Site id:	IAPR30000006978		

T108
SW
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000006977**

Recordno:	6977	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	22
Qqqqq:	SW SW	Q abc:	CC
Checked:	Not Reported	Ownerfirst:	GRETCHN
Ownerlast:	LAUB	Owneraddr:	205 6TH AVENUE W
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	3195473384
County:	45	Legal:	SWSW22 9911W
Depth:	80	Dpth rel:	K
Permit:	Not Reported	Sampldte:	22-MAY-90
Lab:	Not Reported		
Lab no:	Not Reported		
Anal dte:	30-DEC-99	Smplsrce:	KITCHEN HARD
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	9.19999980926514
Bctcolml:	0	Bact s u:	U
No3r:	Not Reported	No3:	22
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	K
Case mat:	STEEL	Cs mt rel:	K
Case diam:	6	Csdia rel:	K
Year cons:	1910	Yr rel:	E
Agentfirst:	LEE	Agentlast:	PETERSON
Created:	Not Reported	Updated:	TALT 05/30/95 09:40:07
Flag:	YNNNNNNNNNNNNNNNNNN		
Utm x:	569881.06		
Utm y:	4802366.06		
Site id:	IAPR30000006977		

Map ID
Direction
Distance
Elevation

Database | EDR ID Number

T109
SW
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000032865**

Recordno:	32865	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	22
Qqqqq:	SW SW	Q abc:	CC
Checked:	bbierma 07/30/97 12:19:59	Ownerfirst:	PAT
Ownerlast:	AHERN	Owneraddr:	22085 HWY. 9
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	Not Reported
County:	45	Legal:	SWSW22 9911W
Depth:	80	Dpth rel:	Not Reported
Permit:	Not Reported	Sampldte:	22-MAY-90
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	G036156		
Anal dte:	23-MAY-90	Smplsrce:	KITCHEN-HARD
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	0
Bctcolml:	0	Bact s u:	U
No3r:	Not Reported	No3:	22
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	Not Reported
Case mat:	STEEL	Cs mt rel:	Not Reported
Case diam:	6	Csdia rel:	K
Year cons:	1909	Yr rel:	E
Agentfirst:	LEE	Agentlast:	PETERSON
Created:	lbarry 07/29/97 13:11:49	Updated:	bbierma 07/30/97 12:19:59
Flag:	YNNYNNNNNNNNNNNNNNN		
Utm x:	569881.06		
Utm y:	4802366.06		
Site id:	IAPR30000032865		

T110
SW
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000032871**

Recordno:	32871	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	22
Qqqqq:	SW SW	Q abc:	CC
Checked:	bbierma 07/30/97 12:18:41	Ownerfirst:	PAT
Ownerlast:	AHERN	Owneraddr:	22085 HWY. 9
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	Not Reported
County:	45	Legal:	SWSW22 9911W
Depth:	80	Dpth rel:	Not Reported
Permit:	Not Reported	Sampldte:	09-JUN-97
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	G10835		
Anal dte:	12-JUN-97	Smplsrce:	KITCHEN-HARD
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	0
Bctcolml:	0	Bact s u:	S
No3r:	Not Reported	No3:	24
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	Not Reported
Case mat:	STEEL	Cs mt rel:	Not Reported

Case diam:	6	Csdia rel:	K
Year cons:	1909	Yr rel:	E
Agentfirst:	LACINDA	Agentlast:	ALTMAN
Created:	lbarry 07/29/97 13:22:25	Updated:	bbierma 07/30/97 12:18:41
Flag:	YNNYNNNNNNNNNNNNNNN		
Utm x:	569881.06		
Utm y:	4802366.06		
Site id:	IAPR30000032871		

T111
SW
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000032868**

Recordno:	32868	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	22
Qqqqq:	SW SW	Q abc:	CC
Checked:	bbierma 07/30/97 12:18:31	Ownerfirst:	PAT
Ownerlast:	AHERN	Owneraddr:	22085 HWY. 9
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	Not Reported
County:	45	Legal:	SWSW22 9911W
Depth:	80	Dpth rel:	Not Reported
Permit:	Not Reported	Sampldte:	18-JUL-94
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	G001860		
Anal dte:	21-JUL-94	Smplsrce:	KITCHEN-HARD
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	0
Bctcolml:	0	Bact s u:	S
No3r:	Not Reported	No3:	23
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	Not Reported
Case mat:	STEEL	Cs mt rel:	Not Reported
Case diam:	6	Csdia rel:	K
Year cons:	1909	Yr rel:	E
Agentfirst:	ANN	Agentlast:	NOVAK
Created:	lbarry 07/29/97 13:19:47	Updated:	bbierma 07/30/97 12:18:31
Flag:	YNNYNNNNNNNNNNNNNNN		
Utm x:	569881.06		
Utm y:	4802366.06		
Site id:	IAPR30000032868		

T112
SW
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000032867**

Recordno:	32867	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	22
Qqqqq:	SW SW	Q abc:	CC
Checked:	bbierma 07/30/97 12:19:15	Ownerfirst:	PAT
Ownerlast:	AHERN	Owneraddr:	22085 HWY. 9
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	Not Reported
County:	45	Legal:	SWSW22 9911W
Depth:	80	Dpth rel:	Not Reported

Permit:	Not Reported	Sampldte:	11-JUL-94
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	G000948		
Anal dte:	18-JUL-94	Smplsrce:	KITCHEN-HARD
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	0
Bctcolml:	0	Bact s u:	S
No3r:	Not Reported	No3:	22
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	Not Reported
Case mat:	STEEL	Cs mt rel:	Not Reported
Case diam:	6	Csdia rel:	K
Year cons:	1909	Yr rel:	E
Agentfirst:	LEE	Agentlast:	PETERSON
Created:	lbarry 07/29/97 13:19:42	Updated:	bbierma 07/30/97 12:19:15
Flag:	YNNYNNNNNNNNNNNNNNN		
Utm x:	569881.06		
Utm y:	4802366.06		
Site id:	IAPR30000032867		

T113
SW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000182146**

Mapid:	182146	Wellid:	6978
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 22, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	80	C p date:	1910
Owner name:	Laub, Gretchn		
Other info:	Drilling method: Drilled; Known well depth		
Xcoord:	569871.69		
Ycoord:	4802570		
Hlink:	Not Reported		
Site id:	IAPU30000182146		

T114
SW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000182123**

Mapid:	182123	Wellid:	32868
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 22, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	80	C p date:	1909
Owner name:	Ahern, Pat		
Other info:	Drilling method: Drilled;		
Xcoord:	569865.69		
Ycoord:	4802570		
Hlink:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Site id: IAPU30000182123

U115
SSE **IA WELLS** **IAPW30000060019**
1/2 - 1 Mile
Lower

Objectid:	60019	Iwellid:	2182247
Wellnmbr:	2144302	Pmtnmbr:	Not Reported
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	27		
Qqqqq:	NE, NE, NW, NE, NW		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	80		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.368685		
Longitude:	-92.123418		
Dte done:	01-JAN-01		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	Smith, Doug		
Cnstr mthd:	Unknown		
Fm rmk:	Not Reported		
Well use:	Household		
Status:	Inactive		
Ht pmp no:	0		
Permit:	Not Reported	Plugging:	X
Renovate:	Not Reported	Test:	Not Reported
Xcoord:	571020.242083		
Ycoord:	4802131.04094		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	0
Has constr:	0		
Wnumber:	0		
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2144302&reportName=WellPrintout		
Site id:	IAPW30000060019		

U116
SSE **IA WELLS** **IAPU30000183360**
1/2 - 1 Mile
Lower

Mapid:	183360	Wellid:	2144302
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 27, NE, NE, NW, NE, NW
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	80	C p date:	01/01/1901
Owner name:	Smith, Doug		
Other info:	Status: Inactive; Well use: Household		
Xcoord:	571020.242083		
Ycoord:	4802131.04094		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2144302&reportName=WellPrintout		

Site id: IAPU30000183360

V117
SSE
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000183534**

Mapid:	183534	Wellid:	2140635
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 22, SW, SW, SW, SE, SW
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	0	C p date:	Not Reported
Owner name:	Ishman, Bryon		
Other info:	Status: Permitted; Well use: Heat pump		
Xcoord:	571177.976575		
Ycoord:	4802160.00254		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2140635&reportName=WellPrintout		
Site id:	IAPU30000183534		

V118
SSE
1/2 - 1 Mile
Lower

IA WELLS **IAPW30000057479**

Objectid:	57479	Iwellid:	2174060
Wellnmbr:	2140635	Pmtnmbr:	29933
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	22		
Qqqqq:	SW, SW, SW, SE, SW		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	0		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.3689308167		
Longitude:	-92.1214675903		
Dte done:	30-DEC-99		
Cty num:	45		
County:	Howard		
Drlr name:	Enviro-Tec Inc.		
Owner name:	Ishman, Bryon		
Cnstr mthd:	Not Reported		
Fm rmk:	Not Reported		
Well use:	Heat pump		
Status:	Permitted		
Ht pmp no:	5		
Permit:	X	Plugging:	Not Reported
Renovate:	Not Reported	Test:	Not Reported
Xcoord:	571177.976602		
Ycoord:	4802160.00258		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	0

Has constr:	0
Wnumber:	0
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2140635&reportName=WellPrintout
Site id:	IAPW30000057479

119
SSW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000182613**

Mapid:	182613	Wellid:	9167
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 27, NW, NE, --
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	41	C p date:	n.a.
Owner name:	Reicks, Rick		
Other info:	Well plugged: 9/21/1992; Well type: < 18" dia.		
Xcoord:	570273.06		
Ycoord:	4802181		
Hlink:	Not Reported		
Site id:	IAPU30000182613		

120
East
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000184188**

Mapid:	184188	Wellid:	27938
Id src fld:	recordno	Datasrc:	PVTP
Well type:	Permitted private wells	Location:	T. 99 N., R. 11 W., Sec. 23, NW, SE, SE
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	unkn	C p date:	10/18/2000
Owner name:	Lindstrom		
Other info:	Primary use:		
Xcoord:	571981.38		
Ycoord:	4803307.5		
Hlink:	Not Reported		
Site id:	IAPU30000184188		

121
South
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000182931**

Mapid:	182931	Wellid:	41463
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 27, NE, NW, SW
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	80	C p date:	n.a.
Owner name:	Moen, Ron		
Other info:	Well plugged: 4/12/2000; Well type: < 18" dia.		
Xcoord:	570570.88		
Ycoord:	4802079.5		
Hlink:	Not Reported		

Site id: IAPU30000182931

W122
NE
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000183913**

Mapid:	183913	Wellid:	2123025
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 23, NW, NE, NW, NW, NE
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	80	C p date:	01/01/1901
Owner name:	Ladwig, Lillian		
Other info:	Status: Active; Well use: Household		
Xcoord:	571763.571127		
Ycoord:	4803995.40916		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2123025&reportName=WellPrintout		
Site id:	IAPU30000183913		

W123
NE
1/2 - 1 Mile
Lower

IA WELLS **IAPW30000056862**

Objectid:	56862	Iwellid:	2142213
Wellnmbr:	2123025	Pmtnmbr:	Not Reported
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	23		
Qqqqq:	NW, NE, NW, NW, NE		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	80		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.3854		
Longitude:	-92.114		
Dte done:	01-JAN-01		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	Ladwig, Lillian		
Cnstr mthd:	Unknown		
Fm rmk:	Not Reported		
Well use:	Household		
Status:	Active		
Ht pmp no:	0		
Permit:	Not Reported	Plugging:	Not Reported
Renovate:	Not Reported	Test:	X
Xcoord:	571763.571127		
Ycoord:	4803995.40916		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	1

Has constr:	0
Wnumber:	0
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2123025&reportName=WellPrintout
Site id:	IAPW30000056862

X124
WSW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000181785**

Mapid:	181785	Wellid:	2076196
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 21, SW, NE, SW, NE, SE
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	80	C p date:	01/01/1930
Owner name:	Hudecek, Martin		
Other info:	Status: Active; Well use: Household		
Xcoord:	569595.94455		
Ycoord:	4802884.26201		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2076196&reportName=WellPrintout		
Site id:	IAPU30000181785		

X125
WSW
1/2 - 1 Mile
Lower

IA WELLS **IAPW30000000986**

Objectid:	986	Iwellid:	2076858
Wellnmbr:	2076196	Pmtnmbr:	Not Reported
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	21		
Qqqqq:	SW, NE, SW, NE, SE		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	80		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.3756		
Longitude:	-92.1409		
Dte done:	01-JAN-30		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	Jackson, Chad		
Cnstr mthd:	Unknown		
Fm rmk:	Not Reported		
Well use:	Household		
Status:	Active		
Ht pmp no:	0		
Permit:	Not Reported	Plugging:	Not Reported
Renovate:	Not Reported	Test:	X
Xcoord:	569595.94455		
Ycoord:	4802884.26201		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	1

Has constr:	0
Wnumber:	0
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2076196&reportName=WellPrintout
Site id:	IAPW30000000986

Y126
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000184070**

Mapid:	184070	Wellid:	2150043
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 23, SE, SW, NW, NE, SE
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	0	C p date:	Not Reported
Owner name:	Not Reported		
Other info:	Status: Permitted; Well use: Heat pump		
Xcoord:	571809.990591		
Ycoord:	4802547.16446		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2150043&reportName=WellPrintout		
Site id:	IAPU30000184070		

Y127
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPW30000089780**

Objectid:	89780	Iwellid:	2195126
Wellnmbr:	2150043	Pmtnmbr:	33111
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	23		
Qqqqq:	SE, SW, NW, NE, SE		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	0		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.3723564148		
Longitude:	-92.1136169434		
Dte done:	30-DEC-99		
Cty num:	45		
County:	Howard		
Drlr name:	Enviro-Tec Inc.		
Owner name:	,		
Cnstr mthd:	Not Reported		
Fm rmk:	Not Reported		
Well use:	Heat pump		
Status:	Permitted		
Ht pmp no:	66		
Permit:	X	Plugging:	Not Reported
Renovate:	Not Reported	Test:	Not Reported
Xcoord:	571809.99062		
Ycoord:	4802547.16448		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	0

Has constr:	0
Wnumber:	0
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2150043&reportName=WellPrintout
Site id:	IAPW30000089780

Z128
NW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000181965**

Mapid:	181965	Wellid:	7017
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 15, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	340	C p date:	1986
Owner name:	Phillips, Bruce		
Other info:	Drilling method: Drilled; Known well depth		
Xcoord:	569870.88		
Ycoord:	4804194		
Hlink:	Not Reported		
Site id:	IAPU30000181965		

AA129
NW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000181856**

Mapid:	181856	Wellid:	2626
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 15, SW, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	197	C p date:	n.a.
Owner name:	Phillips, Bruce		
Other info:	Well plugged: 6/13/1990; Well type: > 18" dia.		
Xcoord:	569772.69		
Ycoord:	4804090		
Hlink:	Not Reported		
Site id:	IAPU30000181856		

130
South
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000183255**

Mapid:	183255	Wellid:	46082
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 27, , , , , , , NE
County:	Howard	Est loc ac:	Calc. +/- 570m.
Depth:	68	C p date:	n.a.
Owner name:	Gooder, Lee		
Other info:	Well plugged: 4/27/2001; Well type: < 18" dia.		
Xcoord:	570877.88		
Ycoord:	4801984		
Hlink:	Not Reported		

Site id: IAPU30000183255

131
SSE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183819**

Mapid:	183819	Wellid:	730
Id src fld:	recordno	Datasrc:	PVTP
Well type:	Permitted private wells	Location:	T. 99 N., R. 11 W., Sec. 26, NWNW
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	130	C p date:	unkn
Owner name:	Holub, Irvin L		
Other info:	Primary use: Irrigation		
Xcoord:	571488.88		
Ycoord:	4802193.5		
Hlink:	Not Reported		
Site id:	IAPU30000183819		

Z132
NW
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000007017**

Recordno:	7017	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	15
Qqqqq:	SW SW	Q abc:	CC
Checked:	Not Reported	Ownerfirst:	BRUCE
Ownerlast:	PHILLIPS	Owneraddr:	RR 3 BOX 25
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	Not Reported
County:	45	Legal:	SWSW15 9911W
Depth:	340	Dpth rel:	K
Permit:	Not Reported	Sampldte:	11-JUL-94
Lab:	Not Reported		
Lab no:	Not Reported		
Anal dte:	15-JUL-94	Smplsrce:	KITCHEN SINK
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	<	Bact:	2.20000004768372
Bctcolml:	0	Bact s u:	S
No3r:	Not Reported	No3:	42
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	K
Case mat:	STEEL	Cs mt rel:	K
Case diam:	6	Csdia rel:	K
Year cons:	1986	Yr rel:	K
Agentfirst:	ANN	Agentlast:	NOVAK
Created:	Not Reported	Updated:	TALT 05/30/95 11:31:38
Flag:	YNNNNNNNNNNNNNNNNNN		
Utm x:	569878.25		
Utm y:	4803989.25		
Site id:	IAPR30000007017		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

Z133
NW
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000024900**

Recordno:	24900	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	15
Qqqqq:	SW SW	Q abc:	CC
Checked:	jgoodri 04/11/97 12:53:47	Ownerfirst:	DONNA
Ownerlast:	ERNST	Owneraddr:	723 3RD STREET SE
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	3195473375
County:	45	Legal:	SWSW15 9911W
Depth:	160	Dpth rel:	Not Reported
Permit:	Not Reported	Sampldte:	09-APR-91
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	030047		
Anal dte:	10-APR-91	Smplsrce:	HYDRANT
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	<	Bact:	2.20000004768372
Bctcolml:	0	Bact s u:	S
No3r:	Not Reported	No3:	75
No3 s u:	U	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	U
Case mat:	Not Reported	Cs mt rel:	U
Case diam:	0	Csdia rel:	U
Year cons:	1960	Yr rel:	Not Reported
Agentfirst:	Not Reported	Agentlast:	Not Reported
Created:	bbierma 04/10/97 12:05:52	Updated:	jgoodri 04/11/97 12:53:47
Flag:	YNNNNNNNNNNNNNNNNNN		
Utm x:	569878.25		
Utm y:	4803989.25		
Site id:	IAPR30000024900		

Z134
NW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000181971**

Mapid:	181971	Wellid:	24900
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 15, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	160	C p date:	1960
Owner name:	Ernst, Donna		
Other info:	Drilling method: Drilled;		
Xcoord:	569862.88		
Ycoord:	4804203		
Hlink:	Not Reported		
Site id:	IAPU30000181971		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AA135
NW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000181867**

Mapid:	181867	Wellid:	29687
Id src fld:	wnumber	Datasrc:	GEOU
Well type:	IGS well database	Location:	T. 99N., R. 11W., Sec. 15, SW, SW, SW
County:	HOWARD	Est loc ac:	Calc. +/- 140 m.
Depth:	380	C p date:	12/12/1988
Owner name:	PHILLIPS, BRUCE		
Other info:	Bedrock depth: 3; Well type: Private		
Xcoord:	569765.45		
Ycoord:	4804099.75		
Hlink:	http://www.igsb.uiowa.edu/webapps/geosam/Scripts/geocard.asp?wnumber=29687		
Site id:	IAPU30000181867		

X136
WSW
1/2 - 1 Mile
Lower

IA WELLS **IAPW30000000762**

Objectid:	762	Iwellid:	2076874
Wellnmbr:	2076206	Pmtnmbr:	Not Reported
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	21		
Qqqqq:	SW, NE, SW, SE, SW		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	120		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.3747		
Longitude:	-92.1413		
Dte done:	01-JAN-63		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	,		
Cnstr mthd:	Unknown		
Fm rmk:	Not Reported		
Well use:	Commercial		
Status:	Active		
Ht pmp no:	0		
Permit:	Not Reported	Plugging:	Not Reported
Renovate:	Not Reported	Test:	X
Xcoord:	569564.569136		
Ycoord:	4802783.97767		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	1

Has constr:	0
Wnumber:	0
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2076206&reportName=WellPrintout
Site id:	IAPW30000000762

X137
WSW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000181729**

Mapid:	181729	Wellid:	2076206
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 21, SW, NE, SW, SE, SW
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	120	C p date:	01/01/1963
Owner name:	Not Reported		
Other info:	Status: Active; Well use: Commercial		
Xcoord:	569564.569136		
Ycoord:	4802783.97767		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2076206&reportName=WellPrintout		
Site id:	IAPU30000181729		

138
ESE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000184236**

Mapid:	184236	Wellid:	34252
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 23, SW, SE, NE
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	5	C p date:	n.a.
Owner name:	Gosch, David		
Other info:	Well plugged: 6/5/1998; Well type: other		
Xcoord:	571988.38		
Ycoord:	4802721		
Hlink:	Not Reported		
Site id:	IAPU30000184236		

AB139
WSW
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000181638**

Mapid:	181638	Wellid:	54436
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 21, SE, NE
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	100	C p date:	1963
Owner name:	Cargil		
Other info:	Drilling method: Drilled; Estimated well depth		
Xcoord:	569469.69		
Ycoord:	4802978.5		
Hlink:	Not Reported		

Site id: IAPU30000181638

AB140
WSW
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000181594**

Mapid:	181594	Wellid:	24904
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 21, SE, NE
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	100	C p date:	1963
Owner name:	Caigil		
Other info:	Drilling method: Drilled;		
Xcoord:	569465.69		
Ycoord:	4802984.5		
Hlink:	Not Reported		
Site id:	IAPU30000181594		

AB141
WSW
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000181617**

Mapid:	181617	Wellid:	6841
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 21, SE, NE
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	80	C p date:	1930
Owner name:	Hudecek, Martin		
Other info:	Drilling method: Drilled; Known well depth		
Xcoord:	569466.69		
Ycoord:	4802977.5		
Hlink:	Not Reported		
Site id:	IAPU30000181617		

AB142
WSW
1/2 - 1 Mile
Higher

IA WELLS **IAPR30000024904**

Recordno:	24904	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	21
Qqqqq:	SE NE	Q abc:	DA
Checked:	jgoodri 04/11/97 12:44:12	Ownerfirst:	Not Reported
Ownerlast:	CAIGIL	Owneraddr:	BOX 406 RT. 3
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	5473330
County:	45	Legal:	NESE21 9911W
Depth:	100	Dpth rel:	Not Reported

Permit:	Not Reported	Sampldte:	11-JUN-91
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	G037654		
Anal dte:	12-JUN-91	Smplsrce:	HYDRANT
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	0
Bctcolml:	0	Bact s u:	U
No3r:	Not Reported	No3:	26
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	Not Reported
Case mat:	STEEL	Cs mt rel:	Not Reported
Case diam:	6	Csdia rel:	Not Reported
Year cons:	1963	Yr rel:	Not Reported
Agentfirst:	RETA	Agentlast:	BRONNER
Created:	bbierma 04/10/97 12:26:14	Updated:	jgoodri 04/11/97 12:44:12
Flag:	YNNNNYNNNNNNNNNNNNN		
Utm x:	569481.13		
Utm y:	4802768.63		
Site id:	IAPR30000024904		

AB143
WSW
1/2 - 1 Mile
Higher

IA WELLS **IAPR30000006841**

Recordno:	6841	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	21
Qqqqq:	SE NE	Q abc:	DA
Checked:	Not Reported	Ownerfirst:	MARTIN
Ownerlast:	HUDECEK	Owneraddr:	RR 3 BOX 21-A
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	Not Reported
County:	45	Legal:	NESE21 9911W
Depth:	80	Dpth rel:	K
Permit:	Not Reported	Sampldte:	23-AUG-94
Lab:	Not Reported		
Lab no:	Not Reported		
Anal dte:	26-AUG-94	Smplsrce:	KITCHEN FAUCET
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	5.09999990463257
Bctcolml:	0	Bact s u:	U
No3r:	Not Reported	No3:	37
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	Not Reported
Case mat:	STEEL	Cs mt rel:	Not Reported
Case diam:	0	Csdia rel:	Not Reported
Year cons:	1930	Yr rel:	E
Agentfirst:	ANN	Agentlast:	NOVAK
Created:	Not Reported	Updated:	TALT 05/24/95 14:28:04
Flag:	Not Reported		
Utm x:	569481.13		
Utm y:	4802768.63		
Site id:	IAPR30000006841		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database | EDR ID Number

AB144
WSW
1/2 - 1 Mile
Higher

IA WELLS **IAPR30000006840**

Recordno:	6840	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	21
Qqqqq:	SE NE	Q abc:	DA
Checked:	Not Reported	Ownerfirst:	MARTIN
Ownerlast:	HUDECEK	Owneraddr:	RR 3 BOX 21-A
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	Not Reported
County:	45	Legal:	NESE21 9911W
Depth:	80	Dpth rel:	K
Permit:	Not Reported	Sampldte:	29-OCT-91
Lab:	Not Reported		
Lab no:	Not Reported		
Anal dte:	30-DEC-99	Smplsrce:	KITCHEN SOFT
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	<	Bact:	2.20000004768372
Bctcolml:	0	Bact s u:	S
No3r:	Not Reported	No3:	35
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	Not Reported
Case mat:	STEEL	Cs mt rel:	Not Reported
Case diam:	0	Csdia rel:	Not Reported
Year cons:	1930	Yr rel:	E
Agentfirst:	RETA	Agentlast:	BRONNER
Created:	Not Reported	Updated:	TALT 05/24/95 14:26:40
Flag:	Not Reported		
Utm x:	569481.13		
Utm y:	4802768.63		
Site id:	IAPR30000006840		

AB145
WSW
1/2 - 1 Mile
Higher

IA WELLS **IAPR30000054875**

Recordno:	54875	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	21
Qqqqq:	SE NE	Q abc:	DA
Checked:	cpartai 03/30/99 11:18:22	Ownerfirst:	MARTIN
Ownerlast:	HUDECEK	Owneraddr:	RR 3 21-A
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	Not Reported
County:	45	Legal:	NESE21 9911W
Depth:	80	Dpth rel:	K
Permit:	Not Reported	Sampldte:	29-OCT-91
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	G015053		
Anal dte:	31-OCT-91	Smplsrce:	KITCHEN FAUCET
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	0
Bctcolml:	0	Bact s u:	S
No3r:	Not Reported	No3:	35
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	Not Reported
Case mat:	STEEL	Cs mt rel:	Not Reported

Case diam:	0	Csdia rel:	U
Year cons:	1930	Yr rel:	E
Agentfirst:	RETA	Agentlast:	BRONNER
Created:	toehler 03/30/99 10:09:29	Updated:	cpartai 03/30/99 11:18:22
Flag:	YNNNNNNYNNNNNNNNNNNN		
Utm x:	569481.13		
Utm y:	4802768.63		
Site id:	IAPR30000054875		

AB146
WSW
1/2 - 1 Mile
Higher

IA WELLS **IAPR30000054738**

Recordno:	54738	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	21
Qqqqq:	SE NE	Q abc:	DA
Checked:	cpartai 03/26/99 13:34:16	Ownerfirst:	MARTIN
Ownerlast:	HUDECEK	Owneraddr:	RR 3 21-A
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	Not Reported
County:	45	Legal:	NESE21 9911W
Depth:	80	Dpth rel:	K
Permit:	Not Reported	Sampldte:	29-OCT-91
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	G015053		
Anal dte:	31-OCT-91	Smplsrce:	KITCHEN FAUCET
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	0
Bctcolml:	0	Bact s u:	S
No3r:	Not Reported	No3:	35
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	Not Reported
Case mat:	STEEL	Cs mt rel:	Not Reported
Case diam:	0	Csdia rel:	U
Year cons:	1930	Yr rel:	E
Agentfirst:	RETA	Agentlast:	BRONNER
Created:	toehler 03/25/99 15:36:49	Updated:	cpartai 03/26/99 13:34:16
Flag:	YNNNNNNYNNNNNNNNNNNN		
Utm x:	569481.13		
Utm y:	4802768.63		
Site id:	IAPR30000054738		

AB147
WSW
1/2 - 1 Mile
Higher

IA WELLS **IAPR30000054436**

Recordno:	54436	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	21
Qqqqq:	SE NE	Q abc:	DA
Checked:	kwillet 03/24/99 13:35:18	Ownerfirst:	Not Reported
Ownerlast:	CARGIL	Owneraddr:	BOX 406 R#3
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	5473330
County:	45	Legal:	NESE21 9911W
Depth:	100	Dpth rel:	E

Permit:	Not Reported	Sampldte:	11-JUN-91
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	G037654		
Anal dte:	12-JUN-91	Smplsrce:	OUTDOOR TAP
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	0
Bctcolml:	0	Bact s u:	U
No3r:	Not Reported	No3:	26
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	Not Reported
Case mat:	STEEL	Cs mt rel:	Not Reported
Case diam:	6	Csdia rel:	K
Year cons:	1963	Yr rel:	K
Agentfirst:	FRANK	Agentlast:	MCCONNELL
Created:	cpartai 03/23/99 10:32:25	Updated:	kwillet 03/24/99 13:35:18
Flag:	YNNNNNNYNNNNNNNNNNN		
Utm x:	569481.13		
Utm y:	4802768.63		
Site id:	IAPR30000054436		

AB148
WSW
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000181621**

Mapid:	181621	Wellid:	6840
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 21, SE, NE
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	80	C p date:	1930
Owner name:	Hudecek, Martin		
Other info:	Drilling method: Drilled; Known well depth		
Xcoord:	569459.69		
Ycoord:	4802982.5		
Hlink:	Not Reported		
Site id:	IAPU30000181621		

AB149
WSW
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000181587**

Mapid:	181587	Wellid:	54875
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 21, SE, NE
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	80	C p date:	1930
Owner name:	Hudecek, Martin		
Other info:	Drilling method: Drilled; Known well depth		
Xcoord:	569460.69		
Ycoord:	4802977.5		
Hlink:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Site id: IAPU30000181587

AB150
WSW
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000181633**

Mapid:	181633	Wellid:	54738
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 21, SE, NE
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	80	C p date:	1930
Owner name:	Hudecek, Martin		
Other info:	Drilling method: Drilled; Known well depth		
Xcoord:	569457.69		
Ycoord:	4802984.5		
Hlink:	Not Reported		
Site id:	IAPU30000181633		

151
WSW
1/2 - 1 Mile
Lower

FED USGS **USGS40000322608**

Org. Identifier:	USGS-IA		
Formal name:	USGS Iowa Water Science Center		
Monloc Identifier:	USGS-432224092082701		
Monloc name:	099N11W21DDA 16107 1963		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	07060002	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	43.3733013
Longitude:	-92.141	Sourcemap scale:	24000
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	1287.00
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Altimeter		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19631019	Welldepth:	105
Welldepth units:	ft	Wellholedepth:	105
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1963-10-19	60.00	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
AC152 **SW** **1/2 - 1 Mile** **Lower**	**IA WELLS**	**IAPW30000031341**

Objectid:	31341	Iwellid:	2118890
Wellnmbr:	2106516	Pmtnmbr:	Not Reported
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	22		
Qqqqq:	SE, SE, SE, SE, NW		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	80		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.3716		
Longitude:	-92.1396		
Dte done:	01-JAN-10		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	Laub, Gretchen		
Cnstr mthd:	Unknown		
Fm rmk:	Not Reported		
Well use:	Household		
Status:	Active		
Ht pmp no:	0		
Permit:	Not Reported	Plugging:	Not Reported
Renovate:	Not Reported	Test:	X
Xcoord:	569705.839965		
Ycoord:	4802441.12215		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	1
Has constr:	0		
Wnumber:	0		
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2106516&reportName=WellPrintout		
Site id:	IAPW30000031341		

	Database	EDR ID Number
AC153 **SW** **1/2 - 1 Mile** **Lower**	**IA WELLS**	**IAPU30000181938**

Mapid:	181938	Wellid:	2106516
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 22, SE, SE, SE, SE, NW
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	80	C p date:	01/01/1910
Owner name:	Laub, Gretchen		
Other info:	Status: Active; Well use: Household		
Xcoord:	569705.839965		
Ycoord:	4802441.12215		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2106516&reportName=WellPrintout		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Site id: IAPU30000181938

AD154
NNE
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000183364**

Mapid:	183364	Wellid:	2076856
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 15, SW, NE, SW, NE, SW
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	180	C p date:	01/01/1901
Owner name:	Walton, Tim		
Other info:	Status: Active; Well use: Household, Livestock		
Xcoord:	571231.113738		
Ycoord:	4804556.22567		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2076856&reportName=WellPrintout		
Site id:	IAPU30000183364		

AD155
NNE
1/2 - 1 Mile
Lower

IA WELLS **IAPW30000001399**

Objectid:	1399	Iwellid:	2077858
Wellnmbr:	2076856	Pmtnmbr:	Not Reported
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	15		
Qqqqq:	SW, NE, SW, NE, SW		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	180		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.3905		
Longitude:	-92.1205		
Dte done:	01-JAN-01		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	Walton, Tim		
Cnstr mthd:	Unknown		
Fm rmk:	Not Reported		
Well use:	Household, Livestock		
Status:	Active		
Ht pmp no:	0		
Permit:	Not Reported	Plugging:	Not Reported
Renovate:	Not Reported	Test:	X
Xcoord:	571231.113738		
Ycoord:	4804556.22567		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	1

Has constr:	0
Wnumber:	0
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2076856&reportName=WellPrintout
Site id:	IAPW30000001399

AE156
NNE
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000183185**

Mapid:	183185	Wellid:	6998
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 15, SE, NE
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	180	C p date:	unkn
Owner name:	Walton, Tim		
Other info:	Drilling method: Drilled;		
Xcoord:	571052.38		
Ycoord:	4804609.5		
Hlink:	Not Reported		
Site id:	IAPU30000183185		

AE157
NNE
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000183223**

Mapid:	183223	Wellid:	38695
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 15, SE, NE
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	180	C p date:	unkn
Owner name:	Walton, Tim		
Other info:	Drilling method: Drilled;		
Xcoord:	571053.38		
Ycoord:	4804616.5		
Hlink:	Not Reported		
Site id:	IAPU30000183223		

AE158
NNE
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000006997**

Recordno:	6997	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	15
Qqqqq:	SE NE	Q abc:	DA
Checked:	Not Reported	Ownerfirst:	TIM
Ownerlast:	WALTON	Owneraddr:	RR 2
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	Not Reported
County:	45	Legal:	NESE15 9911W
Depth:	180	Dpth rel:	Not Reported

Permit:	Not Reported	Sampldte:	21-OCT-91
Lab:	Not Reported		
Lab no:	Not Reported		
Anal dte:	30-DEC-99	Smplsrce:	KITCHEN HARD
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	<	Bact:	2.20000004768372
Bctcolml:	0	Bact s u:	S
No3r:	NR	No3:	0
No3 s u:	Not Reported	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	Not Reported
Case mat:	STEEL	Cs mt rel:	Not Reported
Case diam:	6	Csdia rel:	Not Reported
Year cons:	0	Yr rel:	Not Reported
Agentfirst:	RETA	Agentlast:	BRONNER
Created:	Not Reported	Updated:	TALT 05/30/95 10:39:29
Flag:	Not Reported		
Utm x:	571067.75		
Utm y:	4804406		
Site id:	IAPR30000006997		

AE159
NNE
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000006998**

Recordno:	6998	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	15
Qqqqq:	SE NE	Q abc:	DA
Checked:	Not Reported	Ownerfirst:	TIM
Ownerlast:	WALTON	Owneraddr:	RR 2
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	Not Reported
County:	45	Legal:	NESE15 9911W
Depth:	180	Dpth rel:	Not Reported
Permit:	Not Reported	Sampldte:	11-JUL-94
Lab:	Not Reported		
Lab no:	Not Reported		
Anal dte:	18-JUL-94	Smplsrce:	KITCHEN SINK
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	2.20000004768372
Bctcolml:	0	Bact s u:	U
No3r:	<	No3:	1
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	Not Reported
Case mat:	STEEL	Cs mt rel:	Not Reported
Case diam:	6	Csdia rel:	Not Reported
Year cons:	0	Yr rel:	Not Reported
Agentfirst:	ANN	Agentlast:	NOVAK
Created:	Not Reported	Updated:	TALT 05/30/95 10:40:51
Flag:	Not Reported		
Utm x:	571067.75		
Utm y:	4804406		
Site id:	IAPR30000006998		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database | EDR ID Number

AE160
NNE
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000038695**

Recordno:	38695	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	15
Qqqqq:	SE NE	Q abc:	DA
Checked:	kwillet 11/25/97 13:19:39	Ownerfirst:	TIM
Ownerlast:	WALTON	Owneraddr:	RR1
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	Not Reported
County:	45	Legal:	NESE15 9911W
Depth:	180	Dpth rel:	Not Reported
Permit:	Not Reported	Sampldte:	11-AUG-97
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	G16739		
Anal dte:	15-AUG-97	Smplsrce:	KITCHEN SINK
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	0
Bctcolml:	0	Bact s u:	S
No3r:	<	No3:	1
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	Not Reported
Case mat:	STEEL	Cs mt rel:	Not Reported
Case diam:	6	Csdia rel:	K
Year cons:	0	Yr rel:	U
Agentfirst:	LACINDA	Agentlast:	ALTMAN
Created:	esmith 11/25/97 12:40:10	Updated:	kwillet 11/25/97 13:19:39
Flag:	YNNNNNNNNNNNNNNNNNN		
Utm x:	571067.75		
Utm y:	4804406		
Site id:	IAPR30000038695		

AE161
NNE
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000183191**

Mapid:	183191	Wellid:	6997
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 15, SE, NE
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	180	C p date:	unkn
Owner name:	Walton, Tim		
Other info:	Drilling method: Drilled;		
Xcoord:	571049.38		
Ycoord:	4804620.5		
Hlink:	Not Reported		
Site id:	IAPU30000183191		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AF162
WNW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000181539**

Mapid:	181539	Wellid:	7011
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 21, NE, NE
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	96	C p date:	1965
Owner name:	Hove, Marion		
Other info:	Drilling method: Drilled; Well depth is uncertain		
Xcoord:	569471.69		
Ycoord:	4803785		
Hlink:	Not Reported		
Site id:	IAPU30000181539		

AC163
SW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000181836**

Mapid:	181836	Wellid:	2130620
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 21, SW, SW, SW, SW, NE
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	107	C p date:	04/20/1977
Owner name:	Not Reported		
Other info:	Status: Active; Well use: Commercial		
Xcoord:	569640.912755		
Ycoord:	4802451.55966		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2130620&reportName=WellPrintout		
Site id:	IAPU30000181836		

AC164
SW
1/2 - 1 Mile
Lower

IA WELLS **IAPW30000067231**

Objectid:	67231	Iwellid:	2153031
Wellnmbr:	2130620	Pmtnmbr:	Not Reported
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	21		
Qqqqq:	SW, SW, SW, SW, NE		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	107		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.3717		
Longitude:	-92.1404		
Dte done:	20-APR-77		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	Not Reported		
Cnstr mthd:	Cable Tool Drill -Driven		

Fm rmk:	Not Reported		
Well use:	Commercial		
Status:	Active		
Ht pmp no:	0		
Permit:	Not Reported	Plugging:	Not Reported
Renovate:	Not Reported	Test:	X
Xcoord:	569640.912755		
Ycoord:	4802451.55966		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	1
Has constr:	0		
Wnumber:	0		
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2130620&reportName=WellPrintout		
Site id:	IAPW30000067231		

AF165
WNW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000181523**

Mapid:	181523	Wellid:	32881
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 21, NE, NE
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	96	C p date:	1965
Owner name:	Hove, Marion		
Other info:	Drilling method: Drilled; Well depth is uncertain		
Xcoord:	569465.69		
Ycoord:	4803786		
Hlink:	Not Reported		
Site id:	IAPU30000181523		

AF166
WNW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000181512**

Mapid:	181512	Wellid:	9356
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 21, NE, NE
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	96	C p date:	1965
Owner name:	Hove, Marion		
Other info:	Drilling method: Drilled; Estimated well depth		
Xcoord:	569463.69		
Ycoord:	4803783		
Hlink:	Not Reported		
Site id:	IAPU30000181512		

AF167
WNW
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000009329**

Recordno:	9329	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	21
Qqqqq:	NE NE	Q abc:	AA
Checked:	ehuffma 07/29/97 13:50:40	Ownerfirst:	MARION
Ownerlast:	HOVE	Owneraddr:	RR3 BOX 22
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	Not Reported
County:	45	Legal:	NENE21 9911W
Depth:	96	Dpth rel:	E
Permit:	Not Reported	Sampldte:	27-FEB-95
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	G003975		
Anal dte:	02-MAR-95	Smplsrce:	KIT SINK
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	<	Bact:	2.20000004768372
Bctcolml:	0	Bact s u:	S
No3r:	NR	No3:	0
No3 s u:	Not Reported	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	K
Case mat:	STEEL	Cs mt rel:	K
Case diam:	6	Csdia rel:	K
Year cons:	1965	Yr rel:	K
Agentfirst:	ANN	Agentlast:	NOVAK
Created:	Not Reported	Updated:	ehuffma 07/29/97 13:50:40
Flag:	YNNNNNNNNNNNNNNNNNN		
Utm x:	569480.06		
Utm y:	4803580.31		
Site id:	IAPR30000009329		

AF168
WNW
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000007012**

Recordno:	7012	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	21
Qqqqq:	NE NE	Q abc:	AA
Checked:	ehuffma 07/29/97 13:47:32	Ownerfirst:	MARION
Ownerlast:	HOVE	Owneraddr:	RR 3 BOX 22
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	Not Reported
County:	45	Legal:	NENE21 9911W
Depth:	96	Dpth rel:	U
Permit:	Not Reported	Sampldte:	11-JUL-94
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	G000942		
Anal dte:	15-JUL-94	Smplsrce:	KITCHEN SINK
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	2.20000004768372
Bctcolml:	0	Bact s u:	U
No3r:	Not Reported	No3:	4
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	K
Case mat:	STEEL	Cs mt rel:	K

Case diam:	6	Csdia rel:	K
Year cons:	1965	Yr rel:	K
Agentfirst:	ANN	Agentlast:	NOVAK
Created:	Not Reported	Updated:	ehuffma 07/29/97 13:47:32
Flag:	YNNNNNNNNNNNNNNNNNNN		
Utm x:	569480.06		
Utm y:	4803580.31		
Site id:	IAPR30000007012		

AF169
WNW
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000007011**

Recordno:	7011	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	21
Qqqqq:	NE NE	Q abc:	AA
Checked:	ehuffma 07/29/97 13:46:38	Ownerfirst:	MARION
Ownerlast:	HOVE	Owneraddr:	RR 3 BOX 22
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	Not Reported
County:	45	Legal:	NENE21 9911W
Depth:	96	Dpth rel:	U
Permit:	Not Reported	Sampldte:	29-OCT-91
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	G015052		
Anal dte:	30-DEC-99	Smplsrce:	KITCHEN HARD
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	<	Bact:	2.20000004768372
Bctcolml:	0	Bact s u:	S
No3r:	Not Reported	No3:	5
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	K
Case mat:	STEEL	Cs mt rel:	K
Case diam:	6	Csdia rel:	K
Year cons:	1965	Yr rel:	K
Agentfirst:	RETA	Agentlast:	BRONNER
Created:	Not Reported	Updated:	ehuffma 07/29/97 13:46:38
Flag:	YNNNNNNNNNNNNNNNNNNN		
Utm x:	569480.06		
Utm y:	4803580.31		
Site id:	IAPR30000007011		

AF170
WNW
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000009356**

Recordno:	9356	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	21
Qqqqq:	NE NE	Q abc:	AA
Checked:	ehuffma 07/29/97 13:49:18	Ownerfirst:	MARION
Ownerlast:	HOVE	Owneraddr:	RR3 BOX 2
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	Not Reported
County:	45	Legal:	NENE21 9911W
Depth:	96	Dpth rel:	E

Permit:	Not Reported	Sampldte:	07-FEB-95
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	G002757		
Anal dte:	10-FEB-95	Smplsrce:	KIT SINK
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	16
Bctcolml:	0	Bact s u:	U
No3r:	NR	No3:	0
No3 s u:	Not Reported	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	K
Case mat:	STEEL	Cs mt rel:	K
Case diam:	6	Csdia rel:	K
Year cons:	1965	Yr rel:	K
Agentfirst:	Not Reported	Agentlast:	Not Reported
Created:	Not Reported	Updated:	ehuffma 07/29/97 13:49:18
Flag:	YNNNNNNNNNNNNNNNNNN		
Utm x:	569480.06		
Utm y:	4803580.31		
Site id:	IAPR30000009356		

AF171
WNW
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000054732**

Recordno:	54732	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	21
Qqqqq:	NE NE	Q abc:	AA
Checked:	cpartai 03/25/99 16:02:57	Ownerfirst:	MARION
Ownerlast:	HOVE	Owneraddr:	RR 3 BOX 22
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	Not Reported
County:	45	Legal:	NENE21 9911W
Depth:	0	Dpth rel:	U
Permit:	Not Reported	Sampldte:	29-OCT-91
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	G015052		
Anal dte:	31-OCT-91	Smplsrce:	KITCHEN FAUCET
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	0
Bctcolml:	0	Bact s u:	S
No3r:	Not Reported	No3:	5
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	Not Reported
Case mat:	STEEL	Cs mt rel:	Not Reported
Case diam:	6	Csdia rel:	K
Year cons:	1965	Yr rel:	K
Agentfirst:	RETA	Agentlast:	BRONNER
Created:	toehler 03/25/99 15:26:25	Updated:	cpartai 03/25/99 16:02:57
Flag:	YNNNNNNYNNNNNNNNNNN		
Utm x:	569480.06		
Utm y:	4803580.31		
Site id:	IAPR30000054732		

Map ID
Direction
Distance
Elevation

Database | EDR ID Number

AF172
WNW
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000049068**

Recordno:	49068	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	21
Qqqqq:	NE NE	Q abc:	AA
Checked:	esmith 11/24/98 15:38:26	Ownerfirst:	MARION
Ownerlast:	HOVE	Owneraddr:	9449 VALLEY AVE.
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	Not Reported
County:	45	Legal:	NENE21 9911W
Depth:	96	Dpth rel:	K
Permit:	Not Reported	Sampldte:	03-AUG-98
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	G16565		
Anal dte:	06-AUG-98	Smplsrce:	KITCHEN SINK
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	2.20000004768372
Bctcolml:	0	Bact s u:	U
No3r:	Not Reported	No3:	4
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	K
Case mat:	STEEL	Cs mt rel:	K
Case diam:	6	Csdia rel:	K
Year cons:	1965	Yr rel:	K
Agentfirst:	LACINDA	Agentlast:	ALTMAN
Created:	esmith 10/30/98 10:54:28	Updated:	esmith 11/24/98 15:38:26
Flag:	YNNNNYNNNNNNNNNNNNN		
Utm x:	569480.06		
Utm y:	4803580.31		
Site id:	IAPR30000049068		

AF173
WNW
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000032881**

Recordno:	32881	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	21
Qqqqq:	NE NE	Q abc:	AA
Checked:	bbierma 07/30/97 10:52:32	Ownerfirst:	MARION
Ownerlast:	HOVE	Owneraddr:	RR 3 BOX 22
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	Not Reported
County:	45	Legal:	NENE21 9911W
Depth:	96	Dpth rel:	U
Permit:	Not Reported	Sampldte:	19-MAY-97
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	G9260		
Anal dte:	22-MAY-97	Smplsrce:	KITCHEN SINK
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	2.20000004768372
Bctcolml:	0	Bact s u:	S
No3r:	Not Reported	No3:	6
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	K
Case mat:	STEEL	Cs mt rel:	K

Case diam:	6	Csdia rel:	K
Year cons:	1965	Yr rel:	K
Agentfirst:	LACINDA	Agentlast:	ALTMAN
Created:	ehuffma 07/29/97 13:50:53	Updated:	bbierma 07/30/97 10:52:32
Flag:	YNNNNYNNNNNNNNNNNNN		
Utm x:	569480.06		
Utm y:	4803580.31		
Site id:	IAPR30000032881		

AF174
WNW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000181552**

Mapid:	181552	Wellid:	9329
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 21, NE, NE
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	96	C p date:	1965
Owner name:	Hove, Marion		
Other info:	Drilling method: Drilled; Estimated well depth		
Xcoord:	569461.69		
Ycoord:	4803790		
Hlink:	Not Reported		
Site id:	IAPU30000181552		

AF175
WNW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000181549**

Mapid:	181549	Wellid:	7012
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 21, NE, NE
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	96	C p date:	1965
Owner name:	Hove, Marion		
Other info:	Drilling method: Drilled; Well depth is uncertain		
Xcoord:	569457.69		
Ycoord:	4803787		
Hlink:	Not Reported		
Site id:	IAPU30000181549		

AF176
WNW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000181537**

Mapid:	181537	Wellid:	54732
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 21, NE, NE
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	unkn	C p date:	1965
Owner name:	Hove, Marion		
Other info:	Drilling method: Drilled; Well depth is uncertain		
Xcoord:	569457.69		
Ycoord:	4803790		
Hlink:	Not Reported		

Site id: IAPU30000181537

AF177
WNW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000181543**

Mapid:	181543	Wellid:	49068
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 21, NE, NE
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	96	C p date:	1965
Owner name:	Hove, Marion		
Other info:	Drilling method: Drilled; Known well depth		
Xcoord:	569456.69		
Ycoord:	4803792		
Hlink:	Not Reported		
Site id:	IAPU30000181543		

AG178
SW
1/2 - 1 Mile
Lower

IA WELLS **IAPW30000052994**

Objectid:	52994	Iwellid:	2160849
Wellnmbr:	2134283	Pmtnmbr:	27955
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	22		
Qqqqq:	SE, SE, SE, NW, SE		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	396		
Br depth:	0		
Wtr depth:	103		
Latitude:	43.3703460693		
Longitude:	-92.1393661499		
Dte done:	06-MAY-08		
Cty num:	45		
County:	Howard		
Drlr name:	Shawver Well Co.		
Owner name:	Not Reported		
Cnstr mthd:	Rotary Drill		
Fm rmk:	Not Reported		
Well use:	Commercial		
Status:	Active		
Ht pmp no:	0		
Permit:	X	Plugging:	Not Reported
Renovate:	Not Reported	Test:	X
Xcoord:	569726.222114		
Ycoord:	4802302.06068		
Horiz acc:	Not Reported	Has litho:	1
Has prod:	1	Has wq:	1

Has constr:	1
Wnumber:	64910
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2134283&reportName=WellPrintout
Site id:	IAPW30000052994

AG179
SW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000182001**

Mapid:	182001	Wellid:	2134283
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 22, SE, SE, SE, NW, SE
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	396	C p date:	05/06/2008
Owner name:	Not Reported		
Other info:	Status: Active; Well use: Commercial		
Xcoord:	569726.222122		
Ycoord:	4802302.06072		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2134283&reportName=WellPrintout		
Site id:	IAPU30000182001		

AH180
SSE
1/2 - 1 Mile
Higher

IA WELLS **IAPW30000005292**

Objectid:	5292	Iwellid:	2084655
Wellnmbr:	2081930	Pmtnmbr:	11894
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	26		
Qqqqq:	NW, NW, SW, SE, NE		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	0		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.3682		
Longitude:	-92.1165		
Dte done:	30-DEC-99		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	Sobolik, Troy		
Cnstr mthd:	Not Reported		
Fm rmk:	Not Reported		
Well use:	Heat pump		
Status:	Retired		
Ht pmp no:	1		
Permit:	X	Plugging:	Not Reported
Renovate:	Not Reported	Test:	Not Reported
Xcoord:	571581.308013		
Ycoord:	4802083.09083		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	0

Has constr:	0
Wnumber:	0
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2081930&reportName=WellPrintout
Site id:	IAPW30000005292

AI181
NE
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000184003**

Mapid:	184003	Wellid:	26430
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 14, SW, SE
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	unkn	C p date:	1960
Owner name:	Laub-novak, Karen		
Other info:	Drilling method: Drilled; Well depth is uncertain		
Xcoord:	571864.56		
Ycoord:	4804212.5		
Hlink:	Not Reported		
Site id:	IAPU30000184003		

AH182
SSE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183904**

Mapid:	183904	Wellid:	2081930
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 26, NW, NW, SW, SE, NE
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	0	C p date:	Not Reported
Owner name:	Sobolik, Troy		
Other info:	Status: Retired; Well use: Heat pump		
Xcoord:	571581.308013		
Ycoord:	4802083.09083		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2081930&reportName=WellPrintout		
Site id:	IAPU30000183904		

183
WSW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000181780**

Mapid:	181780	Wellid:	16107
Id src fld:	wnumber	Datasrc:	GEOU
Well type:	IGS well database	Location:	T. 99N., R. 11W., Sec. 21, SE, SE, NE
County:	HOWARD	Est loc ac:	Calc. +/- 140 m.
Depth:	105	C p date:	10/19/1963
Owner name:	CRESCO PELLET PLANT		
Other info:	Bedrock depth: 5; Well type: Commercial		
Xcoord:	569581.06		
Ycoord:	4802464.31		
Hlink:	http://www.igsb.uiowa.edu/webapps/geosam/Scripts/geocard.asp?wnumber=16107		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Site id: IAPU30000181780

AI184
NE
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000026430**

Recordno:	26430	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	14
Qqqqq:	SW SE	Q abc:	CD
Checked:	lmcmull 05/19/97 14:18:44	Ownerfirst:	KAREN
Ownerlast:	LAUB-NOVAK	Owneraddr:	3211 NORTHAMPTON ST NW
Ownercity:	WASHINGTON	Ownerst:	DC
Ownerzip:	20015	Ownerphone:	9669990
County:	45	Legal:	SESW14 9911W
Depth:	0	Dpth rel:	U
Permit:	Not Reported	Sampldte:	22-MAY-90
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	036157		
Anal dte:	30-DEC-99	Smplsrce:	WELL HOUSE FAUCET
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	0
Bctcolml:	0	Bact s u:	S
No3r:	Not Reported	No3:	29
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	Not Reported
Case mat:	STEEL	Cs mt rel:	Not Reported
Case diam:	6	Csdia rel:	Not Reported
Year cons:	1960	Yr rel:	Not Reported
Agentfirst:	LEE	Agentlast:	PETERSON
Created:	pheesch 05/14/97 14:02:59	Updated:	lmcmull 05/19/97 14:18:44
Flag:	YNNNNNNNNNNNNNNNNNN		
Utm x:	571880		
Utm y:	4804009		
Site id:	IAPR30000026430		

185
SSE
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000183548**

Mapid:	183548	Wellid:	27865
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 27, NE, SE, NE
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	unkn	C p date:	n.a.
Owner name:	Smith, Doug and Linda		
Other info:	Well plugged: 5/29/1997; Well type: other		
Xcoord:	571183.88		
Ycoord:	4801885		
Hlink:	Not Reported		

Site id: IAPU30000183548

AJ186
NW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000181632**

Mapid:	181632	Wellid:	79
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 16, SE, SE, SE
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	39	C p date:	n.a.
Owner name:	Phillips, Richard		
Other info:	Well plugged: 11/8/1989; Well type: < 18" dia.		
Xcoord:	569563.19		
Ycoord:	4804091		
Hlink:	Not Reported		
Site id:	IAPU30000181632		

AJ187
NW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000181611**

Mapid:	181611	Wellid:	82369
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 16, SE, SE, SE
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	300	C p date:	1967
Owner name:	Phillips, Richard		
Other info:	Drilling method: Drilled; Known well depth		
Xcoord:	569568.19		
Ycoord:	4804103		
Hlink:	Not Reported		
Site id:	IAPU30000181611		

AJ188
NW
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000082369**

Recordno:	82369	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	16
Qqqqq:	SE SE SE	Q abc:	DDD
Checked:	mwillia 06/13/01 11:53:37	Ownerfirst:	RICHARD
Ownerlast:	PHILLIPS	Owneraddr:	21925 90TH ST
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	Not Reported
County:	45	Legal:	SESESE16 9911W
Depth:	300	Dpth rel:	K

Permit:	Not Reported	Sampldte:	27-MAR-01
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	Not Reported		
Anal dte:	30-DEC-99	Smplsrce:	KITCHEN FAUCET
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	0
Bctcolml:	0	Bact s u:	S
No3r:	Not Reported	No3:	2
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	Not Reported
Case mat:	PLASTIC	Cs mt rel:	Not Reported
Case diam:	5	Csdia rel:	K
Year cons:	1967	Yr rel:	K
Agentfirst:	Not Reported	Agentlast:	Not Reported
Created:	mwillia 06/11/01 14:01:20	Updated:	mwillia 06/13/01 11:53:37
Flag:	YYNNYYNNNYYNNNNNNNNN		
Utm x:	569578.63		
Utm y:	4803884.38		
Site id:	IAPR30000082369		

AK189
WSW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000181669**

Mapid:	181669	Wellid:	53837
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 21, SE, SE
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	90	C p date:	1975
Owner name:	MacKenburg, Dale		
Other info:	Drilling method: Drilled; Known well depth		
Xcoord:	569475.44		
Ycoord:	4802583		
Hlink:	Not Reported		
Site id:	IAPU30000181669		

AL190
ESE
1/2 - 1 Mile
Higher

IA WELLS **IAPW30000033611**

Objectid:	33611	Iwellid:	2121672
Wellnmbr:	2108462	Pmtnmbr:	19275
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	23		
Qqqqq:	SW, SE, NW, SE, SE		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	150		

Br depth:	0		
Wtr depth:	0		
Latitude:	43.373		
Longitude:	-92.11		
Dte done:	18-APR-05		
Cty num:	45		
County:	Howard		
Drlr name:	Enviro-Tec Inc.		
Owner name:	Gast, Bill		
Cnstr mthd:	Auger, Bored or Bucket		
Fm rmk:	Not Reported		
Well use:	Heat pump		
Status:	Active		
Ht pmp no:	4		
Permit:	X	Plugging:	Not Reported
Renovate:	Not Reported	Test:	Not Reported
Xcoord:	572102.254769		
Ycoord:	4802621.75841		
Horiz acc:	Not Reported	Has litho:	1
Has prod:	0	Has wq:	0
Has constr:	0		
Wnumber:	0		
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2108462&reportName=WellPrintout		
Site id:	IAPW30000033611		

AL191
ESE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000184352**

Mapid:	184352	Wellid:	2108462
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 23, SW, SE, NW, SE, SE
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	150	C p date:	04/18/2005
Owner name:	Gast, Bill		
Other info:	Status: Active; Well use: Heat pump		
Xcoord:	572102.254769		
Ycoord:	4802621.75841		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2108462&reportName=WellPrintout		
Site id:	IAPU30000184352		

AG192
SW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000181930**

Mapid:	181930	Wellid:	2134012
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 22, SE, SE, SE, SE, NW
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	75	C p date:	01/01/1901
Owner name:	Not Reported		
Other info:	Status: Inactive; Well use: Livestock		
Xcoord:	569688.249629		
Ycoord:	4802269.0074		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2134012&reportName=WellPrintout		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Site id: IAPU30000181930

AG193
SW
1/2 - 1 Mile
Lower

IA WELLS **IAPW30000052318**

Objectid:	52318	Iwellid:	2159814
Wellnmbr:	2134012	Pmtnmbr:	Not Reported
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	22		
Qqqqq:	SE, SE, SE, SE, NW		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	75		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.370052		
Longitude:	-92.139839		
Dte done:	01-JAN-01		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	Not Reported		
Cnstr mthd:	Unknown		
Fm rmk:	Not Reported		
Well use:	Livestock		
Status:	Inactive		
Ht pmp no:	0		
Permit:	Not Reported	Plugging:	X
Renovate:	Not Reported	Test:	Not Reported
Xcoord:	569688.249629		
Ycoord:	4802269.0074		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	0
Has constr:	0		
Wnumber:	0		
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2134012&reportName=WellPrintout		
Site id:	IAPW30000052318		

AL194
ESE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000184339**

Mapid:	184339	Wellid:	2123351
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 23, SW, SE, SE, NW, NW
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	53	C p date:	01/01/1901
Owner name:	Murphy, Don		
Other info:	Status: Plugged; Well use: Household		
Xcoord:	572086.407295		
Ycoord:	4802588.26866		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2123351&reportName=WellPrintout		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Site id: IAPU30000184339

AL195
ESE
1/2 - 1 Mile
Higher

IA WELLS **IAPW30000046277**

Objectid:	46277	Iwellid:	2142698
Wellnmbr:	2123351	Pmtnmbr:	Not Reported
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	23		
Qqqqq:	SW, SE, SE, NW, NW		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	53		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.3727		
Longitude:	-92.1102		
Dte done:	01-JAN-01		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	Murphy, Don		
Cnstr mthd:	Unknown		
Fm rmk:	Not Reported		
Well use:	Household		
Status:	Plugged		
Ht pmp no:	0		
Permit:	Not Reported	Plugging:	X
Renovate:	Not Reported	Test:	Not Reported
Xcoord:	572086.407295		
Ycoord:	4802588.26866		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	0
Has constr:	0		
Wnumber:	0		
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2123351&reportName=WellPrintout		
Site id:	IAPW30000046277		

AK196
WSW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000181672**

Mapid:	181672	Wellid:	26419
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 21, SE, SE
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	unkn	C p date:	1975
Owner name:	MacKenburg, Dale		
Other info:	Drilling method: Drilled; Well depth is uncertain		
Xcoord:	569464.44		
Ycoord:	4802582		
Hlink:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Site id: IAPU30000181672

AJ197
WNW
1/2 - 1 Mile
Lower

IA WELLS **IAPW30000000813**

Objectid:	813	Iwellid:	2077240
Wellnmbr:	2076431	Pmtnmbr:	Not Reported
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	16		
Qqqqq:	SW, SW, SW, SE, NE		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	300		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.3861		
Longitude:	-92.1418		
Dte done:	01-JAN-67		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	Phillips, Richard		
Cnstr mthd:	Unknown		
Fm rmk:	Not Reported		
Well use:	Household, Livestock		
Status:	Active		
Ht pmp no:	0		
Permit:	Not Reported	Plugging:	Not Reported
Renovate:	Not Reported	Test:	X
Xcoord:	569511.037483		
Ycoord:	4804049.60424		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	1
Has constr:	0		
Wnumber:	0		
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2076431&reportName=WellPrintout		
Site id:	IAPW30000000813		

AJ198
WNW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000181557**

Mapid:	181557	Wellid:	2076431
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 16, SW, SW, SW, SE, NE
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	300	C p date:	01/01/1967
Owner name:	Phillips, Richard		
Other info:	Status: Active; Well use: Household, Livestock		
Xcoord:	569511.037483		
Ycoord:	4804049.60424		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2076431&reportName=WellPrintout		

Site id: IAPU30000181557

AG199
SW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000181928**

Mapid:	181928	Wellid:	2135017
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 22, SE, SE, SE, SE, NW
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	21	C p date:	01/01/1901
Owner name:	Not Reported		
Other info:	Status: Inactive; Well use: Household		
Xcoord:	569688.209831		
Ycoord:	4802265.00854		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2135017&reportName=WellPrintout		
Site id:	IAPU30000181928		

AG200
SW
1/2 - 1 Mile
Lower

IA WELLS **IAPW30000052864**

Objectid:	52864	Iwellid:	2161969
Wellnmbr:	2135017	Pmtnmbr:	Not Reported
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	22		
Qqqqq:	SE, SE, SE, SE, NW		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	21		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.370016		
Longitude:	-92.13984		
Dte done:	01-JAN-01		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	Not Reported		
Cnstr mthd:	Unknown		
Fm rmk:	Not Reported		
Well use:	Household		
Status:	Inactive		
Ht pmp no:	0		
Permit:	Not Reported	Plugging:	X
Renovate:	Not Reported	Test:	Not Reported
Xcoord:	569688.209831		
Ycoord:	4802265.00854		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	0

Has constr:	0
Wnumber:	0
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2135017&reportName=WellPrintout
Site id:	IAPW30000052864

AK201
WSW
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000026419**

Recordno:	26419	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	21
Qqqqq:	SE SE	Q abc:	DD
Checked:	lmcmull 05/19/97 14:10:03	Ownerfirst:	DALE
Ownerlast:	MACKENBURG	Owneraddr:	139 B
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	3195474687
County:	45	Legal:	SESE21 9911W
Depth:	0	Dpth rel:	U
Permit:	Not Reported	Sampldte:	22-MAY-90
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	G036238		
Anal dte:	30-DEC-99	Smplsrce:	DRINKING FAUCET
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	0
Bctcolml:	0	Bact s u:	S
No3r:	Not Reported	No3:	25
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	Not Reported
Case mat:	STEEL	Cs mt rel:	Not Reported
Case diam:	7	Csdia rel:	Not Reported
Year cons:	1975	Yr rel:	Not Reported
Agentfirst:	LEE	Agentlast:	PETERSON
Created:	pheesch 05/14/97 13:14:31	Updated:	lmcmull 05/19/97 14:10:03
Flag:	YNNNNYNNNNNNNNNNNNN		
Utm x:	569480.88		
Utm y:	4802362.13		
Site id:	IAPR30000026419		

AK202
WSW
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000053837**

Recordno:	53837	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	21
Qqqqq:	SE SE	Q abc:	DD
Checked:	cpartai 03/31/99 15:43:25	Ownerfirst:	DALE
Ownerlast:	MACKENBURG	Owneraddr:	139 B
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	3195474687
County:	45	Legal:	SESE21 9911W
Depth:	90	Dpth rel:	K

Permit:	Not Reported	Sampldte:	24-JUL-95
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	G016781		
Anal dte:	27-JUL-95	Smplsrce:	DRINKING FAUCET
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	0
Bctcolml:	0	Bact s u:	S
No3r:	Not Reported	No3:	26
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	Not Reported
Case mat:	STEEL	Cs mt rel:	Not Reported
Case diam:	7	Csdia rel:	Not Reported
Year cons:	1975	Yr rel:	Not Reported
Agentfirst:	ANN	Agentlast:	NOVAK
Created:	lweyns 03/05/99 15:31:46	Updated:	cpartai 03/31/99 15:43:25
Flag:	YNNNNYNYNNNNNNNNNNN		
Utm x:	569480.88		
Utm y:	4802362.13		
Site id:	IAPR30000053837		

AK203
WSW
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000061640**

Recordno:	61640	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	21
Qqqqq:	SE SE	Q abc:	DD
Checked:	cpartai 02/11/00 13:40:37	Ownerfirst:	DALE
Ownerlast:	MACKENBURG	Owneraddr:	139 B
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	3195474687
County:	45	Legal:	SESE21 9911W
Depth:	90	Dpth rel:	K
Permit:	Not Reported	Sampldte:	20-SEP-99
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	G22215		
Anal dte:	23-SEP-99	Smplsrce:	BATHROOM
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	0
Bctcolml:	0	Bact s u:	S
No3r:	Not Reported	No3:	25
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	Not Reported
Case mat:	STEEL	Cs mt rel:	Not Reported
Case diam:	7	Csdia rel:	Not Reported
Year cons:	1975	Yr rel:	Not Reported
Agentfirst:	LACINDA	Agentlast:	ALTMAN
Created:	nreimer 02/11/00 11:20:54	Updated:	cpartai 02/11/00 13:40:37
Flag:	YNNNNYNYNNNNNNNNNNN		
Utm x:	569480.88		
Utm y:	4802362.13		
Site id:	IAPR30000061640		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
AK204 **WSW** **1/2 - 1 Mile** **Lower**	**IA WELLS**	**IAPU30000181663**

Mapid:	181663	Wellid:	61640
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 21, SE, SE
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	90	C p date:	1975
Owner name:	MacKenburg, Dale		
Other info:	Drilling method: Drilled; Known well depth		
Xcoord:	569465.44		
Ycoord:	4802566		
Hlink:	Not Reported		
Site id:	IAPU30000181663		

	Database	EDR ID Number
AM205 **ESE** **1/2 - 1 Mile** **Higher**	**IA WELLS**	**IAPU30000184427**

Mapid:	184427	Wellid:	2083529
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 23, SW, NW, SE, NE, SE
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	0	C p date:	Not Reported
Owner name:	Andera, Darrell		
Other info:	Status: Retired; Well use: Heat pump		
Xcoord:	572228.43525		
Ycoord:	4802945.20602		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2083529&reportName=WellPrintout		
Site id:	IAPU30000184427		

	Database	EDR ID Number
AM206 **ESE** **1/2 - 1 Mile** **Higher**	**IA WELLS**	**IAPW30000012535**

Objectid:	12535	Iwellid:	2086744
Wellnmbr:	2083529	Pmtnmbr:	12278
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	23		
Qqqqq:	SW, NW, SE, NE, SE		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	0		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.3759		
Longitude:	-92.1084		
Dte done:	30-DEC-99		
Cty num:	45		
County:	Howard		
Drlr name:	Enviro-Tec Inc.		
Owner name:	Andera, Darrell		
Cnstr mthd:	Not Reported		

Fm rmk:	Not Reported		
Well use:	Heat pump		
Status:	Retired		
Ht pmp no:	1		
Permit:	X	Plugging:	Not Reported
Renovate:	Not Reported	Test:	Not Reported
Xcoord:	572228.43525		
Ycoord:	4802945.20602		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	0
Has constr:	0		
Wnumber:	0		
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2083529&reportName=WellPrintout		
Site id:	IAPW30000012535		

207
South
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000183049**

Mapid:	183049	Wellid:	46596
Id src fld:	wnumber	Datasrc:	GEOU
Well type:	IGS well database	Location:	T. 99N., R. 11W., Sec. 27, NE, SW
County:	HOWARD	Est loc ac:	Calc. +/- 280 m.
Depth:	135	C p date:	09/16/1998
Owner name:	FENSKE, VERN		
Other info:	Bedrock depth: 14; Well type: Private		
Xcoord:	570681.04		
Ycoord:	4801784.64		
Hlink:	http://www.igsb.uiowa.edu/webapps/geosam/Scripts/geocard.asp?wnumber=46596		
Site id:	IAPU30000183049		

AM208
East
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000184484**

Mapid:	184484	Wellid:	2075347
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 23, SW, NW, SW, NW, NW
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	70	C p date:	12/11/2001
Owner name:	Foote, Steve		
Other info:	Status: Plugged; Well use: Household		
Xcoord:	572292.53065		
Ycoord:	4803012.53286		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2075347&reportName=WellPrintout		
Site id:	IAPU30000184484		

AM209
East
1/2 - 1 Mile
Higher

IA WELLS **IAPW30000000206**

Objectid:	206	Iwellid:	2075551
Wellnmbr:	2075347	Pmtnmbr:	Not Reported
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	23		
Qqqqq:	SW, NW, SW, NW, NW		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	70		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.3765		
Longitude:	-92.1076		
Dte done:	11-DEC-01		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	Foote, Steve		
Cnstr mthd:	Unknown		
Fm rmk:	Not Reported		
Well use:	Household		
Status:	Plugged		
Ht pmp no:	0		
Permit:	Not Reported	Plugging:	X
Renovate:	Not Reported	Test:	Not Reported
Xcoord:	572292.53065		
Ycoord:	4803012.53286		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	0
Has constr:	0		
Wnumber:	0		
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2075347&reportName=WellPrintout		
Site id:	IAPW30000000206		

AN210
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000184024**

Mapid:	184024	Wellid:	30166
Id src fld:	wnumber	Datasrc:	GEOU
Well type:	IGS well database	Location:	T. 99N., R. 11W., Sec. 26, NW
County:	HOWARD	Est loc ac:	Calc. +/- 570 m.
Depth:	138	C p date:	05/24/1989
Owner name:	HOLUB, IRVIN		
Other info:	Bedrock depth: 12; Well type: Private		
Xcoord:	571696.04		
Ycoord:	4801999.5		
Hlink:	http://www.igsb.uiowa.edu/webapps/geosam/Scripts/geocard.asp?wnumber=30166		
Site id:	IAPU30000184024		

AN211
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000184035**

Mapid:	184035	Wellid:	5017
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 26, NW
County:	Howard	Est loc ac:	Calc. +/- 570m.
Depth:	35	C p date:	n.a.
Owner name:	Quam, Linda		
Other info:	Well plugged: 5/29/1991; Well type: < 18" dia.		
Xcoord:	571702.06		
Ycoord:	4802002		
Hlink:	Not Reported		
Site id:	IAPU30000184035		

AN212
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000184009**

Mapid:	184009	Wellid:	13386
Id src fld:	recordno	Datasrc:	PVTP
Well type:	Permitted private wells	Location:	T. 99 N., R. 11 W., Sec. 26, , , , NW
County:	Howard	Est loc ac:	Calc. +/- 570m.
Depth:	130	C p date:	4/19/1989
Owner name:	Unkn		
Other info:	Primary use: Irrigation		
Xcoord:	571697.06		
Ycoord:	4801997		
Hlink:	Not Reported		
Site id:	IAPU30000184009		

213
South
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000183156**

Mapid:	183156	Wellid:	22548
Id src fld:	recordno	Datasrc:	PVTP
Well type:	Permitted private wells	Location:	T. 99 N., R. 11 W., Sec. 27, NE, SW, SE
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	150	C p date:	9/15/1998
Owner name:	Fenske		
Other info:	Primary use: household		
Xcoord:	570775.38		
Ycoord:	4801691.5		
Hlink:	Not Reported		
Site id:	IAPU30000183156		

214
North
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000183065**

Mapid:	183065	Wellid:	50091
Id src fld:	wnumber	Datasrc:	GEOU
Well type:	IGS well database	Location:	T. 99N., R. 11W., Sec. 15, NE, SE, SW, SE
County:	HOWARD	Est loc ac:	Calc. +/- 140 m.
Depth:	320	C p date:	06/15/1999
Owner name:	VORWALD, TIM		
Other info:	Bedrock depth: 3; Well type: Private		
Xcoord:	570972.82181		
Ycoord:	4804855.28102		
Hlink:	http://www.igsb.uiowa.edu/webapps/geosam/Scripts/geocard.asp?wnumber=50091		
Site id:	IAPU30000183065		

AO215
NW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000181525**

Mapid:	181525	Wellid:	32846
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 16, SE, SE
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	300	C p date:	1967
Owner name:	Phillips, Richard		
Other info:	Drilling method: Drilled; Known well depth		
Xcoord:	569468.88		
Ycoord:	4804187.5		
Hlink:	Not Reported		
Site id:	IAPU30000181525		

AO216
NW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000181487**

Mapid:	181487	Wellid:	32847
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 16, SE, SE
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	300	C p date:	1967
Owner name:	Phillips, Richard		
Other info:	Drilling method: Drilled; Known well depth		
Xcoord:	569466.88		
Ycoord:	4804188.5		
Hlink:	Not Reported		
Site id:	IAPU30000181487		

AP217
South
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000182974**

Mapid:	182974	Wellid:	46251
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 27, NE, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	74	C p date:	unkn
Owner name:	Bohle, Mark		
Other info:	Drilling method: Drilled; Known well depth		
Xcoord:	570589.69		
Ycoord:	4801682		
Hlink:	Not Reported		
Site id:	IAPU30000182974		

AP218
South
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000046251**

Recordno:	46251	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	27
Qqqqq:	NE SW SW	Q abc:	ACC
Checked:	esmith 07/22/98 14:58:18	Ownerfirst:	MARK
Ownerlast:	BOHLE	Owneraddr:	704 VERNON RD.
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	Not Reported
County:	45	Legal:	SWSWNE27 9911W
Depth:	74	Dpth rel:	K
Permit:	Not Reported	Sampldte:	09-JUN-98
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	Not Reported		
Anal dte:	30-DEC-99	Smplsrce:	HYDRANT
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	0
Bctcolml:	0	Bact s u:	U
No3r:	Not Reported	No3:	61
No3 s u:	U	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	Not Reported
Case mat:	STEEL	Cs mt rel:	Not Reported
Case diam:	6	Csdia rel:	K
Year cons:	0	Yr rel:	U
Agentfirst:	LACINDA	Agentlast:	ALTMAN
Created:	esmith 07/10/98 14:24:17	Updated:	esmith 07/22/98 14:58:18
Flag:	NYYNYYYNYNNYYYNNNNNNN		
Utm x:	570597.06		
Utm y:	4801469.81		
Site id:	IAPR30000046251		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: IA Radon

Radon Test Results

Zipcode	Num Tests	Minimum	Maximum	Average
52136	53	1	38	9

Federal EPA Radon Zone for HOWARD County: 1

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

Federal Area Radon Information for Zip Code: 52136

Number of sites tested: 7

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	Not Reported	Not Reported	Not Reported	Not Reported
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	6.957 pCi/L	14%	86%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

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

HYDROLOGIC INFORMATION

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

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

State Wetlands Data: National Wetland Inventory of Iowa
Source: Department of Natural Resources
Telephone: 319-335-1575

HYDROGEOLOGIC INFORMATION

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

GEOLOGIC INFORMATION

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

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

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

All Known Water Wells in the State of Iowa
Source: Department of Natural Resources
Telephone: 319-335-1353
Well types included are agricultural drainage, permitted private, public, registered abandoned, SDWIS public, water use permit sites, wells registered for testing.

Permitted Private Wells
Source: Department of Natural Resources
Telephone: 319-335-1353
This is a point coverage for private wells for which permits have been issued since 1987. Most permits were recorded in counties which are in the state drinking water program.

Private Well Tracking System Wells
Source: Department of Natural Resources
Telephone: 319-335-1353

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Database
Source: Department of Natural Resources
Oil and gas well locations.

RADON

State Database: IA Radon
Source: Department of Public Health
Telephone: 515-281-4340
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.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

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

STREET AND ADDRESS INFORMATION

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APPENDIX H
CHAIN OF TITLE / ENVIRONMENTAL LIENS

Not provided

APPENDIX I
CORRESPONDENCE

Howard County Assessor

Parcel Number: 321592200090000
Deed Holder: SUNRICH INC
Property Address:
Class: INDUSTRIAL
Map Area: INDUSTRIAL
Tax District: HW
Zoning: -- NONE --
Sec-Twp-Rng: 022-099-011
Lot-Block: -
Legal Description: S 372' LOT 1 SE SW NE
Property Report: PROPERTY REPORT (PDF FILE)

1 / 8

LandValue	Dwelling Value	Improvement Value	TotalValue
$82,750	$0	$534,910	$617,660

Prior Year Value Information

Year	Land Value	Dwelling Value	Improvement Value	Total Value
2015	$82,750	$0	$534,910	$617,660
2014	$82,750	$0	$534,910	$617,660

More Years...

Land Information

Lot Type	Square Feet	Acres
Site and Excess	144,184	3.310

Commercial Building Information

Occupancy	Year Built	Building Area
Metal Light Mfg - Steel	1993	6,000
Metal Light Mfg - Steel	1993	3,000
Metal Light Mfg - Steel	2004	2,000
Metal Warehouse - Steel Frame	2002	6,000
Metal Office	2012	2,576
Metal Warehouse - Steel Frame	2002	680
Metal Warehouse - Steel Frame	2012	798

Yard Extra Information

Description	Item Count	Year Built
Bucket Conveyor (Leg)	1	2012
Hopper Bin (Commercial)	1	2012
Hopper Bin (Commercial)	2	2000
Leg Towers	1	2012
Pneumatic Conveying System	1	2012
Pneumatic Conveying System	1	2002
Sheds	1	2013

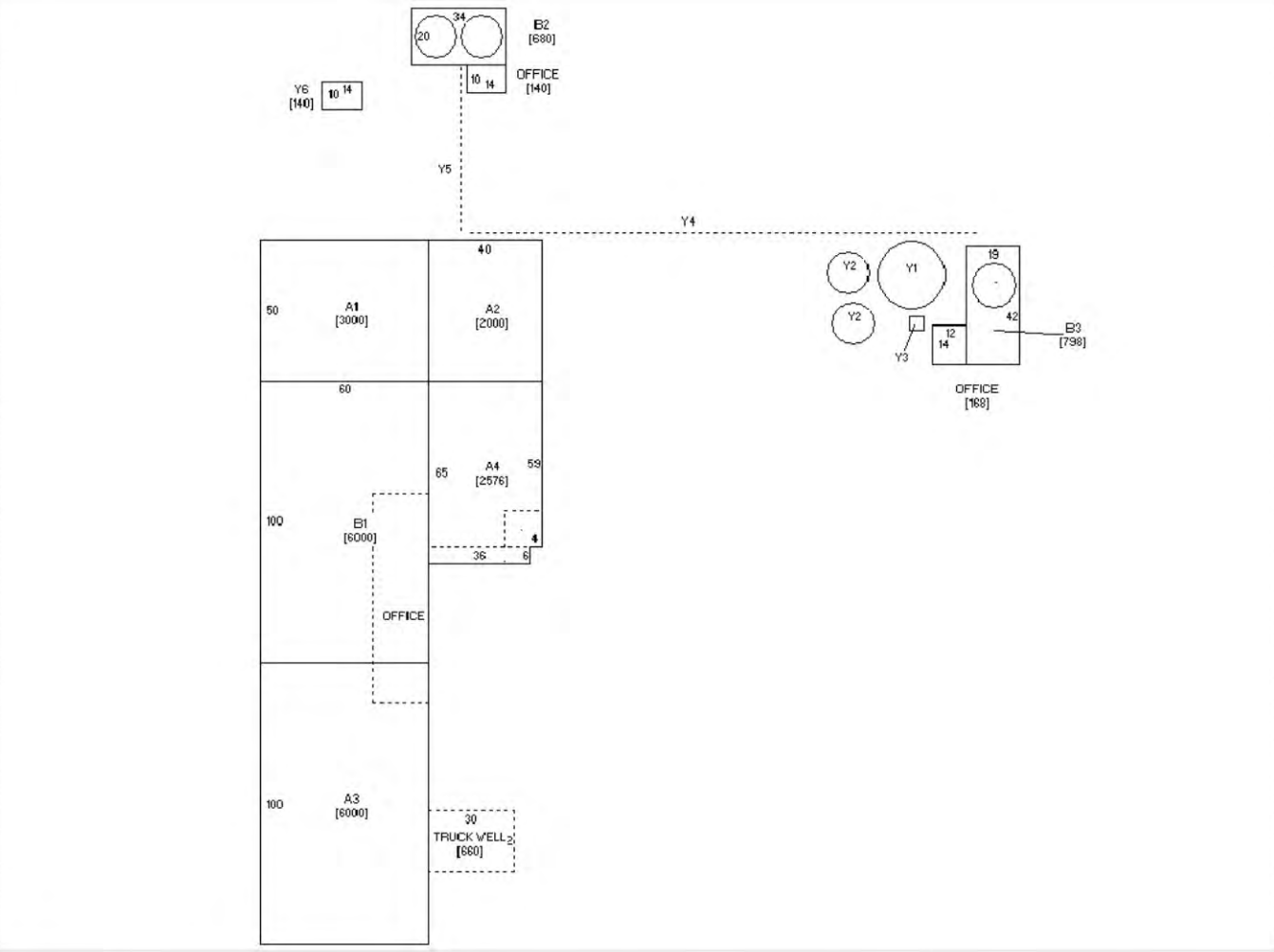
Building Permit Information

Back to top

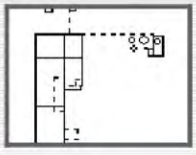
Date	Number	Tag Descr	Tag Date	Amount	Reason
03/20/2013		Yes	01/01/2014	0	Misc

Sketch

Back to top

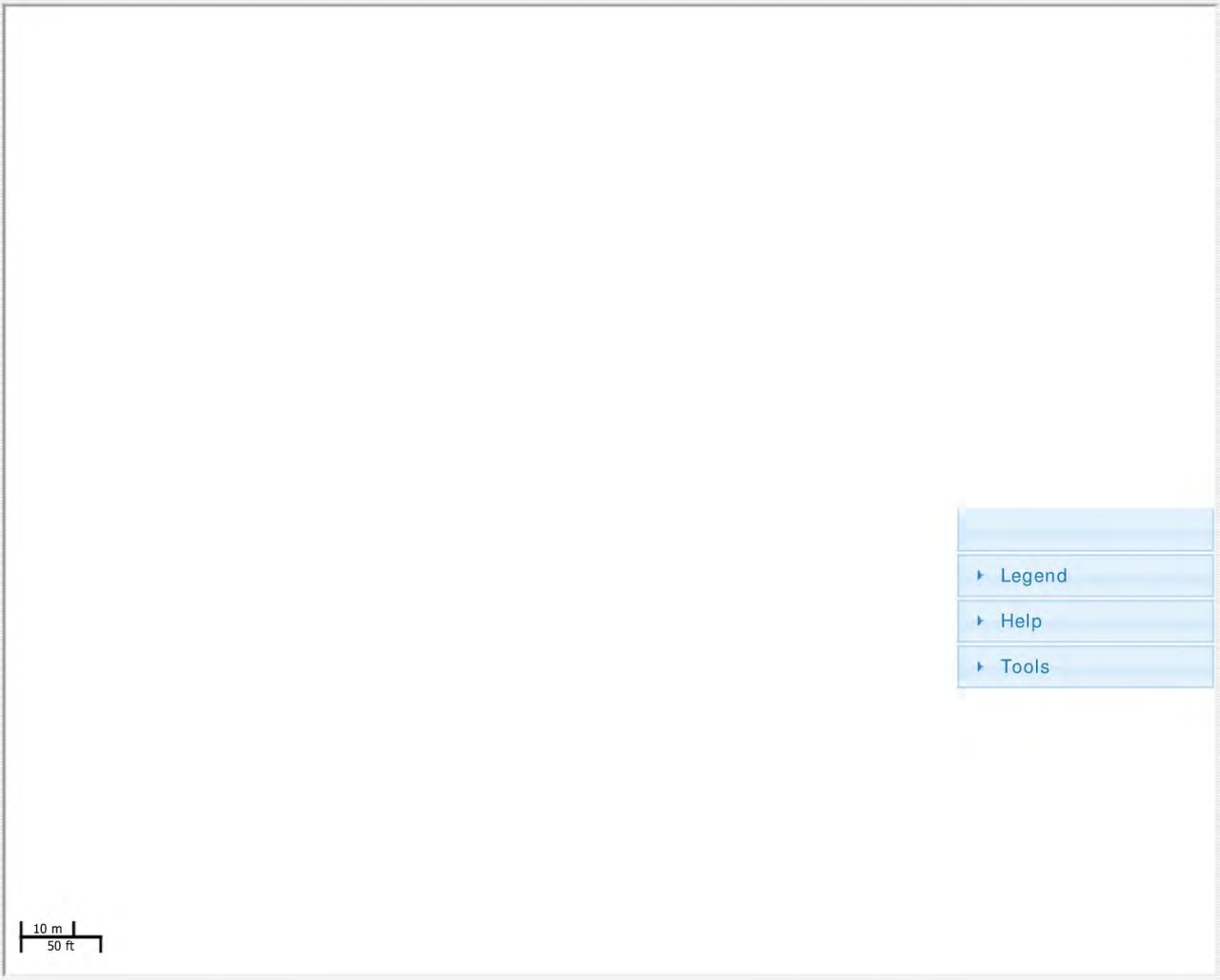


1 / 1



GIS Map Information

Back to top



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Property Solutions INC.
Environmental & Engineering Consulting

323 New Albany Road · Moorestown, New Jersey 08057 · 856-813-3000 · Fax 856-813-1068

July 20, 2018

City of Cresco
Department of Public Works
130 N Park Place
Cresco, Iowa 52136

Re: Sunopta Facility
616 6th Avenue West
Parcel: 321592200090000
Cresco, Howard County, Iowa 52136
Property Solutions Inc Project #: 20181069

Dear Freedom of Information Officer:

Property Solutions Inc. is conducting a Phase I Environmental Assessment of the aforementioned property. As part of a property assessment, we wish to determine whether government agencies possess records on the subject property that may include potential environmental concerns. We request information on the following:

- **Permits, reports, and information for Underground or Aboveground Storage Tanks (UST/AST), oil / water separator or clarifier installation or removal any current or previous building at the property**
- **Permits for flammable materials storage**
- **Permits of asbestos removal**
- **Permits for the installation or decommissioning of drinking water wells & septic systems**
- **Demolition/renovation permits for the current building of any other prior building on this property**
- **Any known spills, releases, hazardous materials**

If you have any questions, please call me at 856-813-3000 ext 245, or email me at ecoordinator@propertysolutionsinc.com. If you have no information on the property, please fill in the box below and fax back to me at 856-813-1073. Thank you for your assistance.

Sincerely,
Property Solutions Inc.

Lyla Gray-Etherson, Environmental Coordinator
ecoordinator@propertysolutionsinc.com
856-813-3000 ext 245

☐ No Files for subject property or address
Name: _____
Title: _____
Phone: _____

X _____ _____
Signature Date

Property Solutions INC.
Environmental & Engineering Consulting

323 New Albany Road · Moorestown, New Jersey 08057 · 856-813-3000 · Fax 856-813-1068

July 20, 2018

City of Cresco
Department of Public Works
130 N Park Place
Cresco, Iowa 52136

Re: Sunopta Facility
616 6th Avenue West
Parcel: 321592200090000
Cresco, Howard County, Iowa 52136
Property Solutions Inc Project #: 20181069

Dear Freedom of Information Officer:

Property Solutions Inc. is conducting a Phase I Environmental Assessment of the aforementioned property. As part of a property assessment, we wish to determine whether government agencies possess records on the subject property that may include potential concerns. We request information on the following:

- **Any known or suspected potential environmental issues at the property or area of the subject property**
- **Historical use of the subject property**
- **Any special requirements per planning / zoning due to potential environmental concerns in the area**

If you have any questions, please call me at 856-813-3000 ext 245, or email me at ecoordinator@propertysolutionsinc.com. If you have no information on the property, please fill in the box below and fax back to me at 856-813-1073. Thank you for your assistance.

Sincerely,
Property Solutions Inc.

Lyla Gray-Etherson, Environmental Coordinator
ecoordinator@propertysolutionsinc.com
856-813-3000 ext 245

☐ No Files for subject property or address
Name: _____
Title: _____
Phone: _____

X _____ _____
Signature Date

****
*** FAX TX REPORT ***
****

TRANSMISSION OK

JOB NO.	1070
DESTINATION ADDRESS	15635473800
SUBADDRESS	
DESTINATION ID	
ST. TIME	07/20 12:03
TX/RX TIME	00'33
PGS.	1
RESULT	OK

Property Solutions INC.
Environmental & Engineering Consulting

323 New Albany Road · Moorestown, New Jersey 08057 · 856-813-3000 · Fax 856-813-1068

July 20, 2018

City of Cresco
Fire Department
215 2ND AVE SW
Cresco, Iowa 52136
ATTN: FOIA Officer
Fax: 563-547-3800

RE: Sunopta Facility
616 6th Avenue West
Parcel: 321592200090000
Cresco, Howard County, Iowa 52136
Property Solutions Inc Project #: 20181069

Dear Freedom of Information Officer:

Property Solutions Inc. is conducting a Phase I Environmental Assessment of the aforementioned property. As part of a property assessment, we wish to determine whether government agencies possess records on the subject property that may include potential concerns. We request information on the following:

- **Outstanding fire code violations associated with storage / handling / use of flammable or hazardous materials**
- **Fires or spills**
- **Permits for Underground or Aboveground Storage Tanks (UST/AST), installation or removal**
- **Any known storage of hazardous materials or petroleum products**

If you have any questions, please call me at 856-813-3000 ext 245, or email me at ecoordinator@propertysolutionsinc.com. If you have no information on the property, please fill in the box below and fax back to me at 856-813-1073. Thank you for your assistance.

Sincerely,
Property Solutions Inc.

☐ No Files for subject property or address
Name: _____

Property Solutions INC.
Environmental & Engineering Consulting

323 New Albany Road · Moorestown, New Jersey 08057 · 856-813-3000 · Fax 856-813-1068

July 20, 2018

City of Cresco
Fire Department
215 2ND AVE SW
Cresco, Iowa 52136
ATTN: FOIA Officer
Fax: 563-547-3800

RE: Sunopta Facility
616 6th Avenue West
Parcel: 321592200090000
Cresco, Howard County, Iowa 52136
Property Solutions Inc Project #: 20181069

Dear Freedom of Information Officer:

Property Solutions Inc. is conducting a Phase I Environmental Assessment of the aforementioned property. As part of a property assessment, we wish to determine whether government agencies possess records on the subject property that may include potential concerns. We request information on the following:

- **Outstanding fire code violations associated with storage / handling / use of flammable or hazardous materials**
- **Fires or spills**
- **Permits for Underground or Aboveground Storage Tanks (UST/AST), installation or removal**
- **Any known storage of hazardous materials or petroleum products**

If you have any questions, please call me at 856-813-3000 ext 245, or email me at ecoordinator@propertysolutionsinc.com. If you have no information on the property, please fill in the box below and fax back to me at 856-813-1073. Thank you for your assistance.

Sincerely,
Property Solutions Inc.

Lyla Gray-Etherson, Environmental Coordinator
ecoordinator@propertysolutionsinc.com
856-813-3000 ext 245

☐ No Files for subject property or address
Name: _____
Title: _____
Phone: _____

X _____ _____
Signature Date

Property Solutions INC.
Environmental & Engineering Consulting

323 New Albany Road · Moorestown, New Jersey 08057 · 856-813-3000 · Fax 856-813-1068

July 20, 2018

City of Cresco
Water Department
130 N Park Place
Cresco, Iowa 52136

Re: Sunopta Facility
616 6th Avenue West
Parcel: 321592200090000
Cresco, Howard County, Iowa 52136
Property Solutions Inc Project #: 20181069

To Whom It May Concern:

Property Solutions Inc. is conducted a Phase I Environmental Assessment of the aforementioned property. As part of the property assessment, we wish to determine the water and sewer provider of the subject property.

If the **city of Cresco** is indeed the water and sewer provider, please provide me with the following information:

- Date of water connection
- Water violations
- Date of municipal sewer connection
- Special sewer discharge permits

If you have any questions, please call me at 856-813-3000 ext 245, or email me at ecoordinator@propertysolutionsinc.com. If you have no information on the property, please fill in the box below and fax back to me at 856-813-1073. Thank you for your assistance.

Sincerely,
Property Solutions Inc.

Lyla Gray-Etherson, Environmental Coordinator
ecoordinator@propertysolutionsinc.com
856-813-3000 ext 245

☐ No Files for subject property or address
Name: _____
Title: _____
Phone: _____

X _____ _____
Signature Date

Property Solutions INC.
Environmental & Engineering Consulting

323 New Albany Road · Moorestown, New Jersey 08057 · 856-813-3000 · Fax 856-813-1068

July 20, 2018

Howard County
Health Department – Environmental Health Division
137 N Elm Street
Cresco IA 52136
ATTN: FOIA Officer

RE: Sunopta Facility
616 6th Avenue West
Parcel: 321592200090000
Cresco, Howard County, Iowa 52136
Property Solutions Inc Project #: 20181069

Dear Freedom of Information Officer:

Property Solutions Inc. is conducting a Phase I Environmental Assessment of the aforementioned property. As part of a property assessment, we wish to determine whether government agencies possess records on the subject property that may include potential environmental concerns. We request information on the following:

- **Permits, reports, and information for Underground or Aboveground Storage Tanks (UST/AST), oil / water separator or clarifier installation or removal any current or previous building at the property**
- **Lead based paint information, issues, or lead poisonings reported at the property**
- **Asbestos information, removal, or abatement at the property**
- **Environmental health code violations**
- **Permits for the installation or decommissioning of drinking water wells & septic systems**
- **Water supply concerns**

If you have any questions, please call me at 856-813-3000 ext 245, or email me at ecoordinator@propertysolutionsinc.com. If you have no information on the property, please fill in the box below and fax back to me at 856-813-1073. Thank you for your assistance.

Sincerely,
Property Solutions Inc.

Lyla Gray-Etherson, Environmental Coordinator
ecoordinator@propertysolutionsinc.com
856-813-3000 ext 245

☐ No Files for subject property or address
Name: _____
Title: _____
Phone: _____

X _____ _____
Signature Date

Lyla Gray-Etherson

From: environmental coordinator
Sent: Friday, July 20, 2018 11:05 AM
To: 'dnr.records@dnr.iowa.gov'
Subject: 20181069 Request
Attachments: Iowa Department of Natural Resources.doc

Lyla Gray-Etherson
Environmental Coordinator
Property Solutions INC.
323 New Albany Road
Moorestown, NJ 08057
Phone: (856) 813-3000 x245
E-mail: ecoordinator@propertysolutionsinc.com
Website **Company** **Personal**

Property Solutions INC.
Environmental & Engineering Consulting

323 New Albany Road · Moorestown, New Jersey 08057 · 856-813-3000 · Fax 856-813-1068

July 20, 2018

State of Iowa
Department of Natural Resources – Environmental Division
502 East 9th Street
Des Moines, IA 50319-0034
ATTN: FOIA Officer
Phone: 515-281-5918
Fax: N/A
Email: dnr.records@dnr.iowa.gov (USE EMAIL)
Website: http://www.iowadnr.gov/Environment.aspx

RE: Sunopta Facility
616 6th Avenue West
Parcel: 321592200090000
Cresco, Howard County, Iowa 52136
Property Solutions Inc Project #: 20181069

Dear Freedom of Information Officer:

Property Solutions Inc. is conducting a Phase I Environmental Assessment of the aforementioned property. As part of the property assessment, we wish to determine whether government agencies possess any records on the subject property or area wide issues that the property be included in that include potential environmental concerns. Please provide any information regarding any AST / UST, PCBs, spills / releases, petroleum and hazardous materials use, storage, or disposal activities, vapor intrusion, contaminated groundwater, solid waste disposal, asbestos, deed notices, and activities and use limitations.

If you have any questions, please call me at 856-813-3000 ext 245, or email me at ecoordinator@propertysolutionsinc.com. If you have no information on the property, please fill in the box below and fax back to me at 856-813-1073. Thank you for your assistance.

Sincerely,
Property Solutions Inc.

Lyla Gray-Etherson, Environmental Coordinator
ecoordinator@propertysolutionsinc.com
856-813-3000 ext 245

☐ No Files for subject property or address
Name: _____
Title: _____
Phone: _____

X _____ _____
Signature Date

Property Solutions INC.
Environmental & Engineering Consulting
323 New Albany Road · Moorestown, New Jersey 08057 · 856-813-3000 · Fax 856-813-1068

July 20, 2018

City of Cresco
Fire Department
215 2ND AVE SW
Cresco, Iowa 52136
ATTN: FOIA Officer
Fax: 563-547-3800

RE: Sunopta Facility
616 6th Avenue West
Parcel: 321592200090000
Cresco, Howard County, Iowa 52136
Property Solutions Inc Project #: 20181069

Dear Freedom of Information Officer:

Property Solutions Inc. is conducting a Phase I Environmental Assessment of the aforementioned property. As part of a property assessment, we wish to determine whether government agencies possess records on the subject property that may include potential concerns. We request information on the following:

- **Outstanding fire code violations associated with storage / handling / use of flammable or hazardous materials**
- **Fires or spills**
- **Permits for Underground or Aboveground Storage Tanks (UST/AST), installation or removal**
- **Any known storage of hazardous materials or petroleum products**

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Sincerely,
Property Solutions Inc.

Lyla Gray-Etherson

Lyla Gray-Etherson, Environmental Coordinator
ecoordinator@propertysolutionsinc.com
856-813-3000 ext 245

☑ No Files for subject property or address
Name: Neal Stapelkamp
Title: Fire Chief
Phone: 563 212 7766
X [signature] 7-20-18
Signature Date

Property Solutions INC.
Environmental & Engineering Consulting

323 New Albany Road · Moorestown, New Jersey 08057 · 856-813-3000 · Fax 856-813-1068

July 20, 2018

Howard County
Health Department – Environmental Health Division
137 N Elm Street
Cresco IA 52136
ATTN: FOIA Officer

rcv'd via mail
7/30

RE: Sunopta Facility
616 6th Avenue West
Parcel: 321592200090000
Cresco, Howard County, Iowa 52136
Property Solutions Inc Project #: 20181069

Dear Freedom of Information Officer:

Property Solutions Inc. is conducting a Phase I Environmental Assessment of the aforementioned property. As part of a property assessment, we wish to determine whether government agencies possess records on the subject property that may include potential environmental concerns. We request information on the following:

- **Permits, reports, and information for Underground or Aboveground Storage Tanks (UST/AST), oil / water separator or clarifier installation or removal any current or previous building at the property**
- **Lead based paint information, issues, or lead poisonings reported at the property**
- **Asbestos information, removal, or abatement at the property**
- **Environmental health code violations**
- **Permits for the installation or decommissioning of drinking water wells & septic systems**
- **Water supply concerns**

If you have any questions, please call me at 856-813-3000 ext 245, or email me at ecoordinator@propertysolutionsinc.com. If you have no information on the property, please fill in the box below and fax back to me at 856-813-1073. Thank you for your assistance.

Sincerely,
Property Solutions Inc.

Lyla Gray-Etherson, Environmental Coordinator
ecoordinator@propertysolutionsinc.com
856-813-3000 ext 245

☒ No Files for subject property or address
Name: Marshall Rogue
Title: Environmental Health Director
Phone: 563 547 9212
X _____ 7/24/18
Signature Date

Property Solutions INC.
Environmental & Engineering Consulting

323 New Albany Road • Moorestown, New Jersey 08057 • 856-813-3000 • Fax 856-813-1068

July 20, 2018

State of Iowa
Department of Natural Resources – Environmental Division
502 East 9th Street
Des Moines, IA 50319-0034
ATTN: FOIA Officer
Phone: 515-281-5918
Fax: N/A
Email: dnr.records@dnr.iowa.gov (USE EMAIL)
Website: http://www.iowadnr.gov/Environment.aspx

RE: Sunopta Facility
616 6th Avenue West
Parcel: 321592200090000
Cresco, Howard County, Iowa 52136
Property Solutions Inc Project #: 20181069

Dear Freedom of Information Officer:

Property Solutions Inc. is conducting a Phase I Environmental Assessment of the aforementioned property. As part of the property assessment, we wish to determine whether government agencies possess any records on the subject property or area wide issues that the property be included in that include potential environmental concerns. Please provide any information regarding any AST / UST, PCBs, spills / releases, petroleum and hazardous materials use, storage, or disposal activities, vapor intrusion, contaminated groundwater, solid waste disposal, asbestos, deed notices, and activities and use limitations.

If you have any questions, please call me at 856-813-3000 ext 245, or email me at ecoordinator@propertysolutionsinc.com. If you have no information on the property, please fill in the box below and fax back to me at 856-813-1073. Thank you for your assistance.

Sincerely,
Property Solutions Inc.

Lyla Gray-Etherson, Environmental Coordinator
ecoordinator@propertysolutionsinc.com
856-813-3000 ext 245

☑ No Files for subject property or address
Name: Peggy Elscott
Title: Clerk Specialist
Phone: 515-735-8480
X Peggy Elscott 7/23/18
Signature Date

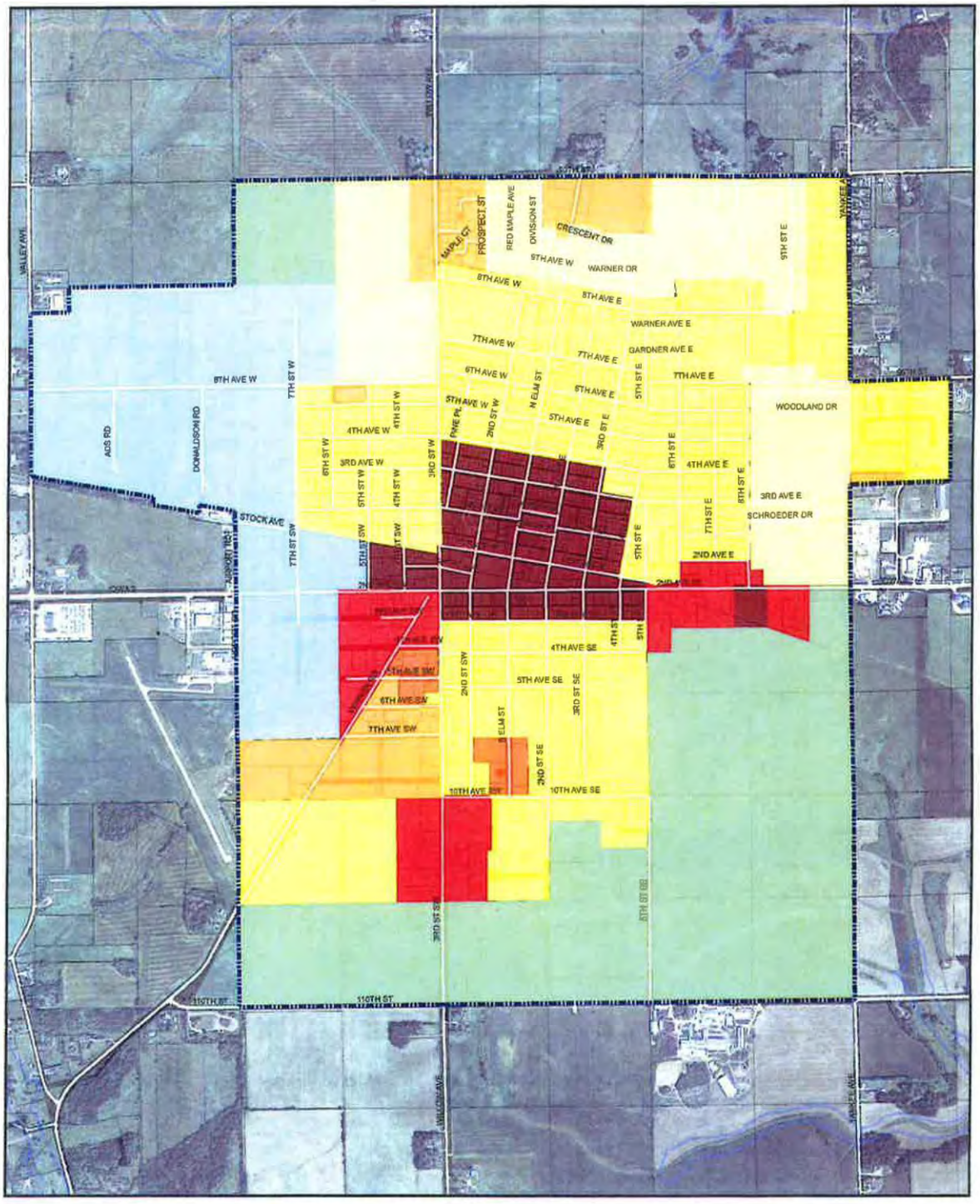
City of Cresco

Official Zoning Map

This Is to certify that this Official Zoning Map supersedes and replaces the Official Zoning Map adopted December 6, 1993 as part of Ordiance Number 237 of the City of Cresco, Iowa

Mayor Mark Bohle City Clerk Michelle Girolamo

11-19-2012



Legend

- M-1 Mixed Use
- C-2 Central Business Commercial District
- C-1 Commercial District
- R-4 Mobile Home Park
- R-3 Multi-Family Residential
- R-2 Two Family Residential
- R-1 Single Family Residential
- A-1 Agricultural

Upper explorerland regional planning commission

N W E S

0 0.1 0.2 0.4 0.6 0.8 Miles

THE WATER WE DRINK
CRESCO WATER DEPARTMENT

We are pleased to present to you this year's Annual Quality Report. This report is designed to inform you about the quality water and service we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water. The City of Cresco water supply obtains its water from the Cambrian-Ordovician aquifer. The Cambrian-Ordovician aquifer was determined to be not susceptible to contamination because the characteristics of the aquifer and overlying materials prevent easy access of contaminants to the aquifer. The City of Cresco wells will not be susceptible to most contaminant sources except through pathways to the aquifer such as abandoned or poorly maintained wells. A detailed evaluation of your source water was completed by the Iowa Department of Natural Resources, and is available from the City of Cresco at (563) 547-3101. We have two wells that are 1120 feet deep.

This water supply obtains water from one or more groundwater aquifers. Every aquifer has a degree of susceptibility to contamination because of the characteristics of the aquifer, overlying materials and human activity. Susceptibility to contamination generally increases with shallow aquifers, increasing permeability of the aquifer and overlying material, nearby development or agricultural activity, and abandoned or poorly maintained wells. A detailed evaluation of your water source was completed by the Iowa Department of Natural Resources, and is available from this water supply.

Aquifer Name	**Susceptibility**
Cambrian-Ordovician	Insignificant

We are pleased to report that our drinking water is safe and meets federal and state requirements.

If you have any questions about this report or concerning your water utility, please contact Drew Zahasky at 563-547-3101. We want our valued customers to be informed about their water utility.

The Cresco Water Department routinely monitors for constituents in your drinking water according to Federal and State laws. The table below shows the results of our monitoring for the period of January 1 to December 31, 2017 or last known testing date. All drinking water, including bottled water, may be reasonably expected to contain at least small amounts of some constituents. It's important to remember that the presence of these constituents does not necessarily pose a health risk.

Below you will find terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions:

- Non-Detects (ND)-laboratory analysis indicates that the constituent is not present.
- Parts per million (ppm) or Milligram per liter (mg/l)-one part per million corresponds to one minute in two years or a single penny in $10,000.00
- Parts per billion (ppb) or Micrograms per liter-one part per billion corresponds to one minute in 2,000 years, or a single penny in $10,000,000.00.
- Picocuries per liter (pCi/L)-picocuries per liter is a measure of the radioactivity in water.
- Nephelometric Turbidity Unit (NTU) nephelometric turbidity unit is a measure of the clarity of water. Turbidity in excess of 5 NTU is just noticeable to the average person.
- Action Level-the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
- Maximum Contaminant Level-The "Maximum Allowed" (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology. MCLs are set at very stringent levels. To understand the possible health effects described for many regulated constituents, a person would have to drink 2 liters of water every day at the MCL level for a lifetime to have a one-in-a-million chance of having the described health effect.
- Maximum Contaminant Level Goal-The "Goal" (MCLG) is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.
- SGL-Single Sample Result
- LRAA-Locational Running Annual Average
- RAA-Running Annual Average

Finished Water Tap #3				Sample			
Contaminant (units)	**MCL (action level)**	**MCLG (goal)**	**Type**	**Range**	**Value**	**Date**	**Violation?**
Alpha Emitters (pCi/L)	15	0	SGL		1.6	4/9/12	No
Typical source:	Erosion of natural deposits						
Radium-226	N/A	N/A			1.0	4/3/18	No
Typical source:	N/A						
Combined Radium (pCi/L)	5	0	SGL		1.0	4/3/18	No
Typical source:	Erosion of natural deposits						
Fluoride (ppm)	4	4	SGL	0.54 to 0.78	0.74	4/4/17	No
Typical source:	Water additive that promotes strong teeth; erosion of natural deposits; discharge from fertilizer and aluminum factories						
Sodium (ppm)	N/A	N/A	SGL		2.4	4/18/16	No
Typical source:	Erosion of natural deposits; added to water during treatment.						
Toluene (ppm)	1	1			<0.0005	4/3/18	No

Finished Water Tap #4				Sample			
Contaminant (units)	**MCL (action level)**	**MCLG (goal)**	**Type**	**Range**	**Value**	**Date**	**Violation?**
Alpha Emitters (pCi/L)	15	0	SGL		2.1	4/9/12	No
Typical source:	Erosion of natural deposits						
Radium-226	N/A	N/A			0.8	4/3/18	No
Typical source:	N/A						
Combined Radium (pCi/L)	5	0	SGL		<1	4/3/18	No
Typical source:	Erosion of natural deposits						
Fluoride (ppm)	4	4	SGL	0.36-.062	0.36	5/2/17	No
Typical source:	Water additive that promotes strong teeth; erosion of natural deposits; discharge from fertilizer and aluminum factories						
Sodium (ppm)	N/A	N/A	SGL		3.6	4/18/16	No
Typical source:	Erosion of natural deposits; added to water during treatment.						
Toluene (ppm)	1	1			<0.0005	7/7/14	No
Typical source:	Discharge from petroleum factories						

Distribution System			Sample			
Contaminant (units)	**MCL (action level)**	**MCLG (goal)**	**Type**	**Value**	**Date**	**Violation?**
Total trihalomethanes (ppb)	0.08	N/A	LRAA	.00024	8/1/17	No
Typical source:	By-products of drinking water disinfection					

DISTRIBUTION SYSTEM	**MCL**	**MCLG**	**Compliance**	**Range**	**Value**
CHLORINE (ppm) Routine sample 12-31-2017	4.0	4.0	RAA	0.7	0.38 – 0.9

Source: Water additive used to control microbes

NITRATE |AS N| (ppm) MCL/AL: 10 MCLG: 10
Sample 4-3-2018 <1.0 Well #4
Sample 7-5-2016 <1.0 Well #3

Typical source of contaminant: Runoff from fertilizer used; leaching from septic tanks; erosion of natural deposits. Nitrate in drinking water above 10 ppm is a health risk for infants less than six months of age. High nitrate levels in drinking water can cause blue baby syndrome. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. If you are caring for an infant, you should ask advice from your health care provider.

FLOURIDE – Average for well #3 and well #4 is 0.7 mg/L.

LEAD & COPPER REPORT 7/28/15			**Compliance**			**Samples**	
Contaminant (units)	**MCL (action level)**	**MCLG (goal)**	**Type**	**Value**	**Range**	**Total**	**Exceed**
Lead (ppm)	15	0	90th	2.00	ND – 3	20	1
Typical source:	Corrosion of household plumbing systems; Erosion of natural deposits If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. The Cresco Waterworks is responsible for providing high quality drinking water, but cannot control the variety of material used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information of lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at http://www.epa.gov/safewater/lead>.						
Copper (ppm)	1.3	1.3	90th	0.41	ND – 0.5	20	0
Typical source:	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives						

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. The Cresco Waterworks is responsible for providing high quality drinking water, but cannot control the variety of material used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information of lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at http://www.epa.gov/safewater/lead>.

All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-426-4791.

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases radioactive materials and can pick up substances resulting from the presence of animal and human activity. Contaminants that may be present in source water include:

- Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agriculture livestock operations and wildlife.
- Inorganic contaminants, such as salts and metals, which can be naturally-occurring or result from urban storm water runoff, industrial or domestic wastewater discharge, oil and gas production, mining or farming.
- Pesticides and herbicides, which may come from a variety of sources such as agriculture, storm water runoff and residential uses.

- Organic chemical contaminants include synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production and can also come from gas stations, urban storm water runoff and septic systems.
- Radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities.

Thank you for allowing us to continue providing your family with clean, quality water this year. In order to maintain a safe and dependable water supply we sometimes need to make improvements that will benefit our customers. These improvements are sometimes reflected as rate structure adjustments. Thank you for understanding.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk for infections. These people should seek advice about drinking water from their health care provider. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

Please call our office if you have questions (563-547-3101).

"We at the Cresco Water Department work around the clock to provide top quality water to every tap," said Drew Zahasky. "We ask that all our customers help us to protect our water sources, which are the heart of our community, our way of life and our children's future"

This report will not be mailed to our customers but a copy may be obtained at City Hall, 130 North Park Place, Cresco, IA, Monday thru Friday from 8:00 a.m. to 4:30 p.m. A copy may be viewed on local TV channel 3 or City website at www.cityofcresco.com

Rev. 5/30/2018

52136

FACILITY INFORMATION	AFS	ACRES	BR	CERCLIS	GHG	PCS/ICIS	RAD Info	RCRA Info	TRI	TSCA
114 2ND AVENUE WEST 114 2ND AVENUE WEST CRESCO, IA 52136 Latitude: 43.37375 Longitude: -92.11709 Summary Report Facility Report Compliance Report		View Report								
ALLIANT ENERGY 115 SOUTH PARK PLACE CRESCO, IA 52136-1632 Latitude: 43.37309 Longitude: -92.11558 Summary Report Facility Report Compliance Report	View Report									
BOOS IMPLEMENT INC - FORMER SITE OF HWY 63 & 9 CRESCO, IA 52136 Latitude: 43.375048 Longitude: -92.298029 Summary Report Facility Report Compliance Report								View Report		
CARQUEST AUTO PARTS 2136 425 2ND AVE CRESCO, IA 52136 Latitude: 43.371098 Longitude: -92.111144 Summary Report Facility Report Compliance Report								View Report		
CITY OF CRESCO SEWAGE TREATMENT PLANT 24321 90TH ST CRESCO, IA	View Report									

521361631 Latitude: 43.385736 Longitude: -92.08938 Summary Report Facility Report Compliance Report			
CRESCO FOOD TECHNOLOGIES 717 2ND AVE SE CRESCO, IA 52136 Latitude: 43.37102 Longitude: -92.10543 Summary Report Facility Report Compliance Report	View Report	View Report	View Report
CRESCO WWTP 90TH ST CRESCO, IA 52136 Latitude: 43.39114 Longitude: -92.09551 Summary Report Facility Report Compliance Report		View Report	
CRESTWOOD HIGH SCHOOL 1000 SCHRODER DR CRESCO, IA 52136 Latitude: 43.373437 Longitude: -92.102956 Summary Report Facility Report Compliance Report			View Report
CROELL REDI-MIX INC-CRESCO 21793 IOWA HWY 9 CRESCO, IA 52136 Latitude: 43.371159 Longitude: -92.127493 Summary Report Facility Report Compliance Report	View Report		
CULLIGAN WATER CONDITIONING OF CRESCO 606 2ND AVENUE SW CRESCO, IA 52136-1850		View Report	

Latitude: 43.37119 Longitude: -92.12572 Summary Report Facility Report Compliance Report				
DONALDSON CO INC 111 DONALDSON CT CRESCO, IA 52136 Latitude: 43.37487 Longitude: -92.13169 Summary Report Facility Report Compliance Report	View Report	View Report	View Report	View Report
FAREWAY STORES INC-CRESCO 112 S ELM ST CRESCO, IA 52136 Latitude: 43.37165 Longitude: -92.1169 Summary Report Facility Report Compliance Report	View Report			
FEATHERLITE INC 816 7TH STREET WEST CRESCO, IA 52136-1267 Latitude: 43.37859 Longitude: -92.12719 Summary Report Facility Report Compliance Report	View Report		View Report	View Report
H & S MOTORS 710 2ND AVE SW CRESCO, IA 52136 Latitude: 43.37118 Longitude: -92.12815 Summary Report Facility Report Compliance Report			View Report	
HAWKEYE SANITATION INC 128 N ELM CRESCO, IA 52136 Latitude: 43.37329	View Report			

Longitude: -92.11652 Summary Report Facility Report Compliance Report		
HOWARD CLEANERS INC-FORMER SITE OF 122 2ND AVE W CRESCO, IA 52136 Latitude: 43.3738 Longitude: -92.11749 Summary Report Facility Report Compliance Report		View Report
HOWARD COUNTY RESIDENTIAL CARE FACILITY 21668 80TH ST. CRESCO, IA 52136 Latitude: 43.40004 Longitude: -92.1453 Summary Report Facility Report Compliance Report	View Report	
IDOT - CRESCO MAINTENANCE SHOP 24161 HWY 9 E CRESCO, IA 52136 Latitude: 43.371177 Longitude: -92.096915 Summary Report Facility Report Compliance Report		View Report
INGERSOLL FARM EQUIPMENT-FORMER SITE OF 809 2ND AVE SW CRESCO, IA 52136 Latitude: 43.37102 Longitude: -92.12854 Summary Report Facility Report Compliance Report		View Report
KAISER AGRICULTURAL CHEM-FORMER SITE OF		View Report

OFF HWY 69 RR
3 CRESCO, IA
52136
Latitude:
43.373602
Longitude: -
92.130505
Summary Report
Facility Report
Compliance Report

KENNETH MOELLERS BEEF CONFINEMENT
26343 110TH STREET
CRESCO, IA
52136
Latitude:
43.35656
Longitude: -
92.11011
Summary Report
Facility Report
Compliance Report
View Report

UP & RUNNING ELECTRONICS
116 N ELM ST
CRESCO, IA
52136
Latitude:
43.37291
Longitude: -
92.1166
Summary Report
Facility Report
Compliance Report
View Report

WISCONSIN DAIRIES COOPERATIVE
HIGHWAY 9
EAST CRESCO, IA 52136
Latitude:
43.316605
Longitude: -
92.100332
Summary Report
Facility Report
Compliance Report
View Report

APPENDIX J
ENVIRONMENTAL DATABASE

616 6th Avenue West
616 6th Avenue West
Cresco, IA 52136

Inquiry Number: 5367969.2s
July 20, 2018

The EDR Radius Map™ Report with GeoCheck®

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

TABLE OF CONTENTS

SECTION	PAGE
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	8
Orphan Summary	30
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting Source Map	A-11
Physical Setting Source Map Findings	A-12
Physical Setting Source Records Searched	PSGR-1

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

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This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

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EXECUTIVE SUMMARY

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

616 6TH AVENUE WEST
CRESCO, IA 52136

COORDINATES

Latitude (North):	43.3786320 - 43° 22' 43.07"
Longitude (West):	92.1258920 - 92° 7' 33.21"
Universal Tranverse Mercator:	Zone 15
UTM X (Meters):	570810.2
UTM Y (Meters):	4803018.0
Elevation:	1290 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5943068 CRESCO NW, IA
Version Date:	2013
Northeast Map:	5943114 CRESCO NE, IA
Version Date:	2013
Southeast Map:	5943070 CRESCO SE, IA
Version Date:	2013
Southwest Map:	5943072 CRESCO SW, IA
Version Date:	2013

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20150929
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
616 6TH AVENUE WEST
CRESCO, IA 52136

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	CRESCO MAINTENANCE S	114 7TH STREET	ALLSITES	Higher	765, 0.145, WNW
A2	SECONDARY ROADS CRES	114 SEVENTH STREET W	LUST, UST, Financial Assurance	Higher	765, 0.145, WNW
3	FARMERS COOP FEED	120 WEST 5TH ST	LUST, UST	Higher	2077, 0.393, SSE
4	CITY OF CRESCO	148 4TH ST SW	LUST, UST, FINDS	Higher	2304, 0.436, SSE
5	HOSPITIAL SERVICES	235 8TH AVE WEST	SWF/LF, LUST, UST, Financial Assurance	Higher	2305, 0.437, ENE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

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

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

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

Federal Delisted NPL site list

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

Federal CERCLIS list

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

Federal CERCLIS NFRAP site list

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

Federal RCRA CORRACTS facilities list

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

Federal RCRA non-CORRACTS TSD facilities list

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

Federal RCRA generators list

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

Federal institutional controls / engineering controls registries

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

US INST CONTROL ---------- Sites with Institutional Controls

Federal ERNS list

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

State- and tribal - equivalent CERCLIS

SHWS ---------- Registry of Hazardous Waste or Hazardous Substance Disposal Sites

State and tribal leaking storage tank lists

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

State and tribal registered storage tank lists

FEMA UST ---------- Underground Storage Tank Listing
AST ---------- Aboveground Storage Tank Sites
INDIAN UST ---------- Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

INST CONTROL ---------- Sites with Institutional Controls

State and tribal voluntary cleanup sites

INDIAN VCP ---------- Voluntary Cleanup Priority Listing
VCP ---------- Land Recycling Program Sites

State and tribal Brownfields sites

BROWNFIELDS ---------- Brownfields Site Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ---------- A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

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

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ---------- Delisted National Clandestine Laboratory Register
DEL SHWS ---------- Delisted Contaminated Sites Listing
US CDL ---------- National Clandestine Laboratory Register

Local Land Records

LIENS ---------- Liens Filed Listing

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

Records of Emergency Release Reports

HMIRS ---------- Hazardous Materials Information Reporting System
SPILLS ---------- Spills Database
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
FTTS ---------- FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS ---------- Material Licensing Tracking System
COAL ASH DOE ---------- Steam-Electric Plant Operation Data
COAL ASH EPA ---------- Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER ---------- PCB Transformer Registration Database
RADINFO ---------- Radiation Information Database
HIST FTTS ---------- FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS ---------- Incident and Accident Data
CONSENT ---------- Superfund (CERCLA) Consent Decrees
INDIAN RESERV ---------- Indian Reservations
FUSRAP ---------- Formerly Utilized Sites Remedial Action Program
UMTRA ---------- Uranium Mill Tailings Sites
LEAD SMELTERS ---------- Lead Smelter Sites
US AIRS ---------- Aerometric Information Retrieval System Facility Subsystem
US MINES ---------- Mines Master Index File
ABANDONED MINES ---------- Abandoned Mines
FINDS ---------- Facility Index System/Facility Registry System
ECHO ---------- Enforcement & Compliance History Information
UXO ---------- Unexploded Ordnance Sites
DOCKET HWC ---------- Hazardous Waste Compliance Docket Listing
FUELS PROGRAM ---------- EPA Fuels Program Registered Listing
AIRS ---------- Minor and Title V Sources Listing
COAL ASH ---------- Coal Ash Disposal Site Listing
DRYCLEANERS ---------- Iowa Drycleaner List
Financial Assurance ---------- Financial Assurance Information Listing
NPDES ---------- List of NPDES Permittees
TIER 2 ---------- Tier 2 Information Listing

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP ---------- EDR Proprietary Manufactured Gas Plants

EXECUTIVE SUMMARY

EDR Hist Auto ---------- EDR Exclusive Historical Auto Stations
EDR Hist Cleaner ---------- EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

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

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

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

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

STANDARD ENVIRONMENTAL RECORDS

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

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Department of Natural Resources' Permitted Solid Waste Management Facilities list.

A review of the SWF/LF list, as provided by EDR, and dated 06/04/2018 has revealed that there is 1 SWF/LF site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HOSPITIAL SERVICES Facility Id: 45-SDP-01-89 Permit Stage: Rescission	***235 8TH AVE WEST***	***ENE 1/4 - 1/2 (0.437 mi.)***	***5***	***23***

State and tribal leaking storage tank lists

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Natural Resources' Underground Storage Tank Data list.

A review of the LUST list, as provided by EDR, and dated 06/04/2018 has revealed that there are 4 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SECONDARY ROADS CRES	***114 SEVENTH STREET W***	***WNW 1/8 - 1/4 (0.145 mi.)***	***A2***	***8***

Facility Id: 5916 Leak Status: Stopped				
FARMERS COOP FEED Facility Id: 1342 Leak Status: Stopped	***120 WEST 5TH ST***	***SSE 1/4 - 1/2 (0.393 mi.)***	***3***	***13***
CITY OF CRESCO Facility Id: 2109 Leak Status: Stopped	***148 4TH ST SW***	***SSE 1/4 - 1/2 (0.436 mi.)***	***4***	***18***
HOSPITIAL SERVICES Facility Id: 1596 Leak Status: Unknown	***235 8TH AVE WEST***	***ENE 1/4 - 1/2 (0.437 mi.)***	***5***	***23***

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Natural Resources' Underground Storage Tank Data list.

A review of the UST list, as provided by EDR, and dated 06/04/2018 has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SECONDARY ROADS CRES Facility Id: 2522 Registration: 198601989	***114 SEVENTH STREET W***	***WNW 1/8 - 1/4 (0.145 mi.)***	***A2***	***8***

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

ALLSITES: All the sites included in the Contaminated Sites Tracking Database. The database includes several regulatory complinace programs and actions.

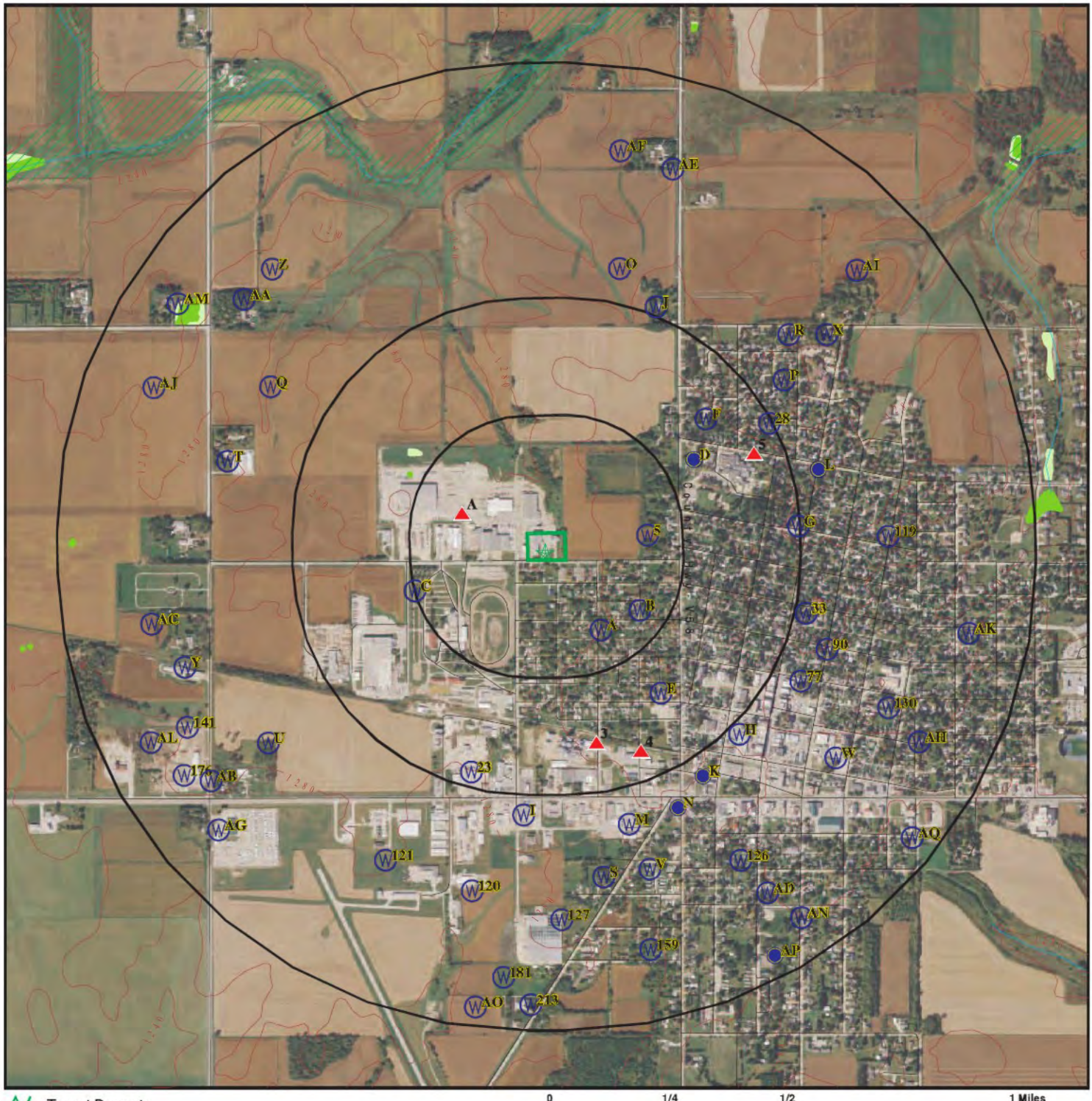
A review of the ALLSITES list, as provided by EDR, and dated 04/16/2018 has revealed that there is 1 ALLSITES site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CRESCO MAINTENANCE S Status: Closed Site Id Number: 836	114 7TH STREET	WNW 1/8 - 1/4 (0.145 mi.)	A1	8

EXECUTIVE SUMMARY

There were no unmapped sites in this report.

OVERVIEW MAP - 5367969.2S



0 1/4 1/2 1 Miles

Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Upgradient Area

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

SITE NAME:	616 6th Avenue West	CLIENT:	Property Solutions, Inc.
ADDRESS:	616 6th Avenue West Cresco IA 52136	CONTACT:	Brian Gallagher
		INQUIRY #:	5367969.2s
LAT/LONG:	43.378632 / 92.125892	DATE:	July 20, 2018 10:09 am

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DETAIL MAP - 5367969.2S

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

0 1/16 1/8 1/4 Miles

Indian Reservations BIA
100-year flood zone
500-year flood zone
National Wetland Inventory
State Wetlands

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

SITE NAME:	616 6th Avenue West	CLIENT:	Property Solutions, Inc.
ADDRESS:	616 6th Avenue West Cresco IA 52136	CONTACT:	Brian Gallagher
LAT/LONG:	43.378632 / 92.125892	INQUIRY #:	5367969.2s
		DATE:	July 20, 2018 10:12 am

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent CERCLIS								
SHWS	1.000		0	0	0	0	NR	0
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	1	NR	NR	1
State and tribal leaking storage tank lists								
LUST	0.500		0	1	3	NR	NR	4
LAST	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

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

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
TIER 2	TP		NR	NR	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

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

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1
WNW
1/8-1/4
0.145 mi.
765 ft.

CRESCO MAINTENANCE SHOP
114 7TH STREET
CRESCO, IA 52136

Site 1 of 2 in cluster A

ALLSITES **S108413974**
N/A

Relative:
Higher

Actual:
1290 ft.

ALLSITES:

Site Id Number:	836
Project Manager:	Matt Culp
Ownership Type:	Private
Status:	Closed
Program:	CERCLA Preremedial
Site Type:	Spill
Brownfield Eligible:	False
Registry:	False
Institutional Control:	False
Priority:	3
Latitude:	43.37424
Longitude:	-92.12813
XCoord:	570632
YCoord:	4802744

A2
WNW
1/8-1/4
0.145 mi.
765 ft.

SECONDARY ROADS CRESCO MAINT SHOP
114 SEVENTH STREET W
CRESCO, IA 52136

Site 2 of 2 in cluster A

LUST **U003633664**
UST **N/A**
Financial Assurance

Relative:
Higher

Actual:
1290 ft.

LUST:

Facility ID:	5916
Spill Number:	Not reported
Occur Date:	Not reported
Discover Date:	11/09/2001
Discover Time:	Not reported
Record Date:	12/19/2001
Leak Number:	9LTK06
Loc ID:	63400
Ust ID:	2522
Latitude:	43.37424
Longitude:	-92.12813
Start Date:	12/20/2001
Spill Date:	Not reported
Date Occurred Time:	Not reported
Lead ID:	4
Coordinator ID:	2
Staff ID:	18
Discover Method ID:	1
Leak Status:	Stopped
Tanks Removed:	Not reported
Created Date:	01/08/2007
Created By:	migration
Last Changed:	01/08/2007
Changed By:	migration

Lust Status:

ID:	5924
Site Leak Number:	9LTK06
Discovered During:	C
Tanks Removed:	2
Leak Cause:	Not reported

SECONDARY ROADS CRESCO MAINT SHOP (Continued) **U003633664**

Gas:	Not reported
Diesel:	Not reported
Oil:	Yes
Kerosene:	Not reported
Released Fuel Oil:	Not reported
Released Hydraulic Oil:	Not reported
Released Other Petroleum:	Not reported
Released Unknown:	Not reported
Released Non_Petroleum Chemical:	Not reported
Gallons Released:	Not reported
Leak Status:	Stopped
Loc Soil:	Not reported
Loc Ground Water:	Not reported
Loc Surface Water:	Not reported
Loc Water Supply:	Not reported
Res Public Water Supply:	Not reported
Resources Water Well:	Not reported
Res Actual Drinking WW:	Not reported
Res Non-Drink WW:	Not reported
Res Soil:	Not reported
Res Ground Water:	Not reported
Res Surface Water:	Not reported
Res Toxic Vapor:	Not reported
Res Explosive Vapor:	Not reported
Res Other:	Not reported
Res Impacted Soil:	Not reported
Res Impacted Ground Water:	Yes
Res Impacted Water Well:	Not reported
Res Impacted Pub Water Supply:	Not reported
Res Impacted Surface Water:	Not reported
Res Impacted Toxic Vapor:	Not reported
Res Impacted Explosive Vapor:	Not reported
Res Impacted Other:	Not reported
Res Impacted Drinking WW:	Not reported
Res Impacted Non-Drink WW:	Not reported
Res Impacted Potential Non Drink WW:	Not reported
Officials Onsite Health:	Not reported
Officials Onsite Fire:	Not reported
Officials Onsite Law:	Not reported
Officials Onsite Civil:	Not reported
Officials Onsite None:	Not reported
Officials Onsite Unknown:	Yes
Officials Onsite Other:	Not reported
AST:	Not reported
UST/LUST Other:	Not reported
Delete:	False
Status Memo:	Not reported

Lust Cause:

Release Cause:	Spill

Lust Administration:

ID:	5927
Owner Identified:	No
Responsible Party Found:	Yes
RP Date:	Not reported

SECONDARY ROADS CRESCO MAINT SHOP (Continued) **U003633664**

Owner Broke:	No
ER Date:	Not reported
Cost Recovery Start Dt:	Not reported
CR Notice of Intent Dt:	Not reported
CR Appeal of NOI Dt:	Not reported
CR Final Decision Dt:	Not reported
CR EP Comm Lien Approval Dt:	Not reported
CR Lien:	Not reported
CR Ten Yr Renewal Dt:	Not reported
CR Lien Named:	False
CR Remediation:	Not reported
Delete:	False
CR Amnt Received:	0
CR End Date:	Not reported
Memo:	Not reported

Lust Track:

ID:	6005
Site Assesment Start Date:	01/08/2002
Free Product Recvry End Date:	Not reported
FP Letter Sent Date:	Not reported
FP Report Frequency:	Not reported
Assesment Report Due:	Not reported
Assesment Report Received:	Not reported
Assesment Report Approved:	Not reported
Achieved Over-Excavation:	Not reported
Release Not Verified Date:	Not reported
Ref to Contaminated Site Section:	2002-08-05
Cleanup Start Date:	2002-08-05
Cleanup Complete Date:	2004-05-21
Cleanup Report Due Date:	Not reported
Cleanup Report Received Date:	Not reported
Cleanup Report Approved Date:	Not reported
Check Report Due Date:	Not reported
Check Report Received Date:	Not reported
Check Report Rejected Date:	Not reported
Check Report Approved Date:	Not reported
Date Classified:	2004-05-21
Risk Classification -NFA:	True
Class - Low Risk:	False
Class - High Risk:	False
Lust Current:	Transferred-Cont.Sites
Tier 1 Consultant Recommends:	Not reported
T1 Actual GW Ingestion:	False
T1 Poten GW Ingestion from Protected GW:	False
T1 Poten GW Ingestion from Protected GW:	False
T1 GW Vapor to Enclosed Space:	False
T1 GW to Plastic Water Line:	False
T1 Surface Water:	False
T1 Soil Leaching to GW:	False
T1 Soil Vapor to Enclosed Space:	False
T1 Soil to Plastic Line:	False
Tier 2 Consultant Recommends:	Not reported
T2 Actual GW Ingestion:	Not reported
T2 Poten GW Ingestion from Protected GW:	Not reported
T2 Poten GW Ingestion from Protected GW:	Not reported
T2 GW Vapor to Enclosed Space:	Not reported

SECONDARY ROADS CRESCO MAINT SHOP (Continued) **U003633664**

T2 GW to Plastic Water Line:	Not reported
T2 SW General Use:	Not reported
T2 SW Designated Use:	Not reported
T2 Soil Leaching to GW:	Not reported
T2 Soil Vapor to Enclosed Space:	Not reported
T2 Soil to Plastic Line:	Not reported
Institutional Control Obtained:	False
NFA Certificate Sent:	Not reported
No Action Required:	**False**
Priority Ranking:	Not reported
Delete:	False
Track Memo:	12/14/01: TANK CLOSURE REPORT SHOWS GW-WASTE OIL ABOVE LIMITS FOR DWW.01/08/02: CERTIFIED LETTER SENT REQUIRING T1/T2. CGWP=2/10/02 T1=4/10/02.--bdj02/05/02: REC'D CGWP NOTIFICATION/OLLIE THURMAN.04/30/02: First OD letter sent with due date for T1 of 5/12/02.05/07/02: E-mail from Ollie Thurman stating site is bedrock and will require T2. Scheduling for 11/9/02.06/04/02: REC'D STATUS UPDATE. REMOVED ONE GASOLINE AND ONE DIESEL UST. ONLY WASTE OIL CONCENTRATIONS IN GROUNDWATER EXCEEDED TIER 1 LEVELS. REC'D ANALYTICAL RESULTS. RECOMMEND A TIER 2 REPORT NOT BE REQUIRED FOR THIS LOCATION.06/06/02: REJECT REQUEST TO IGNORE W-o DATA/NO SITE HISTORY GIVEN/REFERENCED 3/13/00 WEB POSTING/MUST PROVE W-o WAS NEVER STORED ON SITE OR USE DATA AND SUBMIT RBCA REPORT.bdj07/08/02: REC'D SITE HISTORY.08/05/02: REV'D SITE HISTORY SECTION/TEH-wo NEVER STORED UNDER GROUND.bdj **********GIVEN TO CAL LUNDBERG/ CONTAMINATED SITES/8/5/02**********05/21/04: Contaminated Sites has NFAed the site. Jh

UST:

Facility Id:	2522
Loc Id:	2522
Registration:	198601989
Owner Type:	County
Financial Code:	15
Insurer's Name:	PMMIC
Policy Number:	8601989
Policy Start Date:	10/20/2001
Policy End Date:	10/25/2002
Registration Sign Date:	10/26/1990
Created By:	migration
Created Date:	01/08/2007
Changed By:	migration
Last Changed:	01/08/2007
Latitude:	43.37424
Longitude:	-92.12813
Otype ID Decode:	County

Tank Info:

Tank Num:	5410
In Use:	False
Tank Type:	Not reported
Tank Brand Id:	Not reported
Inert Material Id:	Not reported

SECONDARY ROADS CRESCO MAINT SHOP (Continued) **U003633664**

Filled In Place: Not reported
Material Construction: Steel with Polyethylene
Emergency Power Gen: Not reported

Tank Num: 5411
In Use: False
Tank Type: 4
Tank Brand Id: Not reported
Inert Material Id: Not reported
Filled In Place: Not reported
Material Construction: Steel with Polyethylene
Emergency Power Gen: Not reported

Tank Num: 5412
In Use: False
Tank Type: 4
Tank Brand Id: Not reported
Inert Material Id: Not reported
Filled In Place: Not reported
Material Construction: Steel with Polyethylene
Emergency Power Gen: Not reported

Tank Num: 5413
In Use: False
Tank Type: 4
Tank Brand Id: Not reported
Inert Material Id: Not reported
Filled In Place: Not reported
Material Construction: Steel with Polyethylene
Emergency Power Gen: Not reported

Tank Num: 5414
In Use: False
Tank Type: 4
Tank Brand Id: Not reported
Inert Material Id: Not reported
Filled In Place: Not reported
Material Construction: Steel with Polyethylene
Emergency Power Gen: Not reported

Tank Num: 5415
In Use: False
Tank Type: Not reported
Tank Brand Id: Not reported
Inert Material Id: Not reported
Filled In Place: Not reported
Material Construction: Steel with Polyethylene
Emergency Power Gen: Not reported

Tank Num: 5416
In Use: False
Tank Type: 4
Tank Brand Id: Not reported
Inert Material Id: Not reported
Filled In Place: Not reported
Material Construction: Double Wall Steel
Emergency Power Gen: Not reported

SECONDARY ROADS CRESCO MAINT SHOP (Continued) **U003633664**

Tank Num:	5417
In Use:	False
Tank Type:	4
Tank Brand Id:	Not reported
Inert Material Id:	Not reported
Filled In Place:	Not reported
Material Construction:	Double Wall Steel
Emergency Power Gen:	Not reported

IA Financial Assurance 1:

Facility ID:	198601989
Insurers Name:	PMMIC
Policy End Date:	10/25/2002
Site Status:	Not reported
Financial Code:	15
Policy Number:	8601989
Policy Start Date:	10/20/2001

---

3 **FARMERS COOP FEED** **LUST U003169101**
SSE **120 WEST 5TH ST** **UST N/A**
1/4-1/2 **CRESCO, IA 52136**
0.393 mi.
2077 ft.

Relative:
Higher

Actual:
1302 ft.

LUST:

Facility ID:	1342
Spill Number:	Not reported
Occur Date:	Not reported
Discover Date:	09/15/1990
Discover Time:	Not reported
Record Date:	01/23/1992
Leak Number:	8LTR93
Loc ID:	63621
Ust ID:	3010
Latitude:	43.37230
Longitude:	-92.12452
Start Date:	01/24/1992
Spill Date:	Not reported
Date Occurred Time:	Not reported
Lead ID:	4
Coordinator ID:	2
Staff ID:	Not reported
Discover Method ID:	3
Leak Status:	Stopped
Tanks Removed:	Not reported
Created Date:	01/08/2007
Created By:	migration
Last Changed:	01/08/2007
Changed By:	migration

Lust Status:

ID:	1342
Site Leak Number:	8LTR93
Discovered During:	Removal
Tanks Removed:	03
Leak Cause:	UNK
Gas:	Yes

FARMERS COOP FEED (Continued) **U003169101**

Diesel:	Yes
Oil:	Not reported
Kerosene:	Not reported
Released Fuel Oil:	Not reported
Released Hydraulic Oil:	Not reported
Released Other Petroleum:	Not reported
Released Unknown:	Not reported
Released Non_Petroleum Chemical:	Not reported
Gallons Released:	Not reported
Leak Status:	Stopped
Loc Soil:	Yes
Loc Ground Water:	Not reported
Loc Surface Water:	Not reported
Loc Water Supply:	Not reported
Res Public Water Supply:	Not reported
Resources Water Well:	Not reported
Res Actual Drinking WW:	Not reported
Res Non-Drink WW:	Not reported
Res Soil:	Not reported
Res Ground Water:	Not reported
Res Surface Water:	Not reported
Res Toxic Vapor:	Not reported
Res Explosive Vapor:	Not reported
Res Other:	Not reported
Res Impacted Soil:	Not reported
Res Impacted Ground Water:	Not reported
Res Impacted Water Well:	Not reported
Res Impacted Pub Water Supply:	Not reported
Res Impacted Surface Water:	Not reported
Res Impacted Toxic Vapor:	Not reported
Res Impacted Explosive Vapor:	Not reported
Res Impacted Other:	Not reported
Res Impacted Drinking WW:	Not reported
Res Impacted Non-Drink WW:	Not reported
Res Impacted Potential Non Drink WW:	Not reported
Officials Onsite Health:	Not reported
Officials Onsite Fire:	Not reported
Officials Onsite Law:	Not reported
Officials Onsite Civil:	Not reported
Officials Onsite None:	Yes
Officials Onsite Unknown:	Not reported
Officials Onsite Other:	Not reported
AST:	Not reported
UST/LUST Other:	Not reported
Delete:	False
Status Memo:	Not reported

Lust Cause:

Release Cause:	Unknown

Lust GW:

Groundwater Professional Applicant#:	1342
GWP Applicant Last Name:	OHMAN
GWP Applicant First Name:	ROSS
GWP Firm:	Not reported
GWP Address:	Not reported

FARMERS COOP FEED (Continued) **U003169101**

GWP Address 2:	Not reported
GWP City/State/Zip:	Not reported
GWP Phone:	Not reported
GWP Fax:	Not reported
GWP EMail:	Not reported
GWP Exp Of Gwp Cert.:	Not reported
Is Gwp Certified?:	False
Is Gwp Cert. For CADR?:	False
GWP Business Phone Num:	6514640188
GWP Delete:	False
GWP Memo:	Not reported
Date Received:	10/01/1992
GWP Business Address:	21990 IDEAL AVENUE N
GWP City:	FOREST LAKE
GWP State:	MN
GWP Zip:	55025-
Qualify Number:	11,,,
Qualify Date:	Not reported
Fee Received:	Y
Renewal Date:	Not reported
Renewal New:	Not reported
Date Denied:	Not reported
Warning:	Not reported
Certificate Issued:	Not reported
Revoke Date:	Not reported
IAPE:	Not reported
Degree:	Not reported
Typeengr:	Not reported
Transc:	Not reported
Exper:	Not reported
Affiliates:	Not reported
Date Record:	Not reported

Lust Misc:

Misc Due Date:	10/10/1993	Misc Rec Date:	09/29/1993
Misc Other:	Not reported	Misc Title:	Not reported

Lust Remediation:

Heat Treatment:	False
Land Application:	False
On Site:	False
Achieved Over-Excavation:	False
Soil Venting Passive:	False
Soil Venting Active:	False
BioRemediation Passive:	False
BioRemediation Active:	False
In Situ GW Treatment - Air Sparging:	False
Ground Water:	False
Fresh Water:	False
IGT - pH Adjustment:	False
Nutrient:	False
Oxygen:	False
Biological:	False
Permit Date:	Not reported
Other:	False
Surface Treatment - Carbon Absorption:	False

FARMERS COOP FEED (Continued) **U003169101**

Biological:	False
ST Other:	False
TDT Sanitary Sewer:	False
TDT Storm Sewer:	False
Stream:	False
TDT Other:	False
Reduced Risk Plugged Well:	False
RR Replace:	False
RR Relocate:	False
RR Other:	False
Delete:	False
Rem Memo:	Not reported

Lust Administration:

ID:	1342
Owner Identified:	Yes
Responsible Party Found:	Yes
RP Date:	01/24/1992
Owner Broke:	Yes
ER Date:	Not reported
Cost Recovery Start Dt:	Not reported
CR Notice of Intent Dt:	Not reported
CR Appeal of NOI Dt:	Not reported
CR Final Decision Dt:	Not reported
CR EP Comm Lien Approval Dt:	Not reported
CR Lien:	Not reported
CR Ten Yr Renewal Dt:	Not reported
CR Lien Named:	False
CR Remediation:	Not reported
Delete:	False
CR Amnt Received:	Not reported
CR End Date:	Not reported
Memo:	Not reported

Lust Track:

ID:	1342
Site Assesment Start Date:	10/08/1992
Free Product Recvry End Date:	Not reported
FP Letter Sent Date:	Not reported
FP Report Frequency:	Not reported
Assesment Report Due:	Not reported
Assesment Report Received:	Not reported
Assesment Report Approved:	Not reported
Achieved Over-Excavation:	Not reported
Release Not Verified Date:	Not reported
Ref to Contaminated Site Section:	Not reported
Cleanup Start Date:	1993-09-01
Cleanup Complete Date:	1994-10-29
Cleanup Report Due Date:	1993-05-05
Cleanup Report Received Date:	1993-05-19
Cleanup Report Approved Date:	1993-09-01
Check Report Due Date:	Not reported
Check Report Received Date:	Not reported
Check Report Rejected Date:	Not reported
Check Report Approved Date:	Not reported
Date Classified:	1994-10-29

FARMERS COOP FEED (Continued) **U003169101**

Risk Classification -NFA:	True
Class - Low Risk:	False
Class - High Risk:	False
Lust Current:	No Action Required
Tier 1 Consultant Recommends:	Not reported
T1 Actual GW Ingestion:	False
T1 Poten GW Ingestion from Protected GW:	False
T1 Poten GW Ingestion from Protected GW:	False
T1 GW Vapor to Enclosed Space:	False
T1 GW to Plastic Water Line:	False
T1 Surface Water:	False
T1 Soil Leaching to GW:	False
T1 Soil Vapor to Enclosed Space:	False
T1 Soil to Plastic Line:	False
Tier 2 Consultant Recommends:	Not reported
T2 Actual GW Ingestion:	Not reported
T2 Poten GW Ingestion from Protected GW:	Not reported
T2 Poten GW Ingestion from Protected GW:	Not reported
T2 GW Vapor to Enclosed Space:	Not reported
T2 GW to Plastic Water Line:	Not reported
T2 SW General Use:	Not reported
T2 SW Designated Use:	Not reported
T2 Soil Leaching to GW:	Not reported
T2 Soil Vapor to Enclosed Space:	Not reported
T2 Soil to Plastic Line:	Not reported
Institutional Control Obtained:	False
NFA Certificate Sent:	Not reported
No Action Required:	**False**
Priority Ranking:	Not reported
Delete:	False
Track Memo:	10/08/92: SCR LETTER SENT. SCR DUE 04/20/93.10/30/92: SCR LTR RESENT B/C THE FIRST LTR WAS UNCLAIMED. ALSO HAVING THE FIELD OFFICE HAND DELIVER THE SCR LTR. SCR NOW DUE 5/5/93.10/28/94: SITE RECLASSIFIED TO LOW RISK W/NO MONITORING REQUIRED.08/28/97: NFA LETTER SENT.

UST:

Facility Id:	3010
Loc Id:	3010
Registration:	198602490
Owner Type:	Private/Corporate
Financial Code:	Not reported
Insurer's Name:	Not reported
Policy Number:	Not reported
Policy Start Date:	Not reported
Policy End Date:	Not reported
Registration Sign Date:	02/17/1986
Created By:	migration
Created Date:	01/08/2007
Changed By:	migration
Last Changed:	01/08/2007
Latitude:	43.37230
Longitude:	-92.12452
Otype ID Decode:	Private/Corporate

Tank Info:

FARMERS COOP FEED (Continued) **U003169101**

Tank Num:	6787
In Use:	False
Tank Type:	1
Tank Brand Id:	Not reported
Inert Material Id:	Not reported
Filled In Place:	Not reported
Material Construction:	Double Wall Steel
Emergency Power Gen:	Not reported

Tank Num:	6788
In Use:	False
Tank Type:	1
Tank Brand Id:	Not reported
Inert Material Id:	Not reported
Filled In Place:	Not reported
Material Construction:	Double Wall Steel
Emergency Power Gen:	Not reported

Tank Num:	6789
In Use:	False
Tank Type:	1
Tank Brand Id:	Not reported
Inert Material Id:	Not reported
Filled In Place:	Not reported
Material Construction:	Double Wall Steel
Emergency Power Gen:	Not reported

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4 **CITY OF CRESCO** **LUST 1011291763**
SSE **148 4TH ST SW** **UST N/A**
1/4-1/2 **CRESCO, IA 52136** **FINDS**
0.436 mi.
2304 ft.

Relative: **Higher**

Actual: **1305 ft.**

LUST:

Facility ID:	2109
Spill Number:	Not reported
Occur Date:	Not reported
Discover Date:	06/21/1993
Discover Time:	Not reported
Record Date:	04/29/1994
Leak Number:	8LTY92
Loc ID:	64424
Ust ID:	4821
Latitude:	43.37161
Longitude:	-92.12165
Start Date:	05/02/1994
Spill Date:	Not reported
Date Occurred Time:	Not reported
Lead ID:	4
Coordinator ID:	2
Staff ID:	3
Discover Method ID:	5
Leak Status:	Stopped
Tanks Removed:	Not reported
Created Date:	01/08/2007
Created By:	migration
Last Changed:	01/08/2007

CITY OF CRESCO (Continued) **1011291763**

Changed By: migration

Lust Status:

ID:	2109
Site Leak Number:	8LTY92
Discovered During:	Other
Tanks Removed:	00
Leak Cause:	UNK
Gas:	Yes
Diesel:	Yes
Oil:	Not reported
Kerosene:	Not reported
Released Fuel Oil:	Not reported
Released Hydraulic Oil:	Not reported
Released Other Petroleum:	Not reported
Released Unknown:	Not reported
Released Non_Petroleum Chemical:	Not reported
Gallons Released:	Not reported
Leak Status:	Stopped
Loc Soil:	Yes
Loc Ground Water:	Yes
Loc Surface Water:	Not reported
Loc Water Supply:	Not reported
Res Public Water Supply:	Not reported
Resources Water Well:	Not reported
Res Actual Drinking WW:	Not reported
Res Non-Drink WW:	Not reported
Res Soil:	Not reported
Res Ground Water:	Not reported
Res Surface Water:	Not reported
Res Toxic Vapor:	Not reported
Res Explosive Vapor:	Not reported
Res Other:	Yes
Res Impacted Soil:	Not reported
Res Impacted Ground Water:	Not reported
Res Impacted Water Well:	Not reported
Res Impacted Pub Water Supply:	Not reported
Res Impacted Surface Water:	Not reported
Res Impacted Toxic Vapor:	Not reported
Res Impacted Explosive Vapor:	Not reported
Res Impacted Other:	Not reported
Res Impacted Drinking WW:	Not reported
Res Impacted Non-Drink WW:	Not reported
Res Impacted Potential Non Drink WW:	Not reported
Officials Onsite Health:	Not reported
Officials Onsite Fire:	Not reported
Officials Onsite Law:	Not reported
Officials Onsite Civil:	Not reported
Officials Onsite None:	Yes
Officials Onsite Unknown:	Not reported
Officials Onsite Other:	Not reported
AST:	Not reported
UST/LUST Other:	Not reported
Delete:	False
Status Memo:	Not reported

Lust Cause:

CITY OF CRESCO (Continued) **1011291763**

Release Cause: Unknown

Lust Misc:
Misc Due Date: Not reported
Misc Rec Date: Not reported
Misc Other: Not reported
Misc Title: Not reported

Lust Remediation:
Heat Treatment: False
Land Application: False
On Site: False
Achieved Over-Excavation: False
Soil Venting Passive: False
Soil Venting Active: False
BioRemediation Passive: False
BioRemediation Active: False
In Situ GW Treatment - Air Sparging: False
Ground Water: False
Fresh Water: False
IGT - pH Adjustment: False
Nutrient: False
Oxygen: False
Biological: False
Permit Date: Not reported
Other: False
Surface Treatment - Carbon Absorption: False
Biological: False
ST Other: False
TDT Sanitary Sewer: False
TDT Storm Sewer: False
Stream: False
TDT Other: False
Reduced Risk Plugged Well: False
RR Replace: False
RR Relocate: False
RR Other: False
Delete: False
Rem Memo: Not reported

Lust Tier 2 Report:
T2 Assesment Due: 01/30/1999
T2 Received: 12/14/1998
T2 Accepted: 01/25/1999
T2 Rejected: Not reported
T2 Reviewed: Not reported

Lust Administration:
ID: 2109
Owner Identified: Yes
Responsible Party Found: Yes
RP Date: 05/02/1994
Owner Broke: No
ER Date: Not reported
Cost Recovery Start Dt: Not reported
CR Notice of Intent Dt: Not reported
CR Appeal of NOI Dt: Not reported

CITY OF CRESCO (Continued) **1011291763**

CR Final Decision Dt:	Not reported
CR EP Comm Lien Approval Dt:	Not reported
CR Lien:	Not reported
CR Ten Yr Renewal Dt:	Not reported
CR Lien Named:	False
CR Remediation:	Not reported
Delete:	False
CR Amnt Received:	Not reported
CR End Date:	Not reported
Memo:	Not reported

Lust Track:

ID:	2109
Site Assesment Start Date:	Not reported
Free Product Recvry End Date:	Not reported
FP Letter Sent Date:	Not reported
FP Report Frequency:	Not reported
Assesment Report Due:	Not reported
Assesment Report Received:	Not reported
Assesment Report Approved:	Not reported
Achieved Over-Excavation:	Not reported
Release Not Verified Date:	Not reported
Ref to Contaminated Site Section:	Not reported
Cleanup Start Date:	1999-01-25
Cleanup Complete Date:	1999-01-25
Cleanup Report Due Date:	Not reported
Cleanup Report Received Date:	Not reported
Cleanup Report Approved Date:	Not reported
Check Report Due Date:	Not reported
Check Report Received Date:	Not reported
Check Report Rejected Date:	Not reported
Check Report Approved Date:	Not reported
Date Classified:	1999-01-25
Risk Classification -NFA:	True
Class - Low Risk:	False
Class - High Risk:	False
Lust Current:	No Action Required
Tier 1 Consultant Recommends:	NFA
T1 Actual GW Ingestion:	False
T1 Poten GW Ingestion from Protected GW:	False
T1 Poten GW Ingestion from Protected GW:	False
T1 GW Vapor to Enclosed Space:	False
T1 GW to Plastic Water Line:	False
T1 Surface Water:	False
T1 Soil Leaching to GW:	False
T1 Soil Vapor to Enclosed Space:	False
T1 Soil to Plastic Line:	False
Tier 2 Consultant Recommends:	NFA
T2 Actual GW Ingestion:	NFA
T2 Poten GW Ingestion from Protected GW:	NFA
T2 Poten GW Ingestion from Protected GW:	NFA
T2 GW Vapor to Enclosed Space:	NFA
T2 GW to Plastic Water Line:	NFA
T2 SW General Use:	NFA
T2 SW Designated Use:	NFA
T2 Soil Leaching to GW:	NFA
T2 Soil Vapor to Enclosed Space:	NFA

CITY OF CRESCO (Continued) **1011291763**

T2 Soil to Plastic Line:	NFA
Institutional Control Obtained:	False
NFA Certificate Sent:	1999-06-15
No Action Required:	**False**
Priority Ranking:	5
Delete:	False
Track Memo:	05/10/94: RELEASE DISCOVERED BY SCR WORK FOR ADJACENT SITE (7TLV19). SENT LTR REQUIRING SCR BY 11/14/94, CONSULTANT DUE 6/13/94.05/25/94: CONSULTANT REC'D - H.R. GREEN.08/04/94: ACCEPTED REQUEST TO CONDUCT LIMITED ASSESSMENT. RESULTS DUE 11/14/94.10/05/94: REC'D LIMITED ASSESS REPORT; RISK EVALUATION NEEDED.11/01/94: SENT LTR REQUIRING SCR. SCR DUE 5/5/95.05/16/95: GRANTED TIME EXTENSION. SCR DUE 8/15/95.08/21/95: REC'D SCR. THE CONTAMIANTION PLUME AT THIS SITE IS COMMINGLED W/THE PLUME AT STEVE & TOM'S 66 (7LTV19).10/11/95: SCR REVIEWED & ACCEPTED. HIGH RISK. CADR REQUIRED.01/30/98: REQ. TIER 1.05/08/98: REC'D T1, PROPOSING T2. NO DISK-CGWP TO SEND-REC'D 5/14/98.09/25/98: TIER 1 REV'D: APPROVED, WITH COMMENT (JRG REVIEW). TIER 2 DUE 1/20/99.12/14/98: REC'D T2, P5.01/25/99: T2 OK, NAR.

UST:

Facility Id:	4821
Loc Id:	4821
Registration:	198604365
Owner Type:	Municipal
Financial Code:	Not reported
Insurer's Name:	Not reported
Policy Number:	Not reported
Policy Start Date:	Not reported
Policy End Date:	Not reported
Registration Sign Date:	04/15/1986
Created By:	migration
Created Date:	01/08/2007
Changed By:	migration
Last Changed:	01/08/2007
Latitude:	43.37161
Longitude:	-92.12165
Otype ID Decode:	Municipal

Tank Info:

Tank Num:	12414
In Use:	False
Tank Type:	4
Tank Brand Id:	Not reported
Inert Material Id:	Not reported
Filled In Place:	Not reported
Material Construction:	Double Wall Steel
Emergency Power Gen:	Not reported

Tank Num:	12415
In Use:	False
Tank Type:	4
Tank Brand Id:	Not reported
Inert Material Id:	Not reported

CITY OF CRESCO (Continued) **1011291763**

Filled In Place: Not reported
Material Construction: Double Wall Steel
Emergency Power Gen: Not reported

FINDS:

Registry ID: 110036339986

Environmental Interest/Information System
IDNR-EFD (Iowa Department Of Natural Resources - Emission Factor Documentation) provides information about existing emission factors

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

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5 ENE 1/4-1/2 0.437 mi. 2305 ft. **HOSPITIAL SERVICES**
235 8TH AVE WEST
CRESCO, IA 52136

SWF/LF **U001868758**
LUST **N/A**
UST
Financial Assurance

Relative: Higher

Actual: 1306 ft.

SWF/LF:
Facility ID: 45-SDP-01-89
Facility Type: Incinerator
Permit Stage: Rescission
Expiration Date: Not reported
Project Officer: Buckendahl
Affiliation: Design Engineer
Phone: Work: (507) 645-7080 Fax: (507) 645-7073
Contact Name: Cabot Thunem
Contact Title: Not reported
Contact eMail: Not reported
Contact Company: Valhalla Energy Systems
Contact Address: PO Box 2006
Contact Address2: Not reported
Contact City,St,Zip: Faribault, MN 55021-2006
Field Office: 1
Loc Supplement: North 470', Block 8, Beadle's Subdivision, Irregul
Latitude: 43.381030
Longitude: -92.118290

Facility ID: 45-SDP-01-89
Facility Type: Incinerator
Permit Stage: Rescission
Expiration Date: Not reported
Project Officer: Buckendahl
Affiliation: Primary Contact,Responsible Official of Agency served,Automated Email
Phone: Fax: (563) 547-3448 Work: (319) 547-2101
Contact Name: Steven J Duerre
Contact Title: Facilities Manager
Contact eMail: duerres@mercyhealth.com
Contact Company: Regional Health Services of Howard County
Contact Address: 235 8th Avenue West
Contact Address2: Not reported
Contact City,St,Zip: Cresco, IA 52136

HOSPITIAL SERVICES (Continued) **U001868758**

Field Office:	1
Loc Supplement:	North 470', Block 8, Beadle's Subdivision, Irregul
Latitude:	43.381030
Longitude:	-92.118290

LUST:

Facility ID:	1596
Spill Number:	Not reported
Occur Date:	Not reported
Discover Date:	07/23/1998
Discover Time:	Not reported
Record Date:	09/11/1998
Leak Number:	9LTG58
Loc ID:	63889
Ust ID:	3592
Latitude:	43.38103
Longitude:	-92.11829
Start Date:	09/11/1998
Spill Date:	Not reported
Date Occurred Time:	Not reported
Lead ID:	4
Coordinator ID:	2
Staff ID:	18
Discover Method ID:	5
Leak Status:	Unknown
Tanks Removed:	Not reported
Created Date:	01/08/2007
Created By:	migration
Last Changed:	01/08/2007
Changed By:	migration

Lust Status:

ID:	1596
Site Leak Number:	9LTG58
Discovered During:	Other
Tanks Removed:	00
Leak Cause:	Not reported
Gas:	Not reported
Diesel:	Not reported
Oil:	Yes
Kerosene:	Not reported
Released Fuel Oil:	Not reported
Released Hydraulic Oil:	Not reported
Released Other Petroleum:	Not reported
Released Unknown:	Not reported
Released Non_Petroleum Chemical:	Not reported
Gallons Released:	000000000000
Leak Status:	Unknown
Loc Soil:	Not reported
Loc Ground Water:	Yes
Loc Surface Water:	Not reported
Loc Water Supply:	Not reported
Res Public Water Supply:	Yes
Resources Water Well:	Not reported
Res Actual Drinking WW:	Not reported
Res Non-Drink WW:	Not reported
Res Soil:	Not reported

HOSPITIAL SERVICES (Continued) **U001868758**

Res Ground Water:	Not reported
Res Surface Water:	Not reported
Res Toxic Vapor:	Not reported
Res Explosive Vapor:	Not reported
Res Other:	Not reported
Res Impacted Soil:	Not reported
Res Impacted Ground Water:	Not reported
Res Impacted Water Well:	Not reported
Res Impacted Pub Water Supply:	Not reported
Res Impacted Surface Water:	Not reported
Res Impacted Toxic Vapor:	Not reported
Res Impacted Explosive Vapor:	Not reported
Res Impacted Other:	Not reported
Res Impacted Drinking WW:	Not reported
Res Impacted Non-Drink WW:	Not reported
Res Impacted Potential Non Drink WW:	Not reported
Officials Onsite Health:	Not reported
Officials Onsite Fire:	Not reported
Officials Onsite Law:	Not reported
Officials Onsite Civil:	Not reported
Officials Onsite None:	Not reported
Officials Onsite Unknown:	Yes
Officials Onsite Other:	Not reported
AST:	Not reported
UST/LUST Other:	Not reported
Delete:	False
Status Memo:	Not reported

Lust GW:

Groundwater Professional Applicant#:	1596
GWP Applicant Last Name:	KACER
GWP Applicant First Name:	JAMES
GWP Firm:	TERRACON ENVIRONMENTAL, INC
GWP Address:	600 SW 7TH, SUITE M
GWP Address 2:	Not reported
GWP City/State/Zip:	DES MOINES, IA 50309-
GWP Phone:	5152443184
GWP Fax:	Not reported
GWP EMail:	jlkacer@terracon.com
GWP Exp Of Gwp Cert.:	12/31/2005
Is Gwp Certified?:	False
Is Gwp Cert. For CADR?:	False
GWP Business Phone Num:	3196658290
GWP Delete:	False
GWP Memo:	04/04/03: PER E-MAIL FROM GWP, HE NO LONGER WORKS FOR STICKLE ENTERPRISES IN CEDAR RAPIDS. 03/21/04: PER E-MAIL FROM GWP, HE NO LONGER WORKS FOR NORTHERN ENVIRONMENTAL; IS "SELF-EMPLOYED". 06/14/05: PER E-MAIL FROM GWP, HE IS NOW w/TERRACON IN DES MOINES AND WILL LIKELY NOT RENEW GWP STATUS THIS DECEMBER.
Date Received:	04/10/1997
GWP Business Address:	PO BOX 679
GWP City:	NORTH LIBERTY
GWP State:	IA
GWP Zip:	52317-0679

HOSPITIAL SERVICES (Continued) **U001868758**

Qualify Number:	6,,,
Qualify Date:	04/17/1997
Fee Received:	Y
Renewal Date:	12/04/2003
Renewal New:	Y
Date Denied:	Not reported
Warning:	Not reported
Certificate Issued:	12/05/2003
Revoke Date:	Not reported
IAPE:	13350
Degree:	MS-CIVIL, MS-ENVR ENGR
Typeengr:	CIVIL (SEE MEMO)
Transc:	Y
Exper:	Y
Affiliates:	Y
Date Record:	12/06/1999

Lust Misc:

Misc Due Date:	Not reported	Misc Rec Date:	Not reported
Misc Other:	Not reported	Misc Title:	Not reported

Lust Remediation:

Heat Treatment:	False
Land Application:	False
On Site:	False
Achieved Over-Excavation:	False
Soil Venting Passive:	False
Soil Venting Active:	False
BioRemediation Passive:	False
BioRemediation Active:	False
In Situ GW Treatment - Air Sparging:	False
Ground Water:	False
Fresh Water:	False
IGT - pH Adjustment:	False
Nutrient:	False
Oxygen:	False
Biological:	False
Permit Date:	Not reported
Other:	False
Surface Treatment - Carbon Absorption:	False
Biological:	False
ST Other:	False
TDT Sanitary Sewer:	False
TDT Storm Sewer:	False
Stream:	False
TDT Other:	False
Reduced Risk Plugged Well:	False
RR Replace:	False
RR Relocate:	False
RR Other:	False
Delete:	False
Rem Memo:	Not reported

Lust Tier 2 Report:

T2 Assesment Due:	Not reported
T2 Received:	05/26/1999

HOSPITIAL SERVICES (Continued) **U001868758**

T2 Accepted:	08/19/1999
T2 Rejected:	Not reported
T2 Reviewed:	Not reported

Lust Administration:

ID:	1596
Owner Identified:	Yes
Responsible Party Found:	Yes
RP Date:	09/11/1998
Owner Broke:	No
ER Date:	Not reported
Cost Recovery Start Dt:	Not reported
CR Notice of Intent Dt:	Not reported
CR Appeal of NOI Dt:	Not reported
CR Final Decision Dt:	Not reported
CR EP Comm Lien Approval Dt:	Not reported
CR Lien:	Not reported
CR Ten Yr Renewal Dt:	Not reported
CR Lien Named:	False
CR Remediation:	Not reported
Delete:	False
CR Amnt Received:	Not reported
CR End Date:	Not reported
Memo:	Not reported

Lust Bedrock Well:

ID:	153
Category:	Non Granular
Sample Water Supply:	False
GIS Survey:	False

Lust Track:

ID:	1596
Site Assesment Start Date:	11/05/1998
Free Product Recvry End Date:	Not reported
FP Letter Sent Date:	Not reported
FP Report Frequency:	Not reported
Assesment Report Due:	Not reported
Assesment Report Received:	Not reported
Assesment Report Approved:	Not reported
Achieved Over-Excavation:	Not reported
Release Not Verified Date:	Not reported
Ref to Contaminated Site Section:	Not reported
Cleanup Start Date:	1998-11-05
Cleanup Complete Date:	2003-07-21
Cleanup Report Due Date:	Not reported
Cleanup Report Received Date:	Not reported
Cleanup Report Approved Date:	Not reported
Check Report Due Date:	Not reported
Check Report Received Date:	Not reported
Check Report Rejected Date:	Not reported
Check Report Approved Date:	Not reported
Date Classified:	2003-07-21
Risk Classification -NFA:	True
Class - Low Risk:	False
Class - High Risk:	False

HOSPITIAL SERVICES (Continued) **U001868758**

Lust Current:	No Action Required
Tier 1 Consultant Recommends:	Not reported
T1 Actual GW Ingestion:	False
T1 Poten GW Ingestion from Protected GW:	False
T1 Poten GW Ingestion from Protected GW:	False
T1 GW Vapor to Enclosed Space:	False
T1 GW to Plastic Water Line:	False
T1 Surface Water:	False
T1 Soil Leaching to GW:	False
T1 Soil Vapor to Enclosed Space:	False
T1 Soil to Plastic Line:	False
Tier 2 Consultant Recommends:	NFA
T2 Actual GW Ingestion:	NFA
T2 Poten GW Ingestion from Protected GW:	NFA
T2 Poten GW Ingestion from Protected GW:	NFA
T2 GW Vapor to Enclosed Space:	NFA
T2 GW to Plastic Water Line:	NFA
T2 SW General Use:	NFA
T2 SW Designated Use:	NFA
T2 Soil Leaching to GW:	NFA
T2 Soil Vapor to Enclosed Space:	NFA
T2 Soil to Plastic Line:	NFA
Institutional Control Obtained:	False
NFA Certificate Sent:	2003-08-27
No Action Required:	**False**
Priority Ranking:	3
Delete:	False
Track Memo:	11/05/98: REQUIRED T2 (BEDROCK), DUE 5/9/99.05/26/99: REC'D TIER 2 REPORT AND DISK.08/19/99: Accepted T2 and high risk classifiaction, monitoring only, SMR due 10/30/00.11/09/00: REC'D SMR.09/11/01: REC'D SMR REQ RECLASS. SMR TIER 2 DISK.08/21/02: SENT SMR RECLASS TO PEI. --se07/21/03: ACCEPT SMR/NFA LETTER SENT.bdj08/25/03: REC'D ABANDONED WATER WELL PLUGGING RECORDS & LEGAL DESCRIPTION. Bsg

UST:

Facility Id:	3592
Loc Id:	3592
Registration:	198603092
Owner Type:	County
Financial Code:	16
Insurer's Name:	Not reported
Policy Number:	Not reported
Policy Start Date:	Not reported
Policy End Date:	Not reported
Registration Sign Date:	03/10/1986
Created By:	migration
Created Date:	01/08/2007
Changed By:	Kock-Niedermayer.Lisa
Last Changed:	08/05/2014
Latitude:	43.38103
Longitude:	-92.11829
Otype ID Decode:	County

Tank Info:

HOSPITIAL SERVICES (Continued) **U001868758**

Tank Num: 8437
In Use: False
Tank Type: 4
Tank Brand Id: Not reported
Inert Material Id: Not reported
Filled In Place: Not reported
Material Construction: Double Wall Steel
Emergency Power Gen: Not reported

Tank Num: 8438
In Use: False
Tank Type: 4
Tank Brand Id: Not reported
Inert Material Id: Not reported
Filled In Place: Not reported
Material Construction: Double Wall Steel
Emergency Power Gen: Not reported

Tank Num: 8439
In Use: True
Tank Type: 4
Tank Brand Id: Not reported
Inert Material Id: Not reported
Filled In Place: Not reported
Material Construction: Composite (steel with FRP)
Emergency Power Gen: Not reported

IA Financial Assurance 1:
Facility ID: 198603092
Insurers Name: Not reported
Policy End Date: Not reported
Site Status: Not reported
Financial Code: 16
Policy Number: Not reported
Policy Start Date: Not reported

Count: 0 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address
		NO SITES FOUND	

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

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

Date of Government Version: 05/13/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 23

Source: EPA
Telephone: N/A
Last EDR Contact: 07/06/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

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

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

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

Date of Government Version: 05/13/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 23

Source: EPA
Telephone: N/A
Last EDR Contact: 07/06/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

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

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

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

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

Date of Government Version: 05/13/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 23

Source: EPA
Telephone: N/A
Last EDR Contact: 07/06/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

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

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 92

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 07/06/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

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

Date of Government Version: 05/18/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 23

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 07/06/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

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

Date of Government Version: 05/18/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 23

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 07/06/2018
Next Scheduled EDR Contact: 07/30/2018
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/28/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

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

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 913-551-7003
Last EDR Contact: 06/28/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 913-551-7003
Last EDR Contact: 06/28/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 913-551-7003
Last EDR Contact: 06/28/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

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

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 913-551-7003
Last EDR Contact: 06/28/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

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

Date of Government Version: 02/16/2018
Date Data Arrived at EDR: 02/22/2018
Date Made Active in Reports: 05/11/2018
Number of Days to Update: 78

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 05/09/2018
Next Scheduled EDR Contact: 08/27/2018
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

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

Date of Government Version: 02/13/2018
Date Data Arrived at EDR: 02/27/2018
Date Made Active in Reports: 05/11/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/29/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

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

Date of Government Version: 02/13/2018
Date Data Arrived at EDR: 02/27/2018
Date Made Active in Reports: 05/11/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/29/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

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

Date of Government Version: 03/19/2018
Date Data Arrived at EDR: 03/27/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 73

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/27/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

SHWS: Registry of Hazardous Waste or Hazardous Substance Disposal Sites

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: 12/31/2017
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 02/23/2018
Number of Days to Update: 30

Source: Department of Natural Resources
Telephone: 515-281-8801
Last EDR Contact: 07/16/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Annually

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

SWF/LF: Permitted Solid Waste Management 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: 06/04/2018
Date Data Arrived at EDR: 06/06/2018
Date Made Active in Reports: 07/13/2018
Number of Days to Update: 37

Source: Department of Natural Resources
Telephone: 515-281-8801
Last EDR Contact: 06/06/2018
Next Scheduled EDR Contact: 09/17/2018
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LAST: Leaking Aboveground Storage Tank Sites

A listing of leaking aboveground storage tank sites.

Date of Government Version: 04/16/2018
Date Data Arrived at EDR: 04/17/2018
Date Made Active in Reports: 05/23/2018
Number of Days to Update: 36

Source: Department of Natural Resources
Telephone: 515-281-6001
Last EDR Contact: 07/18/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Quarterly

LUST: Leaking Underground Storage Tank Data

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

Date of Government Version: 06/04/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/16/2018
Number of Days to Update: 33

Source: Department of Natural Resources
Telephone: 515-281-6001
Last EDR Contact: 05/31/2018
Next Scheduled EDR Contact: 09/17/2018
Data Release Frequency: Quarterly

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

Date of Government Version: 10/12/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

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

Date of Government Version: 10/12/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

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

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

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

Date of Government Version: 10/24/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 01/06/2018
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

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

Date of Government Version: 10/14/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

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

Date of Government Version: 10/14/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 05/16/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/16/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

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: 07/11/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Varies

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

Date of Government Version: 06/04/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/13/2018
Number of Days to Update: 30

Source: Department of Natural Resources
Telephone: 515-281-6001
Last EDR Contact: 05/31/2018
Next Scheduled EDR Contact: 09/17/2018
Data Release Frequency: Quarterly

AST: Aboveground Storage Tank Sites
Bulk fuel facilities, commercial fuel operations, private farm sites, and any other storage facility that meets the Department of Public Safety?s registration criteria. They register any class I, II or III petroleum product (gas, diesel and oil) above 1,100 gallons.

Date of Government Version: 06/21/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/13/2018
Number of Days to Update: 17

Source: Department of Public Safety
Telephone: 515-281-5821
Last EDR Contact: 06/21/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 10/24/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/12/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

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

Date of Government Version: 01/13/2018
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/16/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/24/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 12/08/2017
Number of Days to Update: 134

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/14/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 05/16/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/14/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

INST CONTROL: Sites with Institutional Controls
Sites currently enrolled in the Land Recycling Program that have Institutional Controls.

Date of Government Version: 04/16/2018
Date Data Arrived at EDR: 04/17/2018
Date Made Active in Reports: 05/23/2018
Number of Days to Update: 36

Source: Department of Natural Resources
Telephone: 515-242-5818
Last EDR Contact: 07/18/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

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

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 06/22/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Varies

VCP: Land Recycling Program Sites
Sites currently enrolled in the Land Recycling Program.

Date of Government Version: 04/16/2018
Date Data Arrived at EDR: 04/17/2018
Date Made Active in Reports: 05/23/2018
Number of Days to Update: 36

Source: Department of Natural Resources
Telephone: 515-242-5818
Last EDR Contact: 07/18/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Varies

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

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Site Listing
Brownfields are abandoned, idled, or under-used industrial and commercial facilities where expansion or redevelopment is complicated by real or perceived environmental contamination.

Date of Government Version: 04/16/2018
Date Data Arrived at EDR: 04/17/2018
Date Made Active in Reports: 05/23/2018
Number of Days to Update: 36

Source: Department of Natural Resources
Telephone: 515-281-8489
Last EDR Contact: 07/18/2018
Next Scheduled EDR Contact: 10/29/2018
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: 03/19/2018
Date Data Arrived at EDR: 03/21/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/20/2018
Next Scheduled EDR Contact: 10/01/2018
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

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

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

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 01/30/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Varies

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

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

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

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

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

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

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

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 05/04/2018
Next Scheduled EDR Contact: 08/13/2018
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

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

Date of Government Version: 02/22/2018
Date Data Arrived at EDR: 03/01/2018
Date Made Active in Reports: 05/11/2018
Number of Days to Update: 71

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/30/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: No Update Planned

ALLSITES: Contaminated Sites Tracking Database
All the sites included in the Contaminated Sites Tracking Database. The database includes several regulatory complinace programs and actions.

Date of Government Version: 04/16/2018
Date Data Arrived at EDR: 04/17/2018
Date Made Active in Reports: 05/23/2018
Number of Days to Update: 36

Source: Department of Natural Resources
Telephone: 515-281-4171
Last EDR Contact: 07/18/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Quarterly

DEL SHWS: Delisted Contaminated Sites Listing
A listing of sites delisted from the Contaminated Sites Listing.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 02/23/2018
Number of Days to Update: 30

Source: Department of Natural Resources
Telephone: 515-281-8801
Last EDR Contact: 07/16/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Annually

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

Date of Government Version: 02/22/2018
Date Data Arrived at EDR: 03/01/2018
Date Made Active in Reports: 05/11/2018
Number of Days to Update: 71

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/30/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: Quarterly

Local Land Records

LIENS: Liens Filed Listing
A listing of liens filed with the Iowa Comprehensive Petroleum Underground Storage Tank Fund.

Date of Government Version: 04/17/2018
Date Data Arrived at EDR: 04/23/2018
Date Made Active in Reports: 05/23/2018
Number of Days to Update: 30

Source: Department of Natural Resources
Telephone: 515-281-5523
Last EDR Contact: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

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: 05/13/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 30

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 07/06/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

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

Date of Government Version: 03/26/2018
Date Data Arrived at EDR: 03/27/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 73

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/27/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

SPILLS: Spills Database

Spill reporting data that is collected during the initial report of an incident.

Date of Government Version: 03/06/2018
Date Data Arrived at EDR: 03/07/2018
Date Made Active in Reports: 03/23/2018
Number of Days to Update: 16

Source: Department of Natural Resources
Telephone: 515-281-4367
Last EDR Contact: 06/06/2018
Next Scheduled EDR Contact: 09/17/2018
Data Release Frequency: Annually

SPILLS 90: SPILLS90 data from FirstSearch

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

Date of Government Version: 10/17/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/05/2013
Number of Days to Update: 61

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: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 913-551-7003
Last EDR Contact: 06/28/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

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

Date of Government Version: 01/31/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 05/25/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Varies

DOD: Department of Defense Sites

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

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

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

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

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

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/13/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

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

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 05/15/2018
Next Scheduled EDR Contact: 08/27/2018
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

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

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/27/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 06/27/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

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

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

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 05/07/2018
Next Scheduled EDR Contact: 08/20/2018
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

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

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

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/08/2018
Next Scheduled EDR Contact: 08/20/2018
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/22/2018
Next Scheduled EDR Contact: 10/01/2018
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

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

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 01/10/2018
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 2

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/25/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

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

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

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/09/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Annually

ROD: Records Of Decision

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

Date of Government Version: 05/13/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 30

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 07/06/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Annually

RMP: Risk Management Plans

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

Date of Government Version: 11/02/2017
Date Data Arrived at EDR: 11/17/2017
Date Made Active in Reports: 12/08/2017
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/20/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

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

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

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

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 10/17/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 3

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 07/06/2018
Next Scheduled EDR Contact: 08/20/2018
Data Release Frequency: Quarterly

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

Date of Government Version: 06/01/2017
Date Data Arrived at EDR: 06/09/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 126

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/13/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Annually

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

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

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 07/09/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Quarterly

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

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

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

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

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

Date of Government Version: 08/30/2016
Date Data Arrived at EDR: 09/08/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 43

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 05/03/2018
Next Scheduled EDR Contact: 08/20/2018
Data Release Frequency: Quarterly

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

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 06/07/2018
Next Scheduled EDR Contact: 09/17/2018
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 06/04/2018
Next Scheduled EDR Contact: 09/17/2018
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

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

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 04/27/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

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

Date of Government Version: 04/03/2018
Date Data Arrived at EDR: 04/05/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 07/05/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Quarterly

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

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

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

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

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

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

DOT OPS: Incident and Accident Data

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

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

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 05/03/2018
Next Scheduled EDR Contact: 08/13/2018
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

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

Date of Government Version: 03/31/2018
Date Data Arrived at EDR: 04/16/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 74

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 07/09/2018
Next Scheduled EDR Contact: 10/01/2018
Data Release Frequency: Varies

BRS: Biennial Reporting System

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

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 06/28/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

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

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

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

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

Date of Government Version: 12/23/2016
Date Data Arrived at EDR: 12/27/2016
Date Made Active in Reports: 02/17/2017
Number of Days to Update: 52

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 05/07/2018
Next Scheduled EDR Contact: 08/20/2018
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

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

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

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 05/13/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 30

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 07/06/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

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

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

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

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

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: 05/03/2018
Date Data Arrived at EDR: 05/31/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 29

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 05/31/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

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

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

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/30/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

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

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

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/30/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

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

Date of Government Version: 03/08/2018
Date Data Arrived at EDR: 03/13/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 87

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 06/20/2018
Next Scheduled EDR Contact: 09/24/2018
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

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

Date of Government Version: 02/21/2018
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 03/23/2018
Number of Days to Update: 28

Source: EPA
Telephone: (913) 551-7003
Last EDR Contact: 06/06/2018
Next Scheduled EDR Contact: 09/17/2018
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

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

Date of Government Version: 01/04/2018
Date Data Arrived at EDR: 01/19/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 06/01/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/30/2016
Date Data Arrived at EDR: 10/31/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 73

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 07/13/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ECHO: Enforcement & Compliance History Information
ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 02/25/2018
Date Data Arrived at EDR: 03/17/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 06/06/2018
Next Scheduled EDR Contact: 09/17/2018
Data Release Frequency: Quarterly

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

Date of Government Version: 02/20/2018
Date Data Arrived at EDR: 02/21/2018
Date Made Active in Reports: 03/23/2018
Number of Days to Update: 30

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 05/23/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Quarterly

AIRS: Minor and Title V Sources Listing
A listing of Minor and Title V sources.

Date of Government Version: 02/16/2018
Date Data Arrived at EDR: 05/22/2018
Date Made Active in Reports: 07/16/2018
Number of Days to Update: 55

Source: Department of Natural Resources
Telephone: 515-281-8468
Last EDR Contact: 06/21/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Site Listing
A listing of coal combustion residue landfill locations.

Date of Government Version: 06/04/2018
Date Data Arrived at EDR: 06/06/2018
Date Made Active in Reports: 07/13/2018
Number of Days to Update: 37

Source: Department of Natural Resources
Telephone: 515-281-8308
Last EDR Contact: 06/06/2018
Next Scheduled EDR Contact: 09/17/2018
Data Release Frequency: Quarterly

DRYCLEANERS: Iowa Drycleaner List
A listing of drycleaners in Iowa.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/16/2018
Date Made Active in Reports: 05/23/2018
Number of Days to Update: 37

Source: Department of Natural Resources
Telephone: 515-242-5100
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
A listing of financial assurance information for underground storage tank 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: 06/04/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/13/2018
Number of Days to Update: 30

Source: Department of Natural Resources
Telephone: 515-242-5086
Last EDR Contact: 05/31/2018
Next Scheduled EDR Contact: 09/17/2018
Data Release Frequency: Quarterly

Financial Assurance 2: Financial Assurance Information Listing
Information for solid 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: 05/31/2018
Date Data Arrived at EDR: 06/05/2018
Date Made Active in Reports: 07/13/2018
Number of Days to Update: 38

Source: Department of Natural Resources
Telephone: 515-242-5818
Last EDR Contact: 05/31/2018
Next Scheduled EDR Contact: 09/17/2018
Data Release Frequency: Varies

NPDES: List of NPDES Permittees

The files listed below contain information on facilities that hold NPDES permits, or those that are authorized to discharge wastewater to surface waters in Iowa.

Date of Government Version: 05/09/2018
Date Data Arrived at EDR: 05/16/2018
Date Made Active in Reports: 05/23/2018
Number of Days to Update: 7

Source: Department of Natural Resources
Telephone: 515-281-4736
Last EDR Contact: 05/16/2018
Next Scheduled EDR Contact: 08/27/2018
Data Release Frequency: Varies

TIER 2: Tier 2 Information Listing

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

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 04/10/2018
Date Made Active in Reports: 05/23/2018
Number of Days to Update: 43

Source: Department of Natural Resources
Telephone: 515-725-0302
Last EDR Contact: 06/14/2018
Next Scheduled EDR Contact: 10/01/2018
Data Release Frequency: 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
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

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

EDR Hist Auto: EDR Exclusive Historical Auto Stations

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

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

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

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

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

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

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

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

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

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

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

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

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

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/26/2013
Number of Days to Update: 178

Source: Department of 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.

CT MANIFEST: Hazardous Waste Manifest Data

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

Date of Government Version: 01/03/2018
Date Data Arrived at EDR: 02/14/2018
Date Made Active in Reports: 03/22/2018
Number of Days to Update: 36

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/27/2018
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 04/11/2017
Date Made Active in Reports: 07/27/2017
Number of Days to Update: 107

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/13/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 04/30/2018
Date Data Arrived at EDR: 05/03/2018
Date Made Active in Reports: 06/07/2018
Number of Days to Update: 35

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 05/03/2018
Next Scheduled EDR Contact: 08/13/2018
Data Release Frequency: Quarterly

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: 05/21/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/15/2018
Date Made Active in Reports: 07/09/2018
Number of Days to Update: 24

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/11/2018
Next Scheduled EDR Contact: 09/24/2018
Data Release Frequency: Annually

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

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

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

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

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

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

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

Daycare Centers: Child Care Facilities
Source: Department of Human Services
Telephone: 515-281-4357

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

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

State Wetlands Data: National Wetland Inventory of Iowa
Source: Department of Natural Resources
Telephone: 319-335-1575

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

616 6TH AVENUE WEST
616 6TH AVENUE WEST
CRESCO, IA 52136

TARGET PROPERTY COORDINATES

Latitude (North):	43.378632 - 43° 22' 43.08''
Longitude (West):	92.125892 - 92° 7' 33.21''
Universal Tranverse Mercator:	Zone 15
UTM X (Meters):	570810.2
UTM Y (Meters):	4803018.0
Elevation:	1290 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5943068 CRESCO NW, IA
Version Date:	2013
Northeast Map:	5943114 CRESCO NE, IA
Version Date:	2013
Southeast Map:	5943070 CRESCO SE, IA
Version Date:	2013
Southwest Map:	5943072 CRESCO SW, IA
Version Date:	2013

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

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

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

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

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

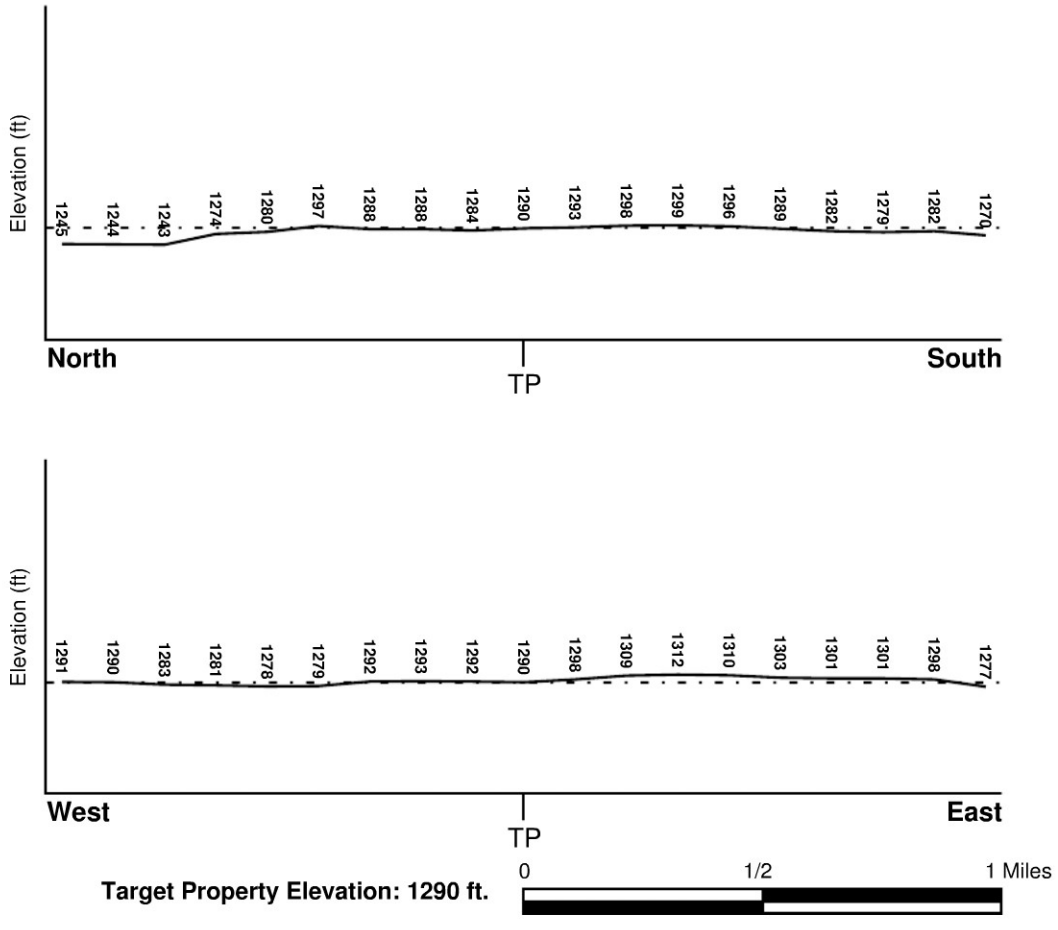
TOPOGRAPHIC INFORMATION

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

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General WNW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

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

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

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
19089C0100B	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
19089C0125B	FEMA FIRM Flood data
19089C0225B	FEMA FIRM Flood data
19089C0250B	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

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

HYDROGEOLOGIC INFORMATION

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

AQUIFLOW®

Search Radius: 1.000 Mile.

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

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

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

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

ROCK STRATIGRAPHIC UNIT

Era:	Paleozoic
System:	Devonian
Series:	Middle Devonian
Code:	D2 *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

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

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:	ROCKTON
Soil Surface Texture:	loam
Hydrologic Group:	Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.
Soil Drainage Class:	Well drained. 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:	LOW
Depth to Bedrock Min:	> 20 inches
Depth to Bedrock Max:	> 40 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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	15 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 2.00 Min: 0.60	Max: 6.50 Min: 5.10
2	15 inches	26 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 2.00 Min: 0.60	Max: 6.50 Min: 5.10
3	26 inches	31 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 2.00 Min: 0.60	Max: 7.30 Min: 5.60
4	31 inches	35 inches	weathered bedrock	Not reported	Not reported	Max: 20.00 Min: 2.00	Max: 0.00 Min: 0.00

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: loamy fine sand
silt loam
sandy loam

Surficial Soil Types: loamy fine sand
silt loam
sandy loam

Shallow Soil Types: clay loam
sandy loam
silt loam

Deeper Soil Types: unweathered bedrock
flaggy - loam
fine sand
clay loam
loam

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

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

WELL SEARCH DISTANCE INFORMATION

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
D20	USGS40000322631	1/4 - 1/2 Mile ENE
K68	USGS40000322609	1/2 - 1 Mile SSE
N76	USGS40000322593	1/2 - 1 Mile SSE
141	USGS40000322608	1/2 - 1 Mile WSW
AP220	USGS40000322579	1/2 - 1 Mile SSE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
L79	IA4515783	1/2 - 1 Mile ENE

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

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	IAPW30000035238	1/8 - 1/4 Mile SSE
A2	IAPU30000183272	1/8 - 1/4 Mile SSE
A3	IAPU30000183317	1/8 - 1/4 Mile SE
A4	IAPW30000029528	1/8 - 1/4 Mile SE
5	IAPU30000183371	1/8 - 1/4 Mile East
A6	IAPW30000000238	1/8 - 1/4 Mile SSE
A7	IAPU30000183248	1/8 - 1/4 Mile SSE
B8	IAPU30000183375	1/8 - 1/4 Mile ESE
B9	IAPW30000055544	1/8 - 1/4 Mile ESE
C10	IAPU30000182651	1/4 - 1/2 Mile WSW
C11	IAAD20000000077	1/4 - 1/2 Mile WSW
D12	IAPU30000183503	1/4 - 1/2 Mile ENE
D13	IAUS20000002342	1/4 - 1/2 Mile ENE
D14	IAPU30000183544	1/4 - 1/2 Mile ENE
D15	IAPU30000183509	1/4 - 1/2 Mile ENE
E16	IAPW30000030386	1/4 - 1/2 Mile SE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
E17	IAPU30000183495	1/4 - 1/2 Mile SE
E18	IAPU30000183473	1/4 - 1/2 Mile SE
E19	IAPW30000039640	1/4 - 1/2 Mile SE
F21	IAPW30000034183	1/4 - 1/2 Mile NE
F22	IAPU30000183555	1/4 - 1/2 Mile NE
23	IAPU30000182901	1/4 - 1/2 Mile SSW
G24	IAPU30000183900	1/2 - 1 Mile East
G25	IAPW30000036982	1/2 - 1 Mile East
H26	IAPU30000183746	1/2 - 1 Mile SE
H27	IAPW30000052866	1/2 - 1 Mile SE
28	IAPW30000103563	1/2 - 1 Mile ENE
I29	IAPU30000183037	1/2 - 1 Mile South
I30	IAPW30000015791	1/2 - 1 Mile South
J31	IAPW30000000553	1/2 - 1 Mile NNE
J32	IAPU30000183366	1/2 - 1 Mile NNE
33	IAPW30000092406	1/2 - 1 Mile ESE
H34	IAPU30000183752	1/2 - 1 Mile SE
K35	IAPU30000183671	1/2 - 1 Mile SE
K36	IAPU30000183652	1/2 - 1 Mile SE
K37	IAPU30000183635	1/2 - 1 Mile SE
K38	IAPU30000183634	1/2 - 1 Mile SE
K39	IAPU30000183636	1/2 - 1 Mile SE
K40	IAPU30000183658	1/2 - 1 Mile SE
K41	IAPU30000183650	1/2 - 1 Mile SE
K42	IAPU30000183666	1/2 - 1 Mile SE
K43	IAPU30000183647	1/2 - 1 Mile SE
H44	IAPU30000183790	1/2 - 1 Mile SE
K45	IAPU30000183694	1/2 - 1 Mile SE
K46	IAPU30000183654	1/2 - 1 Mile SE
K47	IAPU30000183648	1/2 - 1 Mile SE
H48	IAPU30000183794	1/2 - 1 Mile SE
K49	IAPU30000183668	1/2 - 1 Mile SE
K50	IAPU30000183641	1/2 - 1 Mile SE
K51	IAPU30000183653	1/2 - 1 Mile SE
K52	IAPU30000183640	1/2 - 1 Mile SE
K53	IAPU30000183681	1/2 - 1 Mile SE
K54	IAPU30000183676	1/2 - 1 Mile SE
K55	IAPU30000183656	1/2 - 1 Mile SE
K56	IAPU30000183686	1/2 - 1 Mile SE
K57	IAPU30000183672	1/2 - 1 Mile SE
K58	IAPU30000183575	1/2 - 1 Mile SSE
K59	IAUS20000003515	1/2 - 1 Mile SSE
K60	IAUS20000000480	1/2 - 1 Mile SSE
K61	IAPU30000183579	1/2 - 1 Mile SSE
K62	IAPU30000183611	1/2 - 1 Mile SSE
K63	IAPU30000183590	1/2 - 1 Mile SSE
K64	IAPU30000183591	1/2 - 1 Mile SSE
K65	IAPU30000183605	1/2 - 1 Mile SSE
K66	IAPU30000183601	1/2 - 1 Mile SSE
J67	IAPU30000183319	1/2 - 1 Mile NNE
J69	IAPR30000084472	1/2 - 1 Mile NNE
K70	IAPU30000183698	1/2 - 1 Mile SE

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
K71	IAPW30000045125	1/2 - 1 Mile SE
L72	IAPU30000183907	1/2 - 1 Mile ENE
L73	IAPW30000022729	1/2 - 1 Mile ENE
M74	IAPU30000183437	1/2 - 1 Mile SSE
M75	IAPW30000062260	1/2 - 1 Mile SSE
77	IAPU30000183928	1/2 - 1 Mile ESE
N78	IAPW30000086367	1/2 - 1 Mile SSE
O80	IAPU30000183235	1/2 - 1 Mile NNE
O81	IAPU30000183234	1/2 - 1 Mile NNE
O82	IAPU30000183264	1/2 - 1 Mile NNE
O83	IAPR30000014496	1/2 - 1 Mile NNE
O84	IAPR30000006849	1/2 - 1 Mile NNE
O85	IAPR30000053652	1/2 - 1 Mile NNE
O86	IAPR30000046341	1/2 - 1 Mile NNE
P87	IAPW30000026872	1/2 - 1 Mile NE
P88	IAPU30000183806	1/2 - 1 Mile NE
O89	IAPU30000183227	1/2 - 1 Mile NNE
90	IAPU30000184007	1/2 - 1 Mile ESE
Q91	IAPR30000006855	1/2 - 1 Mile WNW
Q92	IAPR30000053553	1/2 - 1 Mile WNW
Q93	IAPR30000053555	1/2 - 1 Mile WNW
Q94	IAPU30000181992	1/2 - 1 Mile WNW
Q95	IAPU30000182000	1/2 - 1 Mile WNW
Q96	IAPU30000182020	1/2 - 1 Mile WNW
R97	IAPW30000028894	1/2 - 1 Mile NE
R98	IAPU30000183800	1/2 - 1 Mile NE
S99	IAPW30000060019	1/2 - 1 Mile South
S100	IAPU30000183360	1/2 - 1 Mile South
T101	IAPW30000000787	1/2 - 1 Mile WNW
T102	IAPU30000181858	1/2 - 1 Mile WNW
U103	IAPU30000182140	1/2 - 1 Mile SW
V104	IAPU30000183534	1/2 - 1 Mile SSE
V105	IAPW30000057479	1/2 - 1 Mile SSE
U106	IAPU30000182113	1/2 - 1 Mile SW
U107	IAPU30000182135	1/2 - 1 Mile SW
U108	IAPU30000182141	1/2 - 1 Mile SW
U109	IAPU30000182105	1/2 - 1 Mile SW
U110	IAPU30000182146	1/2 - 1 Mile SW
U111	IAPR30000006979	1/2 - 1 Mile SW
U112	IAPR30000006978	1/2 - 1 Mile SW
U113	IAPR30000006977	1/2 - 1 Mile SW
U114	IAPR30000032865	1/2 - 1 Mile SW
U115	IAPR30000032871	1/2 - 1 Mile SW
U116	IAPR30000032868	1/2 - 1 Mile SW
U117	IAPR30000032867	1/2 - 1 Mile SW
U118	IAPU30000182123	1/2 - 1 Mile SW
119	IAPU30000184188	1/2 - 1 Mile East
120	IAPU30000182931	1/2 - 1 Mile SSW
121	IAPU30000182613	1/2 - 1 Mile SSW
W122	IAPU30000184070	1/2 - 1 Mile SE
W123	IAPW30000089780	1/2 - 1 Mile SE
X124	IAPU30000183913	1/2 - 1 Mile NE

STATE DATABASE WELL INFORMATION

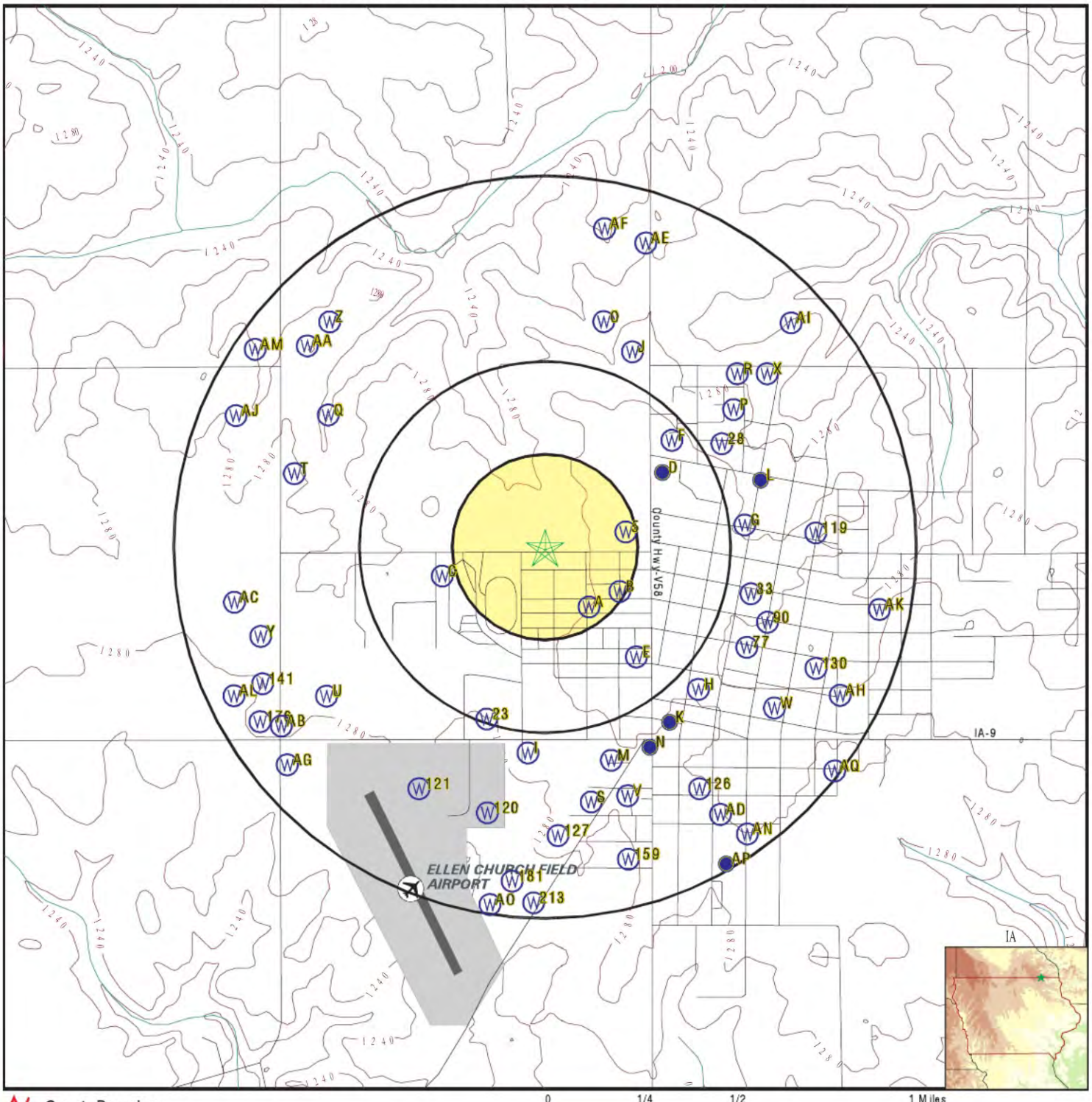
MAP ID	WELL ID	LOCATION FROM TP
X125	IAPW30000056862	1/2 - 1 Mile NE
126	IAPU30000183819	1/2 - 1 Mile SSE
127	IAPU30000183255	1/2 - 1 Mile South
Y128	IAPU30000181785	1/2 - 1 Mile WSW
Y129	IAPW30000000986	1/2 - 1 Mile WSW
130	IAPU30000184236	1/2 - 1 Mile ESE
Y131	IAPW30000000762	1/2 - 1 Mile WSW
Y132	IAPU30000181729	1/2 - 1 Mile WSW
Z133	IAPU30000181965	1/2 - 1 Mile NW
AA134	IAPU30000181856	1/2 - 1 Mile NW
Z135	IAPR30000007017	1/2 - 1 Mile NW
Z136	IAPR30000024900	1/2 - 1 Mile NW
Z137	IAPU30000181971	1/2 - 1 Mile NW
AA138	IAPU30000181867	1/2 - 1 Mile NW
AB139	IAPW30000031341	1/2 - 1 Mile SW
AB140	IAPU30000181938	1/2 - 1 Mile SW
AC142	IAPU30000181638	1/2 - 1 Mile West
AC143	IAPU30000181594	1/2 - 1 Mile West
AC144	IAPU30000181617	1/2 - 1 Mile West
AC145	IAPR30000024904	1/2 - 1 Mile West
AC146	IAPR30000006841	1/2 - 1 Mile West
AC147	IAPR30000006840	1/2 - 1 Mile West
AC148	IAPR30000054875	1/2 - 1 Mile West
AC149	IAPR30000054738	1/2 - 1 Mile West
AC150	IAPR30000054436	1/2 - 1 Mile West
AC151	IAPU30000181587	1/2 - 1 Mile West
AC152	IAPU30000181621	1/2 - 1 Mile West
AC153	IAPU30000181633	1/2 - 1 Mile West
AD154	IAPW30000005292	1/2 - 1 Mile SSE
AD155	IAPU30000183904	1/2 - 1 Mile SSE
AE156	IAPU30000183364	1/2 - 1 Mile NNE
AE157	IAPW30000001399	1/2 - 1 Mile NNE
AF158	IAPU30000183185	1/2 - 1 Mile North
159	IAPU30000183548	1/2 - 1 Mile SSE
AF160	IAPU30000183223	1/2 - 1 Mile North
AB161	IAPU30000181836	1/2 - 1 Mile WSW
AB162	IAPW30000067231	1/2 - 1 Mile WSW
AF163	IAPR30000006997	1/2 - 1 Mile North
AF164	IAPR30000006998	1/2 - 1 Mile North
AF165	IAPR30000038695	1/2 - 1 Mile North
AF166	IAPU30000183191	1/2 - 1 Mile North
AG167	IAPW30000052994	1/2 - 1 Mile SW
AG168	IAPU30000182001	1/2 - 1 Mile SW
AH169	IAPW30000033611	1/2 - 1 Mile ESE
AH170	IAPU30000184352	1/2 - 1 Mile ESE
AH171	IAPU30000184339	1/2 - 1 Mile ESE
AH172	IAPW30000046277	1/2 - 1 Mile ESE
AI173	IAPU30000184003	1/2 - 1 Mile NE
AI174	IAPR30000026430	1/2 - 1 Mile NE
AJ175	IAPU30000181539	1/2 - 1 Mile WNW
176	IAPU30000181780	1/2 - 1 Mile WSW
AK177	IAPU30000184427	1/2 - 1 Mile ESE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
AK178	IAPW30000012535	1/2 - 1 Mile ESE
AJ179	IAPU30000181523	1/2 - 1 Mile WNW
AJ180	IAPU30000181512	1/2 - 1 Mile WNW
181	IAPU30000183049	1/2 - 1 Mile South
AJ182	IAPR30000009329	1/2 - 1 Mile WNW
AJ183	IAPR30000007012	1/2 - 1 Mile WNW
AJ184	IAPR30000007011	1/2 - 1 Mile WNW
AJ185	IAPR30000009356	1/2 - 1 Mile WNW
AJ186	IAPR30000054732	1/2 - 1 Mile WNW
AJ187	IAPR30000049068	1/2 - 1 Mile WNW
AJ188	IAPR30000032881	1/2 - 1 Mile WNW
AJ189	IAPU30000181552	1/2 - 1 Mile WNW
AJ190	IAPU30000181549	1/2 - 1 Mile WNW
AJ191	IAPU30000181537	1/2 - 1 Mile WNW
AJ192	IAPU30000181543	1/2 - 1 Mile WNW
AG193	IAPU30000181930	1/2 - 1 Mile SW
AG194	IAPW30000052318	1/2 - 1 Mile SW
AG195	IAPU30000181928	1/2 - 1 Mile SW
AG196	IAPW30000052864	1/2 - 1 Mile SW
AL197	IAPU30000181669	1/2 - 1 Mile WSW
AL198	IAPU30000181672	1/2 - 1 Mile WSW
AL199	IAPR30000026419	1/2 - 1 Mile WSW
AL200	IAPR30000053837	1/2 - 1 Mile WSW
AL201	IAPR30000061640	1/2 - 1 Mile WSW
AL202	IAPU30000181663	1/2 - 1 Mile WSW
AK203	IAPU30000184484	1/2 - 1 Mile East
AK204	IAPW30000000206	1/2 - 1 Mile East
AM205	IAPU30000181632	1/2 - 1 Mile NW
AM206	IAPU30000181611	1/2 - 1 Mile NW
AM207	IAPR30000082369	1/2 - 1 Mile NW
AN208	IAPU30000184024	1/2 - 1 Mile SE
AN209	IAPU30000184035	1/2 - 1 Mile SE
AN210	IAPU30000184009	1/2 - 1 Mile SE
AM211	IAPW30000000813	1/2 - 1 Mile WNW
AM212	IAPU30000181557	1/2 - 1 Mile WNW
213	IAPU30000183156	1/2 - 1 Mile South
AO214	IAPU30000182974	1/2 - 1 Mile South
AO215	IAPR30000046251	1/2 - 1 Mile South
AP216	IAPU30000183935	1/2 - 1 Mile SSE
AP217	IAPU30000183966	1/2 - 1 Mile SSE
AQ218	IAPW30000060517	1/2 - 1 Mile SE
AQ219	IAPU30000184342	1/2 - 1 Mile SE

PHYSICAL SETTING SOURCE MAP - 5367969.2s



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Oil, gas or related wells

SITE NAME:	616 6th Avenue West	CLIENT:	Property Solutions, Inc.
ADDRESS:	616 6th Avenue West Cresco IA 52136	CONTACT:	Brian Gallagher
		INQUIRY #:	5367969.2s
LAT/LONG:	43.378632 / 92.125892	DATE:	July 20, 2018 10:13 am

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
A1		
SSE	**IA WELLS**	**IAPW30000035238**
1/8 - 1/4 Mile		
Higher		

Objectid:	35238	Iwellid:	2123970
Wellnmbr:	2110162	Pmtnmbr:	Not Reported
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	22		
Qqqqq:	SW, NE, SE, NE, NW		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	40		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.3764		
Longitude:	-92.1239		
Dte done:	01-JAN-01		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	McCarville, Linda		
Cnstr mthd:	Unknown		
Fm rmk:	Not Reported		
Well use:	Household		
Status:	Plugged		
Ht pmp no:	0		
Permit:	Not Reported	Plugging:	X
Renovate:	Not Reported	Test:	Not Reported
Xcoord:	570972.192705		
Ycoord:	4802987.43025		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	0
Has constr:	0		
Wnumber:	0		
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2110162&reportName=WellPrintout		
Site id:	IAPW30000035238		

A2		
SSE	**IA WELLS**	**IAPU30000183272**
1/8 - 1/4 Mile		
Higher		

Mapid:	183272	Wellid:	2110162
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 22, SW, NE, SE, NE, NW
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	40	C p date:	01/01/1901
Owner name:	McCarville, Linda		
Other info:	Status: Plugged; Well use: Household		
Xcoord:	570972.192705		
Ycoord:	4802987.43025		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2110162&reportName=WellPrintout		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Site id: IAPU30000183272

A3
SE
1/8 - 1/4 Mile
Higher

IA WELLS **IAPU30000183317**

Mapid:	183317	Wellid:	2104821
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 22, SW, NE, NW, SW, SW
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	43	C p date:	01/01/1901
Owner name:	Bakken, Durwin		
Other info:	Status: Plugged; Well use: Household		
Xcoord:	571060.719359		
Ycoord:	4803043.89491		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2104821&reportName=WellPrintout		
Site id:	IAPU30000183317		

A4
SE
1/8 - 1/4 Mile
Higher

IA WELLS **IAPW30000029528**

Objectid:	29528	Iwellid:	2116374
Wellnmbr:	2104821	Pmtnmbr:	Not Reported
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	22		
Qqqqq:	SW, NE, NW, SW, SW		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	43		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.3769		
Longitude:	-92.1228		
Dte done:	01-JAN-01		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	Bakken, Durwin		
Cnstr mthd:	Unknown		
Fm rmk:	Not Reported		
Well use:	Household		
Status:	Plugged		
Ht pmp no:	0		
Permit:	Not Reported	Plugging:	X
Renovate:	Not Reported	Test:	Not Reported
Xcoord:	571060.719359		
Ycoord:	4803043.89491		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	0

Has constr:	0
Wnumber:	0
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2104821&reportName=WellPrintout
Site id:	IAPW30000029528

5
East
1/8 - 1/4 Mile
Higher

IA WELLS **IAPU30000183371**

Mapid:	183371	Wellid:	27937
Id src fld:	recordno	Datasrc:	PVTP
Well type:	Permitted private wells	Location:	T. 99 N., R. 11 W., Sec. 22, NE, SE, SE
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	unkn	C p date:	10/18/2000
Owner name:	Andera		
Other info:	Primary use:		
Xcoord:	571157.94		
Ycoord:	4803303		
Hlink:	Not Reported		
Site id:	IAPU30000183371		

A6
SSE
1/8 - 1/4 Mile
Higher

IA WELLS **IAPW30000000238**

Objectid:	238	Iwellid:	2075558
Wellnmbr:	2075353	Pmtnmbr:	Not Reported
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	22		
Qqqqq:	SW, NE, SE, NE, SE		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	12		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.3756		
Longitude:	-92.1239		
Dte done:	11-DEC-01		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	Saltou, Chuck		
Cnstr mthd:	Unknown		
Fm rmk:	Not Reported		
Well use:	Household		
Status:	Plugged		
Ht pmp no:	0		
Permit:	Not Reported	Plugging:	X
Renovate:	Not Reported	Test:	Not Reported
Xcoord:	570973.125784		
Ycoord:	4802898.58514		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	0

Has constr:	0
Wnumber:	0
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2075353&reportName=WellPrintout
Site id:	IAPW30000000238

A7
SSE **IA WELLS** **IAPU30000183248**
1/8 - 1/4 Mile
Higher

Mapid:	183248	Wellid:	2075353
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 22, SW, NE, SE, NE, SE
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	12	C p date:	12/11/2001
Owner name:	Saltou, Chuck		
Other info:	Status: Plugged; Well use: Household		
Xcoord:	570973.125784		
Ycoord:	4802898.58514		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2075353&reportName=WellPrintout		
Site id:	IAPU30000183248		

B8
ESE **IA WELLS** **IAPU30000183375**
1/8 - 1/4 Mile
Higher

Mapid:	183375	Wellid:	2138551
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 22, NE, SW, SW, SE, NE
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	28	C p date:	01/01/1901
Owner name:	Munkel, Herold		
Other info:	Status: Plugged; Well use: Household		
Xcoord:	571134.271972		
Ycoord:	4803045.00197		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2138551&reportName=WellPrintout		
Site id:	IAPU30000183375		

B9
ESE **IA WELLS** **IAPW30000055544**
1/8 - 1/4 Mile
Higher

Objectid:	55544	Iwellid:	2169188
Wellnmbr:	2138551	Pmtnmbr:	Not Reported
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	22		
Qqqqq:	NE, SW, SW, SE, NE		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	28		

Br depth:	0		
Wtr depth:	0		
Latitude:	43.376903		
Longitude:	-92.121892		
Dte done:	01-JAN-01		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	Munkel, Herold		
Cnstr mthd:	Unknown		
Fm rmk:	Not Reported		
Well use:	Household		
Status:	Plugged		
Ht pmp no:	0		
Permit:	Not Reported	Plugging:	X
Renovate:	Not Reported	Test:	Not Reported
Xcoord:	571134.271972		
Ycoord:	4803045.00197		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	0
Has constr:	0		
Wnumber:	0		
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2138551&reportName=WellPrintout		
Site id:	IAPW30000055544		

C10
WSW
1/4 - 1/2 Mile
Higher

IA WELLS **IAPU30000182651**

Mapid:	182651	Wellid:	IAS089500001
Id src fld:	adwno	Datasrc:	ADW
Well type:	Agricultural Drainage Wells	Location:	T. 99N., R. 11W., Sec. 22, SW, NE, NE
County:	Howard	Est loc ac:	+/- 100 m.
Depth:	0	C p date:	no data
Owner name:	Donaldson Company		
Other info:	Status: Closed		
Xcoord:	570364.37		
Ycoord:	4803103.75		
Hlink:	Not Reported		
Site id:	IAPU30000182651		

C11
WSW
1/4 - 1/2 Mile
Higher

IA WELLS **IAAD20000000077**

Utm x:	570364.37		
Utm y:	4803103.75		
Log :	0	Permid:	-999
Gisid 98:	111	Idnrregno:	Not Reported
Adwno:	IAS089500001	Locno:	09911W22XX0
County:	HOWARD	Legal:	NE NE SW, Sec. 22, T99N, R11W
Sect:	22	Township:	99
Range :	11	Abc:	AAC
Loc acc:	LOW		
Loc verify:	Not Reported		

Moved:	0	Lidarcheck:	Not Reported
Class:	Not Reported	Status98:	CLOSED
Status:	CLOSED	Dateclose:	NA
Priority:	Not Reported	Sample :	Not Reported
Remarks:	Not Reported		
Remarks200:	Not Reported		
Depth:	0	Aqrisk:	Not Reported
Diameter:	Not Reported	Intakes:	Not Reported
Intakeno98:	0		
Septic:	Not Reported	Dr agree:	NA
Alt out:	Not Reported	Reviewer:	Not Reported
Received:	Not Reported	Approved:	Not Reported
Finalized:	Not Reported	Csimplmnt:	Not Reported
User :	Donaldson Company	Ufn:	Not Reported
Uln:	Donaldson Company	U add1:	111 Donaldson Court, Rt 3
U add2:	Not Reported	U city:	CRESCO
U st:	IA	U zip:	52136
U phn:	319-547-3030	Agnt:	Not Reported
Agnt add:	Not Reported	Agnt city:	Not Reported
Agnt st:	Not Reported	Agnt zip:	Not Reported
Agnt phne:	Not Reported	Cu1:	Not Reported
Cu1 add:	Not Reported		
Cu2:	Not Reported		
Cu2 add:	Not Reported		
Cu3:	Not Reported		
Cu3 add:	Not Reported		
Cu4:	Not Reported		
Cu4 add:	Not Reported		
Site id:	IAAD20000000077		

D12
ENE
1/4 - 1/2 Mile
Higher

IA WELLS **IAPU30000183503**

Mapid:	183503	Wellid:	17075
Id src fld:	Wnumber	Datasrc:	PUB
Well type:	Public wells	Location:	T. 99N., R. 11W., Sec. 23
County:	Howard	Est loc ac:	GPS
Depth:	1145	C p date:	06/21/1965
Owner name:	Cresco, City Of		
Other info:	Local name: Cresco #3; Status: Active		
Xcoord:	571308		
Ycoord:	4803561		
Hlink:	http://www.igsb.uiowa.edu/webapps/geosam/Scripts/geocard.asp?wnumber=17075		
Site id:	IAPU30000183503		

D13
ENE
1/4 - 1/2 Mile
Higher

IA WELLS **IAUS20000002342**

Maplabelna:	Cresco WS-W2884		
Legendtype:	39	Publicview:	0
Locid:	20000315343		
Stfacid:	310345203		
Progid:	1925		
Facname:	Cresco Waterworks		
Opstatus:	Drilled: No/Unknown	Pistartdat:	14-SEP-06
Subname:	W2884		
Subprogid:	7735	Subaltidnu:	Not Reported
Wellname:	Not Reported		
Wellstatus:	Not Reported		
Totaldepth:	1145		
Drilldate:	30-DEC-99	Aquifertyp:	Jordan Aquifer
Aquiferran:	Secondary	Countyname:	Howard
Fo:	1	Accuracy:	20
Colmthtxt:	GPS CODE (PSEUDO RANGE) STANDARD POSITION (SA OFF)	Featuretxt:	WELL
Verifytxt:	Not Reported	Collectby:	WKTU
Coldate:	28-DEC-05		
Loccomment:	SDWISGPS, geosam, map, cir		
Congress:	4	Sthouse:	015
Stsenate:	08	Huc:	070600020303
Hyperlink:	http://programs.iowadnr.gov/wateruse/		
Lat:	43.38153		
Lon:	-92.11968		
Xcoord:	571308		
Ycoord:	4803561		
Site id:	IAUS20000002342		

D14
ENE
1/4 - 1/2 Mile
Higher

IA WELLS **IAPU30000183544**

Mapid:	183544	Wellid:	2408065
Id src fld:	tinwsf_is_number	Datasrc:	SDWI
Well type:	SDWIS well	Location:	T99N, R11W, Sec. 23, NW, SW, NW
County:	Howard	Est loc ac:	+/- 15 m.
Depth:	1145	C p date:	01/01/1965
Owner name:	Cresco Waterworks		
Other info:	Well # 3 (1965); PWSID: 4515087; Status: Active		
Xcoord:	571308		
Ycoord:	4803561		
Hlink:	https://facilityexplorer.iowadnr.gov/FacilityExplorer/SiteDetail.aspx?facID=310345203		
Site id:	IAPU30000183544		

D15
ENE
1/4 - 1/2 Mile
Higher

IA WELLS **IAPU30000183509**

Mapid:	183509	Wellid:	W2884
Id src fld:	subname	Datasrc:	WTRU
Well type:	Water Use Permit Wells	Location:	T99N, R11W, Sec. 23, NW, SW, NW
County:	Howard	Est loc ac:	+/-20
Depth:	1145	C p date:	Not Reported
Owner name:	Cresco Waterworks		
Other info:	Water Use Permit 1925; Primary use: Municipal		
Xcoord:	571308		
Ycoord:	4803561		
Hlink:	https://facilityexplorer.iowadnr.gov/FacilityExplorer/SiteDetail.aspx?facID=310345203		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Site id: IAPU30000183509

E16
SE
1/4 - 1/2 Mile
Higher

IA WELLS **IAPW30000030386**

Objectid:	30386	Iwellid:	2117569
Wellnmbr:	2105622	Pmtnmbr:	18432
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	22		
Qqqqq:	SW, SW, NE, NE, NW		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	125		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.3744		
Longitude:	-92.121		
Dte done:	15-NOV-04		
Cty num:	45		
County:	Howard		
Drlr name:	Enviro-Tec Inc.		
Owner name:	Dietzenbach, Jim		
Cnstr mthd:	Auger, Bored or Bucket		
Fm rmk:	Not Reported		
Well use:	Heat pump		
Status:	Active		
Ht pmp no:	6		
Permit:	X	Plugging:	Not Reported
Renovate:	Not Reported	Test:	Not Reported
Xcoord:	571209.460962		
Ycoord:	4802767.78888		
Horiz acc:	Not Reported	Has litho:	1
Has prod:	0	Has wq:	0
Has constr:	0		
Wnumber:	0		
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2105622&reportName=WellPrintout		
Site id:	IAPW30000030386		

E17
SE
1/4 - 1/2 Mile
Higher

IA WELLS **IAPU30000183495**

Mapid:	183495	Wellid:	2105622
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 22, SW, SW, NE, NE, NW
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	125	C p date:	11/15/2004
Owner name:	Dietzenbach, Jim		
Other info:	Status: Active; Well use: Heat pump		
Xcoord:	571209.460962		
Ycoord:	4802767.78888		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2105622&reportName=WellPrintout		

Site id: IAPU30000183495

E18
SE
1/4 - 1/2 Mile
Higher

IA WELLS **IAPU30000183473**

Mapid:	183473	Wellid:	2115877
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 22, SW, SW, NE, NE, NW
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	0	C p date:	Not Reported
Owner name:	Dietzenbach, Jim		
Other info:	Status: Retired; Well use: Heat pump		
Xcoord:	571209.577979		
Ycoord:	4802756.68324		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2115877&reportName=WellPrintout		
Site id:	IAPU30000183473		

E19
SE
1/4 - 1/2 Mile
Higher

IA WELLS **IAPW30000039640**

Objectid:	39640	Iwellid:	2132133
Wellnmbr:	2115877	Pmtnmbr:	21703
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	22		
Qqqqq:	SW, SW, NE, NE, NW		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	0		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.3743		
Longitude:	-92.121		
Dte done:	30-DEC-99		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	Dietzenbach, Jim		
Cnstr mthd:	Not Reported		
Fm rmk:	Not Reported		
Well use:	Heat pump		
Status:	Retired		
Ht pmp no:	5		
Permit:	X	Plugging:	Not Reported
Renovate:	Not Reported	Test:	Not Reported
Xcoord:	571209.577979		
Ycoord:	4802756.68324		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	0

Has constr:	0
Wnumber:	0
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2115877&reportName=WellPrintout
Site id:	IAPW30000039640

D20
ENE
1/4 - 1/2 Mile
Higher

FED USGS **USGS40000322631**

Org. Identifier:	USGS-IA		
Formal name:	USGS Iowa Water Science Center		
Monloc Identifier:	USGS-432257092065701		
Monloc name:	099N11W23BCBB 17075 1965Cresco 3		
Monloc type:	Well		
Monloc desc:	4515087-02		
Huc code:	07060002	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	43.3816345
Longitude:	-92.1193326	Sourcemap scale:	24000
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	1313
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Cambrian-Ordovician aquifer system		
Formation type:	Trempealeau Group		
Aquifer type:	Confined multiple aquifer		
Construction date:	19650621	Welldepth:	1145
Welldepth units:	ft	Wellholedepth:	1145
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1965-06-21	331.50	

F21
NE
1/4 - 1/2 Mile
Higher

IA WELLS **IAPW30000034183**

Objectid:	34183	Iwellid:	2122098
Wellnmbr:	2108768	Pmtnmbr:	Not Reported
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	23		
Qqqqq:	NW, NW, SE, SE, NE		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	45		

Br depth:	0		
Wtr depth:	0		
Latitude:	43.3828		
Longitude:	-92.1191		
Dte done:	01-JAN-01		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	Fenske, Don		
Cnstr mthd:	Unknown		
Fm rmk:	Not Reported		
Well use:	Household		
Status:	Plugged		
Ht pmp no:	0		
Permit:	Not Reported	Plugging:	X
Renovate:	Not Reported	Test:	Not Reported
Xcoord:	571353.532793		
Ycoord:	4803702.2866		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	0
Has constr:	0		
Wnumber:	0		
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2108768&reportName=WellPrintout		
Site id:	IAPW30000034183		

F22
NE
1/4 - 1/2 Mile
Higher

IA WELLS **IAPU30000183555**

Mapid:	183555	Wellid:	2108768
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 23, NW, NW, SE, SE, NE
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	45	C p date:	01/01/1901
Owner name:	Fenske, Don		
Other info:	Status: Plugged; Well use: Household		
Xcoord:	571353.532793		
Ycoord:	4803702.2866		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2108768&reportName=WellPrintout		
Site id:	IAPU30000183555		

23
SSW
1/4 - 1/2 Mile
Lower

IA WELLS **IAPU30000182901**

Mapid:	182901	Wellid:	12690
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 22, SE, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	57	C p date:	n.a.
Owner name:	Hormel, George		
Other info:	Well plugged: 11/8/1991; Well type: < 18" dia.		
Xcoord:	570563.69		
Ycoord:	4802486		
Hlink:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Site id: IAPU30000182901

G24
East
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183900**

Mapid:	183900	Wellid:	2113089
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 23, NW, SE, SW, NE, SW
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	62	C p date:	01/01/1901
Owner name:	Wilson, John		
Other info:	Status: Plugged; Well use: Household		
Xcoord:	571673.324604		
Ycoord:	4803339.14387		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2113089&reportName=WellPrintout		
Site id:	IAPU30000183900		

G25
East
1/2 - 1 Mile
Higher

IA WELLS **IAPW30000036982**

Objectid:	36982	Iwellid:	2127939
Wellnmbr:	2113089	Pmtnmbr:	Not Reported
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	23		
Qqqqq:	NW, SE, SW, NE, SW		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	62		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.3795		
Longitude:	-92.1152		
Dte done:	01-JAN-01		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	Wilson, John		
Cnstr mthd:	Unknown		
Fm rmk:	Not Reported		
Well use:	Household		
Status:	Plugged		
Ht pmp no:	0		
Permit:	Not Reported	Plugging:	X
Renovate:	Not Reported	Test:	Not Reported
Xcoord:	571673.324604		
Ycoord:	4803339.14387		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	0

Has constr:	0
Wnumber:	0
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2113089&reportName=WellPrintout
Site id:	IAPW30000036982

H26
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183746**

Mapid:	183746	Wellid:	2135024
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 23, SE, NW, SE, SW, SW
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	100	C p date:	01/01/1901
Owner name:	Not Reported		
Other info:	Status: Inactive; Well use: Household		
Xcoord:	571473.205645		
Ycoord:	4802650.95197		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2135024&reportName=WellPrintout		
Site id:	IAPU30000183746		

H27
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPW30000052866**

Objectid:	52866	Iwellid:	2161984
Wellnmbr:	2135024	Pmtnmbr:	Not Reported
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	23		
Qqqqq:	SE, NW, SE, SW, SW		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	100		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.373323		
Longitude:	-92.11776		
Dte done:	01-JAN-01		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	Not Reported		
Cnstr mthd:	Unknown		
Fm rmk:	Not Reported		
Well use:	Household		
Status:	Inactive		
Ht pmp no:	0		
Permit:	Not Reported	Plugging:	X
Renovate:	Not Reported	Test:	Not Reported
Xcoord:	571473.205645		
Ycoord:	4802650.95197		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	0

Has constr:	0
Wnumber:	0
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2135024&reportName=WellPrintout
Site id:	IAPW30000052866

28
ENE
1/2 - 1 Mile
Higher

IA WELLS **IAPW30000103563**

Objectid:	103563	Iwellid:	2255805
Wellnmbr:	2177039	Pmtnmbr:	42193
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	23		
Qqqqq:	NW, NW, NE, SE, NE		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	300		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.3826675415		
Longitude:	-92.1164245605		
Dte done:	24-AUG-14		
Cty num:	45		
County:	Howard		
Drlr name:	Geothermal Eco Options Inc.		
Owner name:	Wherry, Keith		
Cnstr mthd:	Not Reported		
Fm rmk:	Not Reported		
Well use:	Heat pump		
Status:	Active Log		
Ht pmp no:	4		
Permit:	X	Plugging:	Not Reported
Renovate:	Not Reported	Test:	Not Reported
Xcoord:	571570.402103		
Ycoord:	4803689.8685		
Horiz acc:	Not Reported	Has litho:	1
Has prod:	0	Has wq:	0
Has constr:	0		
Wnumber:	0		
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2177039&reportName=WellPrintout		
Site id:	IAPW30000103563		

I29
South
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000183037**

Mapid:	183037	Wellid:	2087540
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 27, NE, NW, NE, NW, NE
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	0	C p date:	Not Reported
Owner name:	Fisk, Kirk		
Other info:	Status: Retired; Well use: Heat pump		
Xcoord:	570744.006962		
Ycoord:	4802340.8403		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2087540&reportName=WellPrintout		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Site id: IAPU30000183037

I30
South
1/2 - 1 Mile
Lower

IA WELLS **IAPW30000015791**

Objectid:	15791	Iwellid:	2092448
Wellnmbr:	2087540	Pmtnmbr:	13081
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	27		
Qqqqq:	NE, NW, NE, NW, NE		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	0		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.3706		
Longitude:	-92.1268		
Dte done:	30-DEC-99		
Cty num:	45		
County:	Howard		
Drlr name:	Enviro-Tec Inc.		
Owner name:	Fisk, Kirk		
Cnstr mthd:	Not Reported		
Fm rmk:	Not Reported		
Well use:	Heat pump		
Status:	Retired		
Ht pmp no:	1		
Permit:	X	Plugging:	Not Reported
Renovate:	Not Reported	Test:	Not Reported
Xcoord:	570744.006962		
Ycoord:	4802340.8403		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	0
Has constr:	0		
Wnumber:	0		
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2087540&reportName=WellPrintout		
Site id:	IAPW30000015791		

J31
NNE
1/2 - 1 Mile
Lower

IA WELLS **IAPW30000000553**

Objectid:	553	Iwellid:	2076519
Wellnmbr:	2075975	Pmtnmbr:	Not Reported
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	15		
Qqqqq:	SW, SW, SW, SW, NE		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	382		

Br depth:	0		
Wtr depth:	0		
Latitude:	43.386		
Longitude:	-92.1209		
Dte done:	01-JAN-80		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	Alden, Viola		
Cnstr mthd:	Rotary Drill		
Fm rmk:	Not Reported		
Well use:	Household		
Status:	Active		
Ht pmp no:	0		
Permit:	Not Reported	Plugging:	Not Reported
Renovate:	Not Reported	Test:	X
Xcoord:	571203.98515		
Ycoord:	4804056.12929		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	1
Has constr:	0		
Wnumber:	0		
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2075975&reportName=WellPrintout		
Site id:	IAPW30000000553		

J32
NNE
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000183366**

Mapid:	183366	Wellid:	2075975
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 15, SW, SW, SW, SW, NE
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	382	C p date:	01/01/1980
Owner name:	Alden, Viola		
Other info:	Status: Active; Well use: Household		
Xcoord:	571203.98515		
Ycoord:	4804056.12929		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2075975&reportName=WellPrintout		
Site id:	IAPU30000183366		

33
ESE
1/2 - 1 Mile
Higher

IA WELLS **IAPW30000092406**

Objectid:	92406	Iwellid:	2206931
Wellnmbr:	2155253	Pmtnmbr:	Not Reported
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	23		
Qqqqq:	NW, SW, SE, SE, SE		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	25		

Br depth:	0		
Wtr depth:	21		
Latitude:	43.376813		
Longitude:	-92.11487		
Dte done:	01-JAN-01		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	Krueger, Mike		
Cnstr mthd:	Unknown		
Fm rmk:	Not Reported		
Well use:	Household		
Status:	Inactive		
Ht pmp no:	0		
Permit:	Not Reported	Plugging:	X
Renovate:	Not Reported	Test:	Not Reported
Xcoord:	571703.222828		
Ycoord:	4803041.01881		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	0
Has constr:	0		
Wnumber:	0		
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2155253&reportName=WellPrintout		
Site id:	IAPW30000092406		

H34
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183752**

Mapid:	183752	Wellid:	13383
Id src fld:	recordno	Datasrc:	PVTP
Well type:	Permitted private wells	Location:	T. 99 N., R. 11 W., Sec. 23, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	25	C p date:	6/07/1989
Owner name:	Unkn		
Other info:	Primary use: Monitoring/observation		
Xcoord:	571473.94		
Ycoord:	4802605		
Hlink:	Not Reported		
Site id:	IAPU30000183752		

K35
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183671**

Mapid:	183671	Wellid:	39704
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 23, SW, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	10	C p date:	n.a.
Owner name:	KeRR McGee Refining Corp		
Other info:	Well plugged: 12/16/1999; Well type: < 18" dia.		
Xcoord:	571374.25		
Ycoord:	4802512		
Hlink:	Not Reported		

Site id: IAPU30000183671

K36
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183652**

Mapid:	183652	Wellid:	1485
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 23, SW, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	19	C p date:	n.a.
Owner name:	Treloar, Lugean		
Other info:	Well plugged: 11/12/1989; Well type: < 18" dia.		
Xcoord:	571376.25		
Ycoord:	4802511		
Hlink:	Not Reported		
Site id:	IAPU30000183652		

K37
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183635**

Mapid:	183635	Wellid:	39695
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 23, SW, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	33	C p date:	n.a.
Owner name:	KeRR McGee Refining Corp		
Other info:	Well plugged: 12/16/1999; Well type: < 18" dia.		
Xcoord:	571379.25		
Ycoord:	4802513		
Hlink:	Not Reported		
Site id:	IAPU30000183635		

K38
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183634**

Mapid:	183634	Wellid:	39694
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 23, SW, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	13	C p date:	n.a.
Owner name:	KeRR McGee Refining Corp		
Other info:	Well plugged: 12/16/1999; Well type: < 18" dia.		
Xcoord:	571377.25		
Ycoord:	4802511		
Hlink:	Not Reported		

Site id: IAPU30000183634

K39
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183636**

Mapid:	183636	Wellid:	39696
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 23, SW, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	15	C p date:	n.a.
Owner name:	KeRR McGee Refining Corp		
Other info:	Well plugged: 12/16/1999; Well type: < 18" dia.		
Xcoord:	571378.25		
Ycoord:	4802511		
Hlink:	Not Reported		
Site id:	IAPU30000183636		

K40
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183658**

Mapid:	183658	Wellid:	39455
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 23, SW, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	10	C p date:	n.a.
Owner name:	KeRR McGee Refining Corp		
Other info:	Well plugged: 12/16/1999; Well type: < 18" dia.		
Xcoord:	571380.25		
Ycoord:	4802512		
Hlink:	Not Reported		
Site id:	IAPU30000183658		

K41
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183650**

Mapid:	183650	Wellid:	39700
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 23, SW, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	15	C p date:	n.a.
Owner name:	KeRR McGee Refining Corp		
Other info:	Well plugged: 12/16/1999; Well type: < 18" dia.		
Xcoord:	571381.25		
Ycoord:	4802512		
Hlink:	Not Reported		

Site id: IAPU30000183650

K42
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183666**

Mapid:	183666	Wellid:	39691
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 23, SW, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	12	C p date:	n.a.
Owner name:	KeRR McGee Refining Corp		
Other info:	Well plugged: 12/16/1999; Well type: < 18" dia.		
Xcoord:	571382.25		
Ycoord:	4802512		
Hlink:	Not Reported		
Site id:	IAPU30000183666		

K43
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183647**

Mapid:	183647	Wellid:	913
Id src fld:	recordno	Datasrc:	PVTP
Well type:	Permitted private wells	Location:	T. 99 N., R. 11 W., Sec. 23, SWSWS
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	25	C p date:	unkn
Owner name:	Reed, Thomas		
Other info:	Primary use: Monitoring/observation		
Xcoord:	571373.25		
Ycoord:	4802504		
Hlink:	Not Reported		
Site id:	IAPU30000183647		

H44
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183790**

Mapid:	183790	Wellid:	23500
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 23, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	670	C p date:	n.a.
Owner name:	Cresco, City Of		
Other info:	Well plugged: 6/20/1994; Well type: < 18" dia.		
Xcoord:	571487.94		
Ycoord:	4802608		
Hlink:	Not Reported		

Site id: IAPU30000183790

K45
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183694**

Mapid:	183694	Wellid:	39702
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 23, SW, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	19	C p date:	n.a.
Owner name:	KeRR McGee Refining Corp		
Other info:	Well plugged: 12/16/1999; Well type: < 18" dia.		
Xcoord:	571380.25		
Ycoord:	4802508		
Hlink:	Not Reported		
Site id:	IAPU30000183694		

K46
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183654**

Mapid:	183654	Wellid:	39690
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 23, SW, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	14	C p date:	n.a.
Owner name:	KeRR McGee Refining Corp		
Other info:	Well plugged: 12/16/1999; Well type: < 18" dia.		
Xcoord:	571372.25		
Ycoord:	4802501		
Hlink:	Not Reported		
Site id:	IAPU30000183654		

K47
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183648**

Mapid:	183648	Wellid:	39703
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 23, SW, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	22	C p date:	n.a.
Owner name:	KeRR McGee Refining Corp		
Other info:	Well plugged: 12/16/1999; Well type: < 18" dia.		
Xcoord:	571387.25		
Ycoord:	4802512		
Hlink:	Not Reported		

Site id: IAPU30000183648

H48
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183794**

Mapid:	183794	Wellid:	23501
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 23, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	667	C p date:	n.a.
Owner name:	Cresco, City Of		
Other info:	Well plugged: 6/20/1994; Well type: < 18" dia.		
Xcoord:	571488.94		
Ycoord:	4802607		
Hlink:	Not Reported		
Site id:	IAPU30000183794		

K49
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183668**

Mapid:	183668	Wellid:	39697
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 23, SW, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	14	C p date:	n.a.
Owner name:	KeRR McGee Refining Corp		
Other info:	Well plugged: 12/16/1999; Well type: < 18" dia.		
Xcoord:	571386.25		
Ycoord:	4802511		
Hlink:	Not Reported		
Site id:	IAPU30000183668		

K50
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183641**

Mapid:	183641	Wellid:	39693
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 23, SW, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	12	C p date:	n.a.
Owner name:	KeRR McGee Refining Corp		
Other info:	Well plugged: 12/16/1999; Well type: < 18" dia.		
Xcoord:	571380.25		
Ycoord:	4802506		
Hlink:	Not Reported		

Site id: IAPU30000183641

K51
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183653**

Mapid:	183653	Wellid:	39701
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 23, SW, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	13	C p date:	n.a.
Owner name:	KeRR McGee Refining Corp		
Other info:	Well plugged: 12/16/1999; Well type: < 18" dia.		
Xcoord:	571380.25		
Ycoord:	4802506		
Hlink:	Not Reported		
Site id:	IAPU30000183653		

K52
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183640**

Mapid:	183640	Wellid:	914
Id src fld:	recordno	Datasrc:	PVTP
Well type:	Permitted private wells	Location:	T. 99 N., R. 11 W., Sec. 23, SWSWS
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	10	C p date:	unkn
Owner name:	Reed, Thomas		
Other info:	Primary use: Monitoring/observation		
Xcoord:	571371.25		
Ycoord:	4802498		
Hlink:	Not Reported		
Site id:	IAPU30000183640		

K53
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183681**

Mapid:	183681	Wellid:	39576
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 23, SW, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	12	C p date:	n.a.
Owner name:	KeRR McGee Refining Corp		
Other info:	Well plugged: 12/16/1999; Well type: < 18" dia.		
Xcoord:	571388.25		
Ycoord:	4802510		
Hlink:	Not Reported		

Site id: IAPU30000183681

K54
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183676**

Mapid:	183676	Wellid:	39699
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 23, SW, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	14	C p date:	n.a.
Owner name:	KeRR McGee Refining Corp		
Other info:	Well plugged: 12/16/1999; Well type: < 18" dia.		
Xcoord:	571386.25		
Ycoord:	4802507		
Hlink:	Not Reported		
Site id:	IAPU30000183676		

K55
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183656**

Mapid:	183656	Wellid:	39692
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 23, SW, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	14	C p date:	n.a.
Owner name:	KeRR McGee Refining Corp		
Other info:	Well plugged: 12/16/1999; Well type: < 18" dia.		
Xcoord:	571377.25		
Ycoord:	4802497		
Hlink:	Not Reported		
Site id:	IAPU30000183656		

K56
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183686**

Mapid:	183686	Wellid:	39454
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 23, SW, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	21	C p date:	n.a.
Owner name:	KeRR McGee Refining Corp.		
Other info:	Well plugged: 12/16/1999; Well type: < 18" dia.		
Xcoord:	571387.25		
Ycoord:	4802498		
Hlink:	Not Reported		

Site id: IAPU30000183686

K57
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183672**

Mapid:	183672	Wellid:	39698
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 23, SW, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	13	C p date:	n.a.
Owner name:	KeRR McGee Refining Corp		
Other info:	Well plugged: 12/16/1999; Well type: < 18" dia.		
Xcoord:	571384.25		
Ycoord:	4802495		
Hlink:	Not Reported		
Site id:	IAPU30000183672		

K58
SSE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183575**

Mapid:	183575	Wellid:	4
Id src fld:	Wnumber	Datasrc:	PUB
Well type:	Public wells	Location:	T. 99N., R. 11W., Sec. 23
County:	Howard	Est loc ac:	Meas. +/- 115’
Depth:	670	C p date:	10/14/1924
Owner name:	Cresco, City Of		
Other info:	Local name: Cresco #1; Status: Plugged		
Xcoord:	571300.55		
Ycoord:	4802430.75		
Hlink:	http://www.igsb.uiowa.edu/webapps/geosam/Scripts/geocard.asp?wnumber=4		
Site id:	IAPU30000183575		

K59
SSE
1/2 - 1 Mile
Higher

IA WELLS **IAUS20000003515**

Maplabelna:	Cresco WS-W2883		
Legendtype:	39	Publicview:	0
Locid:	20000315345		
Stfacid:	310345203		
Progid:	1925		
Facname:	Cresco Waterworks		
Opstatus:	Drilled	Pistartdat:	14-SEP-06
Subname:	W2883		
Subprogid:	7733	Subaltidnu:	Not Reported
Wellname:	Not Reported		

Wellstatus:	Not Reported		
Totaldepth:	670		
Drilldate:	30-DEC-99	Aquifertyp:	Mid Ordovician
Aquiferran:	Primary	Countyname:	Howard
Fo:	1	Accuracy:	100
Colmthtxt:	INTERPOLATION-PHOTO	Refpnttxt:	WELL
Verifytxt:	Not Reported	Collectby:	WKTU
Coldate:	28-DEC-05		
Loccomment:	SDWISGPS, geosam, map, cir - is this used SDWIS says plugged?		
Congress:	4	Sthouse:	015
Stsenate:	08	Huc:	070600040203
Hyperlink:	http://programs.iowadnr.gov/wateruse/		
Lat:	43.37136		
Lon:	-92.11991		
Xcoord:	571301		
Ycoord:	4802431		
Site id:	IAUS20000003515		

K60
SSE
1/2 - 1 Mile
Higher

IA WELLS **IAUS20000000480**

Maplabelna:	Cresco WS-W332		
Legendtype:	39	Publicview:	0
Locid:	20000315344		
Stfacid:	310345203		
Progid:	1925		
Facname:	Cresco Waterworks		
Opstatus:	Drilled	Pistartdat:	14-SEP-06
Subname:	W332		
Subprogid:	7734	Subaltidnu:	Not Reported
Wellname:	Not Reported		
Wellstatus:	Not Reported		
Totaldepth:	670		
Drilldate:	30-DEC-99	Aquifertyp:	Mid Ordovician
Aquiferran:	Primary	Countyname:	Howard
Fo:	1	Accuracy:	100
Colmthtxt:	INTERPOLATION-PHOTO	Refpnttxt:	WELL
Verifytxt:	Not Reported	Collectby:	WKTU
Coldate:	28-DEC-05		
Loccomment:	SDWISGPS, geosam, map, cir - is this used SDWIS says plugged?		
Congress:	4	Sthouse:	015
Stsenate:	08	Huc:	070600040203
Hyperlink:	http://programs.iowadnr.gov/wateruse/		
Lat:	43.37136		
Lon:	-92.11991		
Xcoord:	571301		
Ycoord:	4802431		
Site id:	IAUS20000000480		

K61
SSE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183579**

Mapid:	183579	Wellid:	W332
Id src fld:	subname	Datasrc:	WTRU
Well type:	Water Use Permit Wells	Location:	T99N, R11W, Sec. 23, SW, SW, SW
County:	Howard	Est loc ac:	+/-100
Depth:	670	C p date:	Not Reported
Owner name:	Cresco Waterworks		
Other info:	Water Use Permit 1925; Primary use: Municipal		
Xcoord:	571301		
Ycoord:	4802431		
Hlink:	https://facilityexplorer.iowadnr.gov/FacilityExplorer/SiteDetail.aspx?facID=310345203		
Site id:	IAPU30000183579		

K62
SSE **IA WELLS** **IAPU30000183611**
1/2 - 1 Mile
Higher

Mapid:	183611	Wellid:	W2883
Id src fld:	subname	Datasrc:	WTRU
Well type:	Water Use Permit Wells	Location:	T99N, R11W, Sec. 23, SW, SW, SW
County:	Howard	Est loc ac:	+/-100
Depth:	670	C p date:	Not Reported
Owner name:	Cresco Waterworks		
Other info:	Water Use Permit 1925; Primary use: Municipal		
Xcoord:	571301		
Ycoord:	4802431		
Hlink:	https://facilityexplorer.iowadnr.gov/FacilityExplorer/SiteDetail.aspx?facID=310345203		
Site id:	IAPU30000183611		

K63
SSE **IA WELLS** **IAPU30000183590**
1/2 - 1 Mile
Higher

Mapid:	183590	Wellid:	2412180
Id src fld:	tinwsf_is_number	Datasrc:	SDWI
Well type:	SDWIS well	Location:	T99N, R11W, Sec. 23, SW, SW, SW
County:	Howard	Est loc ac:	+/- 35 m.
Depth:	670	C p date:	01/01/1924
Owner name:	Cresco Waterworks		
Other info:	Plug # 1 (1924); PWSID: 4515087; Status: Active		
Xcoord:	571301		
Ycoord:	4802431		
Hlink:	https://facilityexplorer.iowadnr.gov/FacilityExplorer/SiteDetail.aspx?facID=310345203		
Site id:	IAPU30000183590		

K64
SSE **IA WELLS** **IAPU30000183591**
1/2 - 1 Mile
Higher

Mapid:	183591	Wellid:	38603
Id src fld:	Wnumber	Datasrc:	PUB
Well type:	Public wells	Location:	T. 99N., R. 11W., Sec. 23
County:	Howard	Est loc ac:	Meas. +/- 115'
Depth:	666	C p date:	01/01/1932
Owner name:	Cresco, City Of		
Other info:	Local name: Cresco #2; Status: Plugged		
Xcoord:	571300.55		
Ycoord:	4802430.25		
Hlink:	http://www.igsb.uiowa.edu/webapps/geosam/Scripts/geocard.asp?wnumber=38603		
Site id:	IAPU30000183591		

K65
SSE **IA WELLS** **IAPU30000183605**
1/2 - 1 Mile
Higher

Mapid:	183605	Wellid:	38604
Id src fld:	Wnumber	Datasrc:	PUB
Well type:	Public wells	Location:	T. 99N., R. 11W., Sec. 23
County:	Howard	Est loc ac:	Meas. +/- 230'
Depth:	0	C p date:	Not Reported
Owner name:	Cresco, City Of		
Other info:	Local name: Cresco #old West; Status: Not Used		
Xcoord:	571299.99		
Ycoord:	4802429.75		
Hlink:	http://www.igsb.uiowa.edu/webapps/geosam/Scripts/geocard.asp?wnumber=38604		
Site id:	IAPU30000183605		

K66
SSE **IA WELLS** **IAPU30000183601**
1/2 - 1 Mile
Higher

Mapid:	183601	Wellid:	2408984
Id src fld:	tinwsf_is_number	Datasrc:	SDWI
Well type:	SDWIS well	Location:	T99N, R11W, Sec. 23, SW, SW, SW
County:	Howard	Est loc ac:	+/- 35 m.
Depth:	666	C p date:	01/01/1932
Owner name:	Cresco Waterworks		
Other info:	Plug # 2 (1932); PWSID: 4515087; Status: Active		
Xcoord:	571301		
Ycoord:	4802430		
Hlink:	https://facilityexplorer.iowadnr.gov/FacilityExplorer/SiteDetail.aspx?facID=310345203		
Site id:	IAPU30000183601		

J67
NNE **IA WELLS** **IAPU30000183319**
1/2 - 1 Mile
Lower

Mapid:	183319	Wellid:	84472
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 15, SE, SE, SE
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	382	C p date:	1980
Owner name:	Alden, Viola		
Other info:	Drilling method: Drilled; Known well depth		
Xcoord:	571154.38		
Ycoord:	4804110.5		
Hlink:	Not Reported		
Site id:	IAPU30000183319		

K68
SSE
1/2 - 1 Mile
Higher

FED USGS **USGS40000322609**

Org. Identifier:	USGS-IA		
Formal name:	USGS Iowa Water Science Center		
Monloc Identifier:	USGS-432225092065701		
Monloc name:	099N11W23CCCC 00004 1924Cresco 1		
Monloc type:	Well		
Monloc desc:	4515087-01		
Huc code:	07060002	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	43.3713569
Longitude:	-92.1198883	Sourcemap scale:	24000
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	1299
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	St Peter Sandstone		
Aquifer type:	Not Reported		
Construction date:	19241014	Welldepth:	670
Welldepth units:	ft	Wellholedepth:	670
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1924-10-14	151.00	

J69
NNE
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000084472**

Recordno:	84472	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	15
Qqqqq:	SE SE SE	Q abc:	DDD
Checked:	mwillia 08/22/01 11:32:04	Ownerfirst:	VIOLA
Ownerlast:	ALDEN	Owneraddr:	8979 WILLOW AVE
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	Not Reported
County:	45	Legal:	SESESE15 9911W
Depth:	382	Dpth rel:	K

Permit:	Not Reported	Sampldte:	25-JUN-01
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	Not Reported		
Anal dte:	30-DEC-99	Smplsrce:	KITCHEN FAUCET
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	0
Bctcolml:	0	Bact s u:	U
No3r:	Not Reported	No3:	1
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	Not Reported
Case mat:	STEEL	Cs mt rel:	Not Reported
Case diam:	5	Csdia rel:	K
Year cons:	1980	Yr rel:	K
Agentfirst:	Not Reported	Agentlast:	Not Reported
Created:	jswan 08/09/01 15:13:09	Updated:	mwillia 08/22/01 11:32:04
Flag:	YYNNYYNNNNNNNNNNNNN		
Utm x:	571167.75		
Utm y:	4803902		
Site id:	IAPR30000084472		

K70
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183698**

Mapid:	183698	Wellid:	2116640
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 23, SE, SE, SE, SW, SE
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	0	C p date:	Not Reported
Owner name:	McGuire, Mike		
Other info:	Status: Retired; Well use: Heat pump		
Xcoord:	571382.87097		
Ycoord:	4802458.62585		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2116640&reportName=WellPrintout		
Site id:	IAPU30000183698		

K71
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPW30000045125**

Objectid:	45125	Iwellid:	2133331
Wellnmbr:	2116640	Pmtnmbr:	22013
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	23		
Qqqqq:	SE, SE, SE, SW, SE		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	0		

Br depth:	0		
Wtr depth:	0		
Latitude:	43.3716		
Longitude:	-92.1189		
Dte done:	30-DEC-99		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	McGuire, Mike		
Cnstr mthd:	Not Reported		
Fm rmk:	Not Reported		
Well use:	Heat pump		
Status:	Retired		
Ht pmp no:	5		
Permit:	X	Plugging:	Not Reported
Renovate:	Not Reported	Test:	Not Reported
Xcoord:	571382.87097		
Ycoord:	4802458.62585		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	0
Has constr:	0		
Wnumber:	0		
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2116640&reportName=WellPrintout		
Site id:	IAPW30000045125		

L72
ENE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183907**

Mapid:	183907	Wellid:	2094046
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 23, NW, SW, NW, NW, SW
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	0	C p date:	Not Reported
Owner name:	Froelke, Tom		
Other info:	Status: Retired; Well use: Heat pump		
Xcoord:	571728.024215		
Ycoord:	4803528.5416		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2094046&reportName=WellPrintout		
Site id:	IAPU30000183907		

L73
ENE
1/2 - 1 Mile
Higher

IA WELLS **IAPW30000022729**

Objectid:	22729	Iwellid:	2101152
Wellnmbr:	2094046	Pmtnmbr:	14717
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	23		
Qqqqq:	NW, SW, NW, NW, SW		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	0		

Br depth:	0		
Wtr depth:	0		
Latitude:	43.3812		
Longitude:	-92.1145		
Dte done:	30-DEC-99		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	Froelke, Tom		
Cnstr mthd:	Not Reported		
Fm rmk:	Not Reported		
Well use:	Heat pump		
Status:	Retired		
Ht pmp no:	1		
Permit:	X	Plugging:	Not Reported
Renovate:	Not Reported	Test:	Not Reported
Xcoord:	571728.024215		
Ycoord:	4803528.5416		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	0
Has constr:	0		
Wnumber:	0		
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2094046&reportName=WellPrintout		
Site id:	IAPW30000022729		

M74
SSE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183437**

Mapid:	183437	Wellid:	2147699
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 22, SW, SW, SW, NW, SE
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	0	C p date:	Not Reported
Owner name:	Not Reported		
Other info:	Status: Permitted; Well use: Heat pump		
Xcoord:	571105.273851		
Ycoord:	4802313.0379		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2147699&reportName=WellPrintout		
Site id:	IAPU30000183437		

M75
SSE
1/2 - 1 Mile
Higher

IA WELLS **IAPW30000062260**

Objectid:	62260	Iwellid:	2190069
Wellnmbr:	2147699	Pmtnmbr:	32384
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	22		
Qqqqq:	SW, SW, SW, NW, SE		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	0		

Br depth:	0		
Wtr depth:	0		
Latitude:	43.3703155518		
Longitude:	-92.1223449707		
Dte done:	30-DEC-99		
Cty num:	45		
County:	Howard		
Drlr name:	Enviro-Tec Inc.		
Owner name:	,		
Cnstr mthd:	Not Reported		
Fm rmk:	Not Reported		
Well use:	Heat pump		
Status:	Permitted		
Ht pmp no:	5		
Permit:	X	Plugging:	Not Reported
Renovate:	Not Reported	Test:	Not Reported
Xcoord:	571105.273827		
Ycoord:	4802313.03792		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	0
Has constr:	0		
Wnumber:	0		
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2147699&reportName=WellPrintout		
Site id:	IAPW30000062260		

N76
SSE
1/2 - 1 Mile
Higher

FED USGS **USGS40000322593**

Org. Identifier:	USGS-IA		
Formal name:	USGS Iowa Water Science Center		
Monloc Identifier:	USGS-432216092071102		
Monloc name:	099N11W23CCCC 1932Cresco 2		
Monloc type:	Well		
Monloc desc:	4515087-03		
Huc code:	07060002	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	43.3710792
Longitude:	-92.1198883	Sourcemap scale:	24000
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	1299
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	St Peter Sandstone		
Aquifer type:	Not Reported		
Construction date:	1932	Welldepth:	666
Welldepth units:	ft	Wellholedepth:	666
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database | EDR ID Number

77
ESE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183928**

Mapid:	183928	Wellid:	3146
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 23, SW
County:	Howard	Est loc ac:	Calc. +/- 570m.
Depth:	19	C p date:	n.a.
Owner name:	Howard County Comm. Actio, Howard Count		
Other info:	Well plugged: 8/22/1990; Well type: < 18" dia.		
Xcoord:	571687.38		
Ycoord:	4802808.5		
Hlink:	Not Reported		
Site id:	IAPU30000183928		

N78
SSE
1/2 - 1 Mile
Higher

IA WELLS **IAPW30000086367**

Objectid:	86367	Iwellid:	2257248
Wellnmbr:	2178287	Pmtnmbr:	Not Reported
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	22		
Qqqqq:	SW, SW, SW, NE, NE		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	76		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.370573		
Longitude:	-92.120675		
Dte done:	01-JAN-01		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	Not Reported		
Cnstr mthd:	Unknown		
Fm rmk:	Not Reported		
Well use:	Household		
Status:	Inactive		
Ht pmp no:	0		
Permit:	Not Reported	Plugging:	X
Renovate:	Not Reported	Test:	Not Reported
Xcoord:	571240.269705		
Ycoord:	4802343.0538		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	0

Has constr:	0
Wnumber:	0
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2178287&reportName=WellPrintout
Site id:	IAPW30000086367

L79
ENE
1/2 - 1 Mile
Higher

FRDS PWS **IA4515783**

Epa region:	07	State:	IA
Pwsid:	IA4515783		
Pwsname:	VALLEY INN (KENDALLVILLE)		
City served:	Not Reported	State served:	IA
Zip served:	Not Reported	Fips county:	19191
Status:	Active	Pop srvd:	25
Pwssvcconn:	1	Source:	Groundwater
Pws type:	TNCWS	Owner:	Private
Contact:	VALLEY INN (KENDALLVILLE)		
Contactor gname:	VALLEY INN (KENDALLVILLE)		
Contact phone:	563-547-3256	Contact address1:	ATTN JANET MENSINK OWNER
Contact address2:	3230 347TH ST	Contact city:	CRESCO
Contact state:	IA	Contact zip:	52136
Activity code:	A		

Location Information:

Name:	K-TOWN TAP		
Pwstypcd:	TNCWS	Primsrccd:	GW
Popserved:	25		
Add1:	ATTN AL OR DEBORAH REICKS OWNER		
Add2:	3230 347TH ST		
City:	CRESCO	State:	IA
Zip:	52136	Phone:	563-547-3256
Cityserv:	KENDALLVILLE	Cntyserv:	Winneshiek
Stateserv:	IA	Zipserv:	Not Reported

PWS ID: IA4515783
Date Initiated: Not Reported Date Deactivated: Not Reported
PWS Name: VALLEY INN (KENDALLVILLE)
ATTN: JANET NAGEL, OWNER
3230 347TH STREET
CRESCO, IA 52136

Addressee / Facility: Not Reported

Facility Latitude:	43 22 53	Facility Longitude:	092 06 50
City Served:	Not Reported		
Treatment Class:	Treated	Population:	00000032

Violations information not reported.

O80
NNE
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000183235**

Mapid:	183235	Wellid:	46341
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 15, SE, SE
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	382	C p date:	1980
Owner name:	Alden, Willard		
Other info:	Drilling method: Drilled; Known well depth		
Xcoord:	571053.06		
Ycoord:	4804209.5		
Hlink:	Not Reported		
Site id:	IAPU30000183235		

O81
NNE
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000183234**

Mapid:	183234	Wellid:	6849
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 15, SE, SE
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	382	C p date:	1980
Owner name:	Alden, Willard		
Other info:	Drilling method: Drilled;		
Xcoord:	571054.06		
Ycoord:	4804212.5		
Hlink:	Not Reported		
Site id:	IAPU30000183234		

O82
NNE
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000183264**

Mapid:	183264	Wellid:	53652
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 15, SE, SE
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	382	C p date:	1980
Owner name:	Alden, Willard		
Other info:	Drilling method: Drilled; Known well depth		
Xcoord:	571054.06		
Ycoord:	4804212.5		
Hlink:	Not Reported		
Site id:	IAPU30000183264		

O83
NNE
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000014496**

Recordno:	14496	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	15
Qqqqq:	SE SE	Q abc:	DD
Checked:	Y	Ownerfirst:	WILLARD
Ownerlast:	ALDEN	Owneraddr:	RR 1, BOX 80
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	Not Reported
County:	45	Legal:	SESE15 9911W
Depth:	382	Dpth rel:	K
Permit:	Not Reported	Sampldte:	30-OCT-95
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	G025930		
Anal dte:	06-NOV-95	Smplsrce:	Kitchen Faucet
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	0
Bctcolml:	0	Bact s u:	S
No3r:	Not Reported	No3:	0
No3 s u:	Not Reported	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	Not Reported
Case mat:	STEEL	Cs mt rel:	Not Reported
Case diam:	5	Csdia rel:	K
Year cons:	1980	Yr rel:	K
Agentfirst:	ANN	Agentlast:	NOVAK
Created:	rlaferr 07/17/96 14:13:43	Updated:	lmcmull 07/18/96 09:12:20
Flag:	Not Reported		
Utm x:	571068.5		
Utm y:	4804002		
Site id:	IAPR30000014496		

O84
NNE
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000006849**

Recordno:	6849	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	15
Qqqqq:	SE SE	Q abc:	DD
Checked:	Not Reported	Ownerfirst:	WILLARD
Ownerlast:	ALDEN	Owneraddr:	RR 1 BOX 80
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	Not Reported
County:	45	Legal:	SESE15 9911W
Depth:	382	Dpth rel:	Not Reported
Permit:	Not Reported	Sampldte:	16-AUG-94
Lab:	Not Reported		
Lab no:	Not Reported		
Anal dte:	22-AUG-94	Smplsrce:	KITCHEN SINK
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	<	Bact:	2.20000004768372
Bctcolml:	0	Bact s u:	S
No3r:	<	No3:	1
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	Not Reported
Case mat:	STEEL	Cs mt rel:	Not Reported

Case diam:	5	Csdia rel:	Not Reported
Year cons:	1980	Yr rel:	Not Reported
Agentfirst:	ANN	Agentlast:	NOVAK
Created:	Not Reported	Updated:	esmith 07/13/98 17:49:58
Flag:	YNNNNNNNNNNNNNNNNNNN		
Utm x:	571068.5		
Utm y:	4804002		
Site id:	IAPR30000006849		

O85
NNE
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000053652**

Recordno:	53652	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	15
Qqqqq:	SE SE	Q abc:	DD
Checked:	cpartai 04/13/99 14:26:17	Ownerfirst:	WILLARD
Ownerlast:	ALDEN	Owneraddr:	RR 1, BOX 80
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	Not Reported
County:	45	Legal:	SESE15 9911W
Depth:	382	Dpth rel:	K
Permit:	Not Reported	Sampldte:	19-SEP-95
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	G022701		
Anal dte:	25-SEP-95	Smplsrce:	Kitchen Faucet
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	0
Bctcolml:	0	Bact s u:	U
No3r:	<	No3:	1
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	Not Reported
Case mat:	STEEL	Cs mt rel:	Not Reported
Case diam:	5	Csdia rel:	K
Year cons:	1980	Yr rel:	K
Agentfirst:	ANN	Agentlast:	NOVAK
Created:	lweyns 03/04/99 15:53:15	Updated:	cpartai 04/13/99 14:26:17
Flag:	YNNNNNNNNNNNNNNNNNNN		
Utm x:	571068.5		
Utm y:	4804002		
Site id:	IAPR30000053652		

O86
NNE
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000046341**

Recordno:	46341	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	15
Qqqqq:	SE SE	Q abc:	DD
Checked:	esmith 07/23/98 18:55:01	Ownerfirst:	WILLARD
Ownerlast:	ALDEN	Owneraddr:	8979 WILLOW AVE.
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	Not Reported
County:	45	Legal:	SESE15 9911W
Depth:	382	Dpth rel:	K

Permit:	Not Reported	Sampldte:	13-APR-98
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	G6734		
Anal dte:	16-APR-98	Smplsrce:	KITCHEN SINK
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	0
Bctcolml:	0	Bact s u:	S
No3r:	<	No3:	1
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	Not Reported
Case mat:	STEEL	Cs mt rel:	Not Reported
Case diam:	5	Csdia rel:	K
Year cons:	1980	Yr rel:	K
Agentfirst:	LACINDA	Agentlast:	ALTMAN
Created:	esmith 07/13/98 17:48:06	Updated:	esmith 07/23/98 18:55:01
Flag:	YNNNNNNNNNNNNNNNNNN		
Utm x:	571068.5		
Utm y:	4804002		
Site id:	IAPR30000046341		

P87
NE
1/2 - 1 Mile
Higher

IA WELLS **IAPW30000026872**

Objectid:	26872	Iwellid:	2110834
Wellnmbr:	2100759	Pmtnmbr:	16969
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	23		
Qqqqq:	NW, NW, NE, SW, SE		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	0		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.384		
Longitude:	-92.1158		
Dte done:	30-DEC-99		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	Iverson, Loren		
Cnstr mthd:	Not Reported		
Fm rmk:	Not Reported		
Well use:	Heat pump		
Status:	Retired		
Ht pmp no:	4		
Permit:	X	Plugging:	Not Reported
Renovate:	Not Reported	Test:	Not Reported
Xcoord:	571619.423642		
Ycoord:	4803838.38278		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	0

Has constr:	0
Wnumber:	0
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2100759&reportName=WellPrintout
Site id:	IAPW30000026872

P88
NE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183806**

Mapid:	183806	Wellid:	2100759
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 23, NW, NW, NE, SW, SE
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	0	C p date:	Not Reported
Owner name:	Iverson, Loren		
Other info:	Status: Retired; Well use: Heat pump		
Xcoord:	571619.423642		
Ycoord:	4803838.38278		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2100759&reportName=WellPrintout		
Site id:	IAPU30000183806		

O89
NNE
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000183227**

Mapid:	183227	Wellid:	14496
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 15, SE, SE
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	382	C p date:	1980
Owner name:	Alden, Willard		
Other info:	Drilling method: Drilled; Known well depth		
Xcoord:	571049.06		
Ycoord:	4804219.5		
Hlink:	Not Reported		
Site id:	IAPU30000183227		

90
ESE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000184007**

Mapid:	184007	Wellid:	18146
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 23, SW, NE, SW
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	unkn	C p date:	n.a.
Owner name:	Martinek, Joan		
Other info:	Well plugged: 5/1/1995; Well type: > 18" dia.		
Xcoord:	571776.25		
Ycoord:	4802918.5		
Hlink:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Site id: IAPU30000184007

Q91
WNW
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000006855**

Recordno:	6855	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	22
Qqqqq:	NW NW	Q abc:	BB
Checked:	Not Reported	Ownerfirst:	KENNY & PAM
Ownerlast:	KALEVAGE	Owneraddr:	RR 3 BOX 23
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	3195474734
County:	45	Legal:	NWNW22 9911W
Depth:	0	Dpth rel:	U
Permit:	Not Reported	Sampldte:	08-AUG-94
Lab:	Not Reported		
Lab no:	Not Reported		
Anal dte:	12-AUG-94	Smplsrce:	KITCHEN FAUCET
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	>	Bact:	16
Bctcolml:	0	Bact s u:	U
No3r:	Not Reported	No3:	100
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	U
Case mat:	Not Reported	Cs mt rel:	U
Case diam:	6	Csdia rel:	Not Reported
Year cons:	0	Yr rel:	U
Agentfirst:	ANN	Agentlast:	NOVAK
Created:	Not Reported	Updated:	TALT 05/24/95 15:06:09
Flag:	Not Reported		
Utm x:	569880		
Utm y:	4803584.75		
Site id:	IAPR30000006855		

Q92
WNW
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000053553**

Recordno:	53553	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	22
Qqqqq:	NW NW	Q abc:	BB
Checked:	Not Reported	Ownerfirst:	RICK
Ownerlast:	SMITH	Owneraddr:	9316 WILLOW AVE
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	3195474734
County:	45	Legal:	NWNW22 9911W
Depth:	0	Dpth rel:	U

Permit:	Not Reported	Sampldte:	08-AUG-94
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	G004381		
Anal dte:	12-AUG-94	Smplsrce:	KITCHEN FAUCET
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	0
Bctcolml:	0	Bact s u:	U
No3r:	Not Reported	No3:	100
No3 s u:	U	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	Not Reported
Case mat:	UNKNOWN	Cs mt rel:	Not Reported
Case diam:	7	Csdia rel:	E
Year cons:	0	Yr rel:	U
Agentfirst:	ANN	Agentlast:	NOVAK
Created:	cpartai 03/04/99 10:41:32	Updated:	cpartai 03/04/99 10:46:03
Flag:	YNNNNNNNNNNNNNNNNNN		
Utm x:	569880		
Utm y:	4803584.75		
Site id:	IAPR30000053553		

Q93
WNW
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000053555**

Recordno:	53555	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	22
Qqqqq:	NW NW	Q abc:	BB
Checked:	Not Reported	Ownerfirst:	RICK
Ownerlast:	SMITH	Owneraddr:	9316 WILLOW AVE
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	3195474734
County:	45	Legal:	NWNW22 9911W
Depth:	0	Dpth rel:	U
Permit:	Not Reported	Sampldte:	17-JUN-97
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	11654		
Anal dte:	20-JUN-97	Smplsrce:	KITCHEN FAUCET
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	0
Bctcolml:	0	Bact s u:	S
No3r:	Not Reported	No3:	87
No3 s u:	U	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	Not Reported
Case mat:	UNKNOWN	Cs mt rel:	Not Reported
Case diam:	7	Csdia rel:	E
Year cons:	0	Yr rel:	U
Agentfirst:	LACINDA	Agentlast:	ALTMAN
Created:	cpartai 03/04/99 10:46:34	Updated:	cpartai 03/04/99 10:48:20
Flag:	YNNNNNNNNNNNYNNNNNNN		
Utm x:	569880		
Utm y:	4803584.75		
Site id:	IAPR30000053555		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
Q94 **WNW** **1/2 - 1 Mile** **Lower**	**IA WELLS**	**IAPU30000181992**

Mapid:	181992	Wellid:	53553
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 22, NW, NW
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	unkn	C p date:	unkn
Owner name:	Smith, Rick		
Other info:	Drilling method: Drilled; Well depth is uncertain		
Xcoord:	569857.56		
Ycoord:	4803788.5		
Hlink:	Not Reported		
Site id:	IAPU30000181992		

	Database	EDR ID Number
Q95 **WNW** **1/2 - 1 Mile** **Lower**	**IA WELLS**	**IAPU30000182000**

Mapid:	182000	Wellid:	6855
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 22, NW, NW
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	unkn	C p date:	unkn
Owner name:	Kalevage, Kenny & Pam		
Other info:	Drilling method: Drilled; Well depth is uncertain		
Xcoord:	569864.56		
Ycoord:	4803800.5		
Hlink:	Not Reported		
Site id:	IAPU30000182000		

	Database	EDR ID Number
Q96 **WNW** **1/2 - 1 Mile** **Lower**	**IA WELLS**	**IAPU30000182020**

Mapid:	182020	Wellid:	53555
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 22, NW, NW
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	unkn	C p date:	unkn
Owner name:	Smith, Rick		
Other info:	Drilling method: Drilled; Well depth is uncertain		
Xcoord:	569863.56		
Ycoord:	4803801.5		
Hlink:	Not Reported		
Site id:	IAPU30000182020		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

R97
NE
1/2 - 1 Mile
Lower

IA WELLS **IAPW30000028894**

Objectid:	28894	Iwellid:	2114483
Wellnmbr:	2103436	Pmtnmbr:	Not Reported
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	23		
Qqqqq:	NW, NW, NE, NE, NE		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	110		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.3854		
Longitude:	-92.1156		
Dte done:	01-JAN-62		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	Seebach, Lyle		
Cnstr mthd:	Unknown		
Fm rmk:	Not Reported		
Well use:	Household		
Status:	Active		
Ht pmp no:	0		
Permit:	Not Reported	Plugging:	Not Reported
Renovate:	Not Reported	Test:	X
Xcoord:	571633.974914		
Ycoord:	4803994.03372		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	1
Has constr:	0		
Wnumber:	0		
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2103436&reportName=WellPrintout		
Site id:	IAPW30000028894		

R98
NE
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000183800**

Mapid:	183800	Wellid:	2103436
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 23, NW, NW, NE, NE, NE
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	110	C p date:	01/01/1962
Owner name:	Seebach, Lyle		
Other info:	Status: Active; Well use: Household		
Xcoord:	571633.974914		
Ycoord:	4803994.03372		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2103436&reportName=WellPrintout		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Site id: IAPU30000183800

S99
South
1/2 - 1 Mile
Lower

IA WELLS **IAPW30000060019**

Objectid:	60019	Iwellid:	2182247
Wellnmbr:	2144302	Pmtnmbr:	Not Reported
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	27		
Qqqqq:	NE, NE, NW, NE, NW		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	80		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.368685		
Longitude:	-92.123418		
Dte done:	01-JAN-01		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	Smith, Doug		
Cnstr mthd:	Unknown		
Fm rmk:	Not Reported		
Well use:	Household		
Status:	Inactive		
Ht pmp no:	0		
Permit:	Not Reported	Plugging:	X
Renovate:	Not Reported	Test:	Not Reported
Xcoord:	571020.242083		
Ycoord:	4802131.04094		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	0
Has constr:	0		
Wnumber:	0		
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2144302&reportName=WellPrintout		
Site id:	IAPW30000060019		

S100
South
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000183360**

Mapid:	183360	Wellid:	2144302
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 27, NE, NE, NW, NE, NW
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	80	C p date:	01/01/1901
Owner name:	Smith, Doug		
Other info:	Status: Inactive; Well use: Household		
Xcoord:	571020.242083		
Ycoord:	4802131.04094		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2144302&reportName=WellPrintout		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Site id: IAPU30000183360

T101
WNW
1/2 - 1 Mile
Lower

IA WELLS **IAPW30000000787**

Objectid:	787	Iwellid:	2077094
Wellnmbr:	2076340	Pmtnmbr:	Not Reported
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	22		
Qqqqq:	NW, SE, NW, NW, SW		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	1		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.3815		
Longitude:	-92.1393		
Dte done:	01-JAN-01		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	Smith, Rick		
Cnstr mthd:	Unknown		
Fm rmk:	Not Reported		
Well use:	Household		
Status:	Active		
Ht pmp no:	0		
Permit:	Not Reported	Plugging:	Not Reported
Renovate:	Not Reported	Test:	X
Xcoord:	569718.800798		
Ycoord:	4803540.83091		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	1
Has constr:	0		
Wnumber:	0		
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2076340&reportName=WellPrintout		
Site id:	IAPW30000000787		

T102
WNW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000181858**

Mapid:	181858	Wellid:	2076340
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 22, NW, SE, NW, NW, SW
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	1	C p date:	01/01/1901
Owner name:	Smith, Rick		
Other info:	Status: Active; Well use: Household		
Xcoord:	569718.800798		
Ycoord:	4803540.83091		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2076340&reportName=WellPrintout		

Site id: IAPU30000181858

U103
SW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000182140**

Mapid:	182140	Wellid:	32867
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 22, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	80	C p date:	1909
Owner name:	Ahern, Pat		
Other info:	Drilling method: Drilled;		
Xcoord:	569875.69		
Ycoord:	4802586		
Hlink:	Not Reported		
Site id:	IAPU30000182140		

V104
SSE
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000183534**

Mapid:	183534	Wellid:	2140635
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 22, SW, SW, SW, SE, SW
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	0	C p date:	Not Reported
Owner name:	Ishman, Bryon		
Other info:	Status: Permitted; Well use: Heat pump		
Xcoord:	571177.976575		
Ycoord:	4802160.00254		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2140635&reportName=WellPrintout		
Site id:	IAPU30000183534		

V105
SSE
1/2 - 1 Mile
Lower

IA WELLS **IAPW30000057479**

Objectid:	57479	Iwellid:	2174060
Wellnmbr:	2140635	Pmtnmbr:	29933
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	22		
Qqqqq:	SW, SW, SW, SE, SW		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	0		

Br depth:	0		
Wtr depth:	0		
Latitude:	43.3689308167		
Longitude:	-92.1214675903		
Dte done:	30-DEC-99		
Cty num:	45		
County:	Howard		
Drlr name:	Enviro-Tec Inc.		
Owner name:	Ishman, Bryon		
Cnstr mthd:	Not Reported		
Fm rmk:	Not Reported		
Well use:	Heat pump		
Status:	Permitted		
Ht pmp no:	5		
Permit:	X	Plugging:	Not Reported
Renovate:	Not Reported	Test:	Not Reported
Xcoord:	571177.976602		
Ycoord:	4802160.00258		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	0
Has constr:	0		
Wnumber:	0		
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2140635&reportName=WellPrintout		
Site id:	IAPW30000057479		

U106
SW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000182113**

Mapid:	182113	Wellid:	6977
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 22, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	80	C p date:	1910
Owner name:	Laub, Gretchn		
Other info:	Drilling method: Drilled; Known well depth		
Xcoord:	569874.69		
Ycoord:	4802578		
Hlink:	Not Reported		
Site id:	IAPU30000182113		

U107
SW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000182135**

Mapid:	182135	Wellid:	32871
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 22, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	80	C p date:	1909
Owner name:	Ahern, Pat		
Other info:	Drilling method: Drilled;		
Xcoord:	569873.69		
Ycoord:	4802579		
Hlink:	Not Reported		

Site id: IAPU30000182135

U108
SW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000182141**

Mapid:	182141	Wellid:	6979
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 22, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	80	C p date:	1910
Owner name:	Laub, Gretchn		
Other info:	Drilling method: Drilled; Known well depth		
Xcoord:	569870.69		
Ycoord:	4802579		
Hlink:	Not Reported		
Site id:	IAPU30000182141		

U109
SW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000182105**

Mapid:	182105	Wellid:	32865
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 22, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	80	C p date:	1909
Owner name:	Ahern, Pat		
Other info:	Drilling method: Drilled;		
Xcoord:	569862.69		
Ycoord:	4802583		
Hlink:	Not Reported		
Site id:	IAPU30000182105		

U110
SW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000182146**

Mapid:	182146	Wellid:	6978
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 22, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	80	C p date:	1910
Owner name:	Laub, Gretchn		
Other info:	Drilling method: Drilled; Known well depth		
Xcoord:	569871.69		
Ycoord:	4802570		
Hlink:	Not Reported		

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Site id: IAPU30000182146

U111
SW
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000006979**

Recordno:	6979	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	22
Qqqqq:	SW SW	Q abc:	CC
Checked:	Not Reported	Ownerfirst:	GRETCHN
Ownerlast:	LAUB	Owneraddr:	205 6TH AVENUE W
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	3195473384
County:	45	Legal:	SWSW22 9911W
Depth:	80	Dpth rel:	K
Permit:	Not Reported	Sampldte:	18-JUL-94
Lab:	Not Reported		
Lab no:	Not Reported		
Anal dte:	21-JUL-94	Smplsrce:	KITCHEN SINK
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	<	Bact:	2.20000004768372
Bctcolml:	0	Bact s u:	S
No3r:	Not Reported	No3:	23
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	K
Case mat:	STEEL	Cs mt rel:	K
Case diam:	6	Csdia rel:	K
Year cons:	1910	Yr rel:	E
Agentfirst:	ANN	Agentlast:	NOVAK
Created:	Not Reported	Updated:	TALT 05/30/95 09:43:56
Flag:	Not Reported		
Utm x:	569881.06		
Utm y:	4802366.06		
Site id:	IAPR30000006979		

U112
SW
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000006978**

Recordno:	6978	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	22
Qqqqq:	SW SW	Q abc:	CC
Checked:	Not Reported	Ownerfirst:	GRETCHN
Ownerlast:	LAUB	Owneraddr:	205 6TH AVENUE W
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	3195473384
County:	45	Legal:	SWSW22 9911W
Depth:	80	Dpth rel:	K

Permit:	Not Reported	Sampldte:	11-JUL-94
Lab:	Not Reported		
Lab no:	Not Reported		
Anal dte:	18-JUL-94	Smplsrce:	RENTER'S KITCHEN TAP
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	<	Bact:	2.20000004768372
Bctcolml:	0	Bact s u:	S
No3r:	Not Reported	No3:	22
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	K
Case mat:	STEEL	Cs mt rel:	K
Case diam:	6	Csdia rel:	K
Year cons:	1910	Yr rel:	E
Agentfirst:	Not Reported	Agentlast:	Not Reported
Created:	Not Reported	Updated:	TALT 05/30/95 09:42:34
Flag:	Not Reported		
Utm x:	569881.06		
Utm y:	4802366.06		
Site id:	IAPR30000006978		

U113
SW
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000006977**

Recordno:	6977	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	22
Qqqqq:	SW SW	Q abc:	CC
Checked:	Not Reported	Ownerfirst:	GRETCHN
Ownerlast:	LAUB	Owneraddr:	205 6TH AVENUE W
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	3195473384
County:	45	Legal:	SWSW22 9911W
Depth:	80	Dpth rel:	K
Permit:	Not Reported	Sampldte:	22-MAY-90
Lab:	Not Reported		
Lab no:	Not Reported		
Anal dte:	30-DEC-99	Smplsrce:	KITCHEN HARD
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	9.19999980926514
Bctcolml:	0	Bact s u:	U
No3r:	Not Reported	No3:	22
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	K
Case mat:	STEEL	Cs mt rel:	K
Case diam:	6	Csdia rel:	K
Year cons:	1910	Yr rel:	E
Agentfirst:	LEE	Agentlast:	PETERSON
Created:	Not Reported	Updated:	TALT 05/30/95 09:40:07
Flag:	YNNNNNNNNNNNNNNNNNN		
Utm x:	569881.06		
Utm y:	4802366.06		
Site id:	IAPR30000006977		

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
U114 **SW** **1/2 - 1 Mile** **Lower**	**IA WELLS**	**IAPR30000032865**

Recordno:	32865	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	22
Qqqqq:	SW SW	Q abc:	CC
Checked:	bbierma 07/30/97 12:19:59	Ownerfirst:	PAT
Ownerlast:	AHERN	Owneraddr:	22085 HWY. 9
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	Not Reported
County:	45	Legal:	SWSW22 9911W
Depth:	80	Dpth rel:	Not Reported
Permit:	Not Reported	Sampldte:	22-MAY-90
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	G036156		
Anal dte:	23-MAY-90	Smplsrce:	KITCHEN-HARD
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	0
Bctcolml:	0	Bact s u:	U
No3r:	Not Reported	No3:	22
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	Not Reported
Case mat:	STEEL	Cs mt rel:	Not Reported
Case diam:	6	Csdia rel:	K
Year cons:	1909	Yr rel:	E
Agentfirst:	LEE	Agentlast:	PETERSON
Created:	lbarry 07/29/97 13:11:49	Updated:	bbierma 07/30/97 12:19:59
Flag:	YNNYNNNNNNNNNNNNNNN		
Utm x:	569881.06		
Utm y:	4802366.06		
Site id:	IAPR30000032865		

	Database	EDR ID Number
U115 **SW** **1/2 - 1 Mile** **Lower**	**IA WELLS**	**IAPR30000032871**

Recordno:	32871	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	22
Qqqqq:	SW SW	Q abc:	CC
Checked:	bbierma 07/30/97 12:18:41	Ownerfirst:	PAT
Ownerlast:	AHERN	Owneraddr:	22085 HWY. 9
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	Not Reported
County:	45	Legal:	SWSW22 9911W
Depth:	80	Dpth rel:	Not Reported
Permit:	Not Reported	Sampldte:	09-JUN-97
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	G10835		
Anal dte:	12-JUN-97	Smplsrce:	KITCHEN-HARD
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	0
Bctcolml:	0	Bact s u:	S
No3r:	Not Reported	No3:	24
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	Not Reported
Case mat:	STEEL	Cs mt rel:	Not Reported

Case diam:	6	Csdia rel:	K
Year cons:	1909	Yr rel:	E
Agentfirst:	LACINDA	Agentlast:	ALTMAN
Created:	lbarry 07/29/97 13:22:25	Updated:	bbierma 07/30/97 12:18:41
Flag:	YNNYNNNNNNNNNNNNNNN		
Utm x:	569881.06		
Utm y:	4802366.06		
Site id:	IAPR30000032871		

U116
SW
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000032868**

Recordno:	32868	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	22
Qqqqq:	SW SW	Q abc:	CC
Checked:	bbierma 07/30/97 12:18:31	Ownerfirst:	PAT
Ownerlast:	AHERN	Owneraddr:	22085 HWY. 9
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	Not Reported
County:	45	Legal:	SWSW22 9911W
Depth:	80	Dpth rel:	Not Reported
Permit:	Not Reported	Sampldte:	18-JUL-94
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	G001860		
Anal dte:	21-JUL-94	Smplsrce:	KITCHEN-HARD
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	0
Bctcolml:	0	Bact s u:	S
No3r:	Not Reported	No3:	23
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	Not Reported
Case mat:	STEEL	Cs mt rel:	Not Reported
Case diam:	6	Csdia rel:	K
Year cons:	1909	Yr rel:	E
Agentfirst:	ANN	Agentlast:	NOVAK
Created:	lbarry 07/29/97 13:19:47	Updated:	bbierma 07/30/97 12:18:31
Flag:	YNNYNNNNNNNNNNNNNNN		
Utm x:	569881.06		
Utm y:	4802366.06		
Site id:	IAPR30000032868		

U117
SW
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000032867**

Recordno:	32867	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	22
Qqqqq:	SW SW	Q abc:	CC
Checked:	bbierma 07/30/97 12:19:15	Ownerfirst:	PAT
Ownerlast:	AHERN	Owneraddr:	22085 HWY. 9
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	Not Reported
County:	45	Legal:	SWSW22 9911W
Depth:	80	Dpth rel:	Not Reported

Permit:	Not Reported	Sampldte:	11-JUL-94
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	G000948		
Anal dte:	18-JUL-94	Smplsrce:	KITCHEN-HARD
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	0
Bctcolml:	0	Bact s u:	S
No3r:	Not Reported	No3:	22
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	Not Reported
Case mat:	STEEL	Cs mt rel:	Not Reported
Case diam:	6	Csdia rel:	K
Year cons:	1909	Yr rel:	E
Agentfirst:	LEE	Agentlast:	PETERSON
Created:	lbarry 07/29/97 13:19:42	Updated:	bbierma 07/30/97 12:19:15
Flag:	YNNYNNNNNNNNNNNNNNN		
Utm x:	569881.06		
Utm y:	4802366.06		
Site id:	IAPR30000032867		

U118
SW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000182123**

Mapid:	182123	Wellid:	32868
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 22, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	80	C p date:	1909
Owner name:	Ahern, Pat		
Other info:	Drilling method: Drilled;		
Xcoord:	569865.69		
Ycoord:	4802570		
Hlink:	Not Reported		
Site id:	IAPU30000182123		

119
East
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000184188**

Mapid:	184188	Wellid:	27938
Id src fld:	recordno	Datasrc:	PVTP
Well type:	Permitted private wells	Location:	T. 99 N., R. 11 W., Sec. 23, NW, SE, SE
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	unkn	C p date:	10/18/2000
Owner name:	Lindstrom		
Other info:	Primary use:		
Xcoord:	571981.38		
Ycoord:	4803307.5		
Hlink:	Not Reported		

Site id: IAPU30000184188

120
SSW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000182931**

Mapid:	182931	Wellid:	41463
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 27, NE, NW, SW
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	80	C p date:	n.a.
Owner name:	Moen, Ron		
Other info:	Well plugged: 4/12/2000; Well type: < 18" dia.		
Xcoord:	570570.88		
Ycoord:	4802079.5		
Hlink:	Not Reported		
Site id:	IAPU30000182931		

121
SSW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000182613**

Mapid:	182613	Wellid:	9167
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 27, NW, NE, --
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	41	C p date:	n.a.
Owner name:	Reicks, Rick		
Other info:	Well plugged: 9/21/1992; Well type: < 18" dia.		
Xcoord:	570273.06		
Ycoord:	4802181		
Hlink:	Not Reported		
Site id:	IAPU30000182613		

W122
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000184070**

Mapid:	184070	Wellid:	2150043
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 23, SE, SW, NW, NE, SE
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	0	C p date:	Not Reported
Owner name:	Not Reported		
Other info:	Status: Permitted; Well use: Heat pump		
Xcoord:	571809.990591		
Ycoord:	4802547.16446		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2150043&reportName=WellPrintout		

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Site id: IAPU30000184070

W123
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPW30000089780**

Objectid:	89780	Iwellid:	2195126
Wellnmbr:	2150043	Pmtnmbr:	33111
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	23		
Qqqqq:	SE, SW, NW, NE, SE		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	0		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.3723564148		
Longitude:	-92.1136169434		
Dte done:	30-DEC-99		
Cty num:	45		
County:	Howard		
Drlr name:	Enviro-Tec Inc.		
Owner name:	,		
Cnstr mthd:	Not Reported		
Fm rmk:	Not Reported		
Well use:	Heat pump		
Status:	Permitted		
Ht pmp no:	66		
Permit:	X	Plugging:	Not Reported
Renovate:	Not Reported	Test:	Not Reported
Xcoord:	571809.99062		
Ycoord:	4802547.16448		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	0
Has constr:	0		
Wnumber:	0		
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2150043&reportName=WellPrintout		
Site id:	IAPW30000089780		

X124
NE
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000183913**

Mapid:	183913	Wellid:	2123025
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 23, NW, NE, NW, NW, NE
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	80	C p date:	01/01/1901
Owner name:	Ladwig, Lillian		
Other info:	Status: Active; Well use: Household		
Xcoord:	571763.571127		
Ycoord:	4803995.40916		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2123025&reportName=WellPrintout		

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Site id: IAPU30000183913

X125
NE
1/2 - 1 Mile
Lower

IA WELLS **IAPW30000056862**

Objectid:	56862	Iwellid:	2142213
Wellnmbr:	2123025	Pmtnmbr:	Not Reported
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	23		
Qqqqq:	NW, NE, NW, NW, NE		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	80		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.3854		
Longitude:	-92.114		
Dte done:	01-JAN-01		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	Ladwig, Lillian		
Cnstr mthd:	Unknown		
Fm rmk:	Not Reported		
Well use:	Household		
Status:	Active		
Ht pmp no:	0		
Permit:	Not Reported	Plugging:	Not Reported
Renovate:	Not Reported	Test:	X
Xcoord:	571763.571127		
Ycoord:	4803995.40916		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	1
Has constr:	0		
Wnumber:	0		
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2123025&reportName=WellPrintout		
Site id:	IAPW30000056862		

126
SSE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183819**

Mapid:	183819	Wellid:	730
Id src fld:	recordno	Datasrc:	PVTP
Well type:	Permitted private wells	Location:	T. 99 N., R. 11 W., Sec. 26, NWNW
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	130	C p date:	unkn
Owner name:	Holub, Irvin L		
Other info:	Primary use: Irrigation		
Xcoord:	571488.88		
Ycoord:	4802193.5		
Hlink:	Not Reported		

Site id: IAPU30000183819

127
South
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000183255**

Mapid:	183255	Wellid:	46082
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 27, , , , , , , NE
County:	Howard	Est loc ac:	Calc. +/- 570m.
Depth:	68	C p date:	n.a.
Owner name:	Gooder, Lee		
Other info:	Well plugged: 4/27/2001; Well type: < 18" dia.		
Xcoord:	570877.88		
Ycoord:	4801984		
Hlink:	Not Reported		
Site id:	IAPU30000183255		

Y128
WSW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000181785**

Mapid:	181785	Wellid:	2076196
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 21, SW, NE, SW, NE, SE
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	80	C p date:	01/01/1930
Owner name:	Hudecek, Martin		
Other info:	Status: Active; Well use: Household		
Xcoord:	569595.94455		
Ycoord:	4802884.26201		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2076196&reportName=WellPrintout		
Site id:	IAPU30000181785		

Y129
WSW
1/2 - 1 Mile
Lower

IA WELLS **IAPW30000000986**

Objectid:	986	Iwellid:	2076858
Wellnmbr:	2076196	Pmtnmbr:	Not Reported
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	21		
Qqqqq:	SW, NE, SW, NE, SE		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	80		

Br depth:	0		
Wtr depth:	0		
Latitude:	43.3756		
Longitude:	-92.1409		
Dte done:	01-JAN-30		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	Jackson, Chad		
Cnstr mthd:	Unknown		
Fm rmk:	Not Reported		
Well use:	Household		
Status:	Active		
Ht pmp no:	0		
Permit:	Not Reported	Plugging:	Not Reported
Renovate:	Not Reported	Test:	X
Xcoord:	569595.94455		
Ycoord:	4802884.26201		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	1
Has constr:	0		
Wnumber:	0		
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2076196&reportName=WellPrintout		
Site id:	IAPW30000000986		

130
ESE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000184236**

Mapid:	184236	Wellid:	34252
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 23, SW, SE, NE
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	5	C p date:	n.a.
Owner name:	Gosch, David		
Other info:	Well plugged: 6/5/1998; Well type: other		
Xcoord:	571988.38		
Ycoord:	4802721		
Hlink:	Not Reported		
Site id:	IAPU30000184236		

Y131
WSW
1/2 - 1 Mile
Lower

IA WELLS **IAPW30000000762**

Objectid:	762	Iwellid:	2076874
Wellnmbr:	2076206	Pmtnmbr:	Not Reported
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	21		
Qqqqq:	SW, NE, SW, SE, SW		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	120		

Br depth:	0		
Wtr depth:	0		
Latitude:	43.3747		
Longitude:	-92.1413		
Dte done:	01-JAN-63		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	,		
Cnstr mthd:	Unknown		
Fm rmk:	Not Reported		
Well use:	Commercial		
Status:	Active		
Ht pmp no:	0		
Permit:	Not Reported	Plugging:	Not Reported
Renovate:	Not Reported	Test:	X
Xcoord:	569564.569136		
Ycoord:	4802783.97767		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	1
Has constr:	0		
Wnumber:	0		
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2076206&reportName=WellPrintout		
Site id:	IAPW30000000762		

Y132
WSW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000181729**

Mapid:	181729	Wellid:	2076206
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 21, SW, NE, SW, SE, SW
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	120	C p date:	01/01/1963
Owner name:	Not Reported		
Other info:	Status: Active; Well use: Commercial		
Xcoord:	569564.569136		
Ycoord:	4802783.97767		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2076206&reportName=WellPrintout		
Site id:	IAPU30000181729		

Z133
NW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000181965**

Mapid:	181965	Wellid:	7017
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 15, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	340	C p date:	1986
Owner name:	Phillips, Bruce		
Other info:	Drilling method: Drilled; Known well depth		
Xcoord:	569870.88		
Ycoord:	4804194		
Hlink:	Not Reported		

Site id: IAPU30000181965

AA134
NW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000181856**

Mapid:	181856	Wellid:	2626
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 15, SW, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	197	C p date:	n.a.
Owner name:	Phillips, Bruce		
Other info:	Well plugged: 6/13/1990; Well type: > 18" dia.		
Xcoord:	569772.69		
Ycoord:	4804090		
Hlink:	Not Reported		
Site id:	IAPU30000181856		

Z135
NW
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000007017**

Recordno:	7017	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	15
Qqqqq:	SW SW	Q abc:	CC
Checked:	Not Reported	Ownerfirst:	BRUCE
Ownerlast:	PHILLIPS	Owneraddr:	RR 3 BOX 25
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	Not Reported
County:	45	Legal:	SWSW15 9911W
Depth:	340	Dpth rel:	K
Permit:	Not Reported	Sampldte:	11-JUL-94
Lab:	Not Reported		
Lab no:	Not Reported		
Anal dte:	15-JUL-94	Smplsrce:	KITCHEN SINK
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	<	Bact:	2.20000004768372
Bctcolml:	0	Bact s u:	S
No3r:	Not Reported	No3:	42
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	K
Case mat:	STEEL	Cs mt rel:	K
Case diam:	6	Csdia rel:	K
Year cons:	1986	Yr rel:	K
Agentfirst:	ANN	Agentlast:	NOVAK
Created:	Not Reported	Updated:	TALT 05/30/95 11:31:38
Flag:	YNNNNNNNNNNNNNNNNNN		
Utm x:	569878.25		
Utm y:	4803989.25		
Site id:	IAPR30000007017		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database | EDR ID Number

Z136
NW
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000024900**

Recordno:	24900	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	15
Qqqqq:	SW SW	Q abc:	CC
Checked:	jgoodri 04/11/97 12:53:47	Ownerfirst:	DONNA
Ownerlast:	ERNST	Owneraddr:	723 3RD STREET SE
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	3195473375
County:	45	Legal:	SWSW15 9911W
Depth:	160	Dpth rel:	Not Reported
Permit:	Not Reported	Sampldte:	09-APR-91
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	030047		
Anal dte:	10-APR-91	Smplsrce:	HYDRANT
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	<	Bact:	2.20000004768372
Bctcolml:	0	Bact s u:	S
No3r:	Not Reported	No3:	75
No3 s u:	U	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	U
Case mat:	Not Reported	Cs mt rel:	U
Case diam:	0	Csdia rel:	U
Year cons:	1960	Yr rel:	Not Reported
Agentfirst:	Not Reported	Agentlast:	Not Reported
Created:	bbierma 04/10/97 12:05:52	Updated:	jgoodri 04/11/97 12:53:47
Flag:	YNNNNNNNNNNNNNNNNNN		
Utm x:	569878.25		
Utm y:	4803989.25		
Site id:	IAPR30000024900		

Z137
NW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000181971**

Mapid:	181971	Wellid:	24900
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 15, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	160	C p date:	1960
Owner name:	Ernst, Donna		
Other info:	Drilling method: Drilled;		
Xcoord:	569862.88		
Ycoord:	4804203		
Hlink:	Not Reported		
Site id:	IAPU30000181971		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AA138
NW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000181867**

Mapid:	181867	Wellid:	29687
Id src fld:	wnumber	Datasrc:	GEOU
Well type:	IGS well database	Location:	T. 99N., R. 11W., Sec. 15, SW, SW, SW
County:	HOWARD	Est loc ac:	Calc. +/- 140 m.
Depth:	380	C p date:	12/12/1988
Owner name:	PHILLIPS, BRUCE		
Other info:	Bedrock depth: 3; Well type: Private		
Xcoord:	569765.45		
Ycoord:	4804099.75		
Hlink:	http://www.igsb.uiowa.edu/webapps/geosam/Scripts/geocard.asp?wnumber=29687		
Site id:	IAPU30000181867		

AB139
SW
1/2 - 1 Mile
Lower

IA WELLS **IAPW30000031341**

Objectid:	31341	Iwellid:	2118890
Wellnmbr:	2106516	Pmtnmbr:	Not Reported
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	22		
Qqqqq:	SE, SE, SE, SE, NW		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	80		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.3716		
Longitude:	-92.1396		
Dte done:	01-JAN-10		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	Laub, Gretchen		
Cnstr mthd:	Unknown		
Fm rmk:	Not Reported		
Well use:	Household		
Status:	Active		
Ht pmp no:	0		
Permit:	Not Reported	Plugging:	Not Reported
Renovate:	Not Reported	Test:	X
Xcoord:	569705.839965		
Ycoord:	4802441.12215		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	1

Has constr:	0
Wnumber:	0
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2106516&reportName=WellPrintout
Site id:	IAPW30000031341

AB140
SW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000181938**

Mapid:	181938	Wellid:	2106516
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 22, SE, SE, SE, SE, NW
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	80	C p date:	01/01/1910
Owner name:	Laub, Gretchen		
Other info:	Status: Active; Well use: Household		
Xcoord:	569705.839965		
Ycoord:	4802441.12215		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2106516&reportName=WellPrintout		
Site id:	IAPU30000181938		

141
WSW
1/2 - 1 Mile
Lower

FED USGS **USGS40000322608**

Org. Identifier:	USGS-IA		
Formal name:	USGS Iowa Water Science Center		
Monloc Identifier:	USGS-432224092082701		
Monloc name:	099N11W21DDA 16107 1963		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	07060002	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	43.3733013
Longitude:	-92.141	Sourcemap scale:	24000
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	1287.00
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Altimeter		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19631019	Welldepth:	105
Welldepth units:	ft	Wellholedepth:	105
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1963-10-19	60.00	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database | EDR ID Number

AC142
West
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000181638**

Mapid:	181638	Wellid:	54436
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 21, SE, NE
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	100	C p date:	1963
Owner name:	Cargil		
Other info:	Drilling method: Drilled; Estimated well depth		
Xcoord:	569469.69		
Ycoord:	4802978.5		
Hlink:	Not Reported		
Site id:	IAPU30000181638		

AC143
West
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000181594**

Mapid:	181594	Wellid:	24904
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 21, SE, NE
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	100	C p date:	1963
Owner name:	Caigil		
Other info:	Drilling method: Drilled;		
Xcoord:	569465.69		
Ycoord:	4802984.5		
Hlink:	Not Reported		
Site id:	IAPU30000181594		

AC144
West
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000181617**

Mapid:	181617	Wellid:	6841
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 21, SE, NE
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	80	C p date:	1930
Owner name:	Hudecek, Martin		
Other info:	Drilling method: Drilled; Known well depth		
Xcoord:	569466.69		
Ycoord:	4802977.5		
Hlink:	Not Reported		
Site id:	IAPU30000181617		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database | EDR ID Number

AC145
West
1/2 - 1 Mile
Higher

IA WELLS **IAPR30000024904**

Recordno:	24904	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	21
Qqqqq:	SE NE	Q abc:	DA
Checked:	jgoodri 04/11/97 12:44:12	Ownerfirst:	Not Reported
Ownerlast:	CAIGIL	Owneraddr:	BOX 406 RT. 3
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	5473330
County:	45	Legal:	NESE21 9911W
Depth:	100	Dpth rel:	Not Reported
Permit:	Not Reported	Sampldte:	11-JUN-91
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	G037654		
Anal dte:	12-JUN-91	Smplsrce:	HYDRANT
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	0
Bctcolml:	0	Bact s u:	U
No3r:	Not Reported	No3:	26
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	Not Reported
Case mat:	STEEL	Cs mt rel:	Not Reported
Case diam:	6	Csdia rel:	Not Reported
Year cons:	1963	Yr rel:	Not Reported
Agentfirst:	RETA	Agentlast:	BRONNER
Created:	bbierma 04/10/97 12:26:14	Updated:	jgoodri 04/11/97 12:44:12
Flag:	YNNNNYNNNNNNNNNNNNN		
Utm x:	569481.13		
Utm y:	4802768.63		
Site id:	IAPR30000024904		

AC146
West
1/2 - 1 Mile
Higher

IA WELLS **IAPR30000006841**

Recordno:	6841	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	21
Qqqqq:	SE NE	Q abc:	DA
Checked:	Not Reported	Ownerfirst:	MARTIN
Ownerlast:	HUDECEK	Owneraddr:	RR 3 BOX 21-A
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	Not Reported
County:	45	Legal:	NESE21 9911W
Depth:	80	Dpth rel:	K
Permit:	Not Reported	Sampldte:	23-AUG-94
Lab:	Not Reported		
Lab no:	Not Reported		
Anal dte:	26-AUG-94	Smplsrce:	KITCHEN FAUCET
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	5.09999990463257
Bctcolml:	0	Bact s u:	U
No3r:	Not Reported	No3:	37
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	Not Reported
Case mat:	STEEL	Cs mt rel:	Not Reported

Case diam:	0	Csdia rel:	Not Reported
Year cons:	1930	Yr rel:	E
Agentfirst:	ANN	Agentlast:	NOVAK
Created:	Not Reported	Updated:	TALT 05/24/95 14:28:04
Flag:	Not Reported		
Utm x:	569481.13		
Utm y:	4802768.63		
Site id:	IAPR30000006841		

AC147
West
1/2 - 1 Mile
Higher

IA WELLS **IAPR30000006840**

Recordno:	6840	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	21
Qqqqq:	SE NE	Q abc:	DA
Checked:	Not Reported	Ownerfirst:	MARTIN
Ownerlast:	HUDECEK	Owneraddr:	RR 3 BOX 21-A
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	Not Reported
County:	45	Legal:	NESE21 9911W
Depth:	80	Dpth rel:	K
Permit:	Not Reported	Sampldte:	29-OCT-91
Lab:	Not Reported		
Lab no:	Not Reported		
Anal dte:	30-DEC-99	Smplsrce:	KITCHEN SOFT
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	<	Bact:	2.20000004768372
Bctcolml:	0	Bact s u:	S
No3r:	Not Reported	No3:	35
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	Not Reported
Case mat:	STEEL	Cs mt rel:	Not Reported
Case diam:	0	Csdia rel:	Not Reported
Year cons:	1930	Yr rel:	E
Agentfirst:	RETA	Agentlast:	BRONNER
Created:	Not Reported	Updated:	TALT 05/24/95 14:26:40
Flag:	Not Reported		
Utm x:	569481.13		
Utm y:	4802768.63		
Site id:	IAPR30000006840		

AC148
West
1/2 - 1 Mile
Higher

IA WELLS **IAPR30000054875**

Recordno:	54875	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	21
Qqqqq:	SE NE	Q abc:	DA
Checked:	cpartai 03/30/99 11:18:22	Ownerfirst:	MARTIN
Ownerlast:	HUDECEK	Owneraddr:	RR 3 21-A
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	Not Reported
County:	45	Legal:	NESE21 9911W
Depth:	80	Dpth rel:	K

Permit:	Not Reported	Sampldte:	29-OCT-91
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	G015053		
Anal dte:	31-OCT-91	Smplsrce:	KITCHEN FAUCET
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	0
Bctcolml:	0	Bact s u:	S
No3r:	Not Reported	No3:	35
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	Not Reported
Case mat:	STEEL	Cs mt rel:	Not Reported
Case diam:	0	Csdia rel:	U
Year cons:	1930	Yr rel:	E
Agentfirst:	RETA	Agentlast:	BRONNER
Created:	toehler 03/30/99 10:09:29	Updated:	cpartai 03/30/99 11:18:22
Flag:	YNNNNNNYNNNNNNNNNNN		
Utm x:	569481.13		
Utm y:	4802768.63		
Site id:	IAPR30000054875		

AC149
West
1/2 - 1 Mile
Higher

IA WELLS **IAPR30000054738**

Recordno:	54738	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	21
Qqqqq:	SE NE	Q abc:	DA
Checked:	cpartai 03/26/99 13:34:16	Ownerfirst:	MARTIN
Ownerlast:	HUDECEK	Owneraddr:	RR 3 21-A
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	Not Reported
County:	45	Legal:	NESE21 9911W
Depth:	80	Dpth rel:	K
Permit:	Not Reported	Sampldte:	29-OCT-91
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	G015053		
Anal dte:	31-OCT-91	Smplsrce:	KITCHEN FAUCET
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	0
Bctcolml:	0	Bact s u:	S
No3r:	Not Reported	No3:	35
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	Not Reported
Case mat:	STEEL	Cs mt rel:	Not Reported
Case diam:	0	Csdia rel:	U
Year cons:	1930	Yr rel:	E
Agentfirst:	RETA	Agentlast:	BRONNER
Created:	toehler 03/25/99 15:36:49	Updated:	cpartai 03/26/99 13:34:16
Flag:	YNNNNNNYNNNNNNNNNNN		
Utm x:	569481.13		
Utm y:	4802768.63		
Site id:	IAPR30000054738		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database | EDR ID Number

AC150
West
1/2 - 1 Mile
Higher

IA WELLS **IAPR30000054436**

Recordno:	54436	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	21
Qqqqq:	SE NE	Q abc:	DA
Checked:	kwillet 03/24/99 13:35:18	Ownerfirst:	Not Reported
Ownerlast:	CARGIL	Owneraddr:	BOX 406 R#3
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	5473330
County:	45	Legal:	NESE21 9911W
Depth:	100	Dpth rel:	E
Permit:	Not Reported	Sampldte:	11-JUN-91
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	G037654		
Anal dte:	12-JUN-91	Smplsrce:	OUTDOOR TAP
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	0
Bctcolml:	0	Bact s u:	U
No3r:	Not Reported	No3:	26
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	Not Reported
Case mat:	STEEL	Cs mt rel:	Not Reported
Case diam:	6	Csdia rel:	K
Year cons:	1963	Yr rel:	K
Agentfirst:	FRANK	Agentlast:	MCCONNELL
Created:	cpartai 03/23/99 10:32:25	Updated:	kwillet 03/24/99 13:35:18
Flag:	YNNNNNNYNNNNNNNNNNN		
Utm x:	569481.13		
Utm y:	4802768.63		
Site id:	IAPR30000054436		

AC151
West
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000181587**

Mapid:	181587	Wellid:	54875
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 21, SE, NE
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	80	C p date:	1930
Owner name:	Hudecek, Martin		
Other info:	Drilling method: Drilled; Known well depth		
Xcoord:	569460.69		
Ycoord:	4802977.5		
Hlink:	Not Reported		
Site id:	IAPU30000181587		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AC152
West
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000181621**

Mapid:	181621	Wellid:	6840
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 21, SE, NE
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	80	C p date:	1930
Owner name:	Hudecek, Martin		
Other info:	Drilling method: Drilled; Known well depth		
Xcoord:	569459.69		
Ycoord:	4802982.5		
Hlink:	Not Reported		
Site id:	IAPU30000181621		

AC153
West
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000181633**

Mapid:	181633	Wellid:	54738
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 21, SE, NE
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	80	C p date:	1930
Owner name:	Hudecek, Martin		
Other info:	Drilling method: Drilled; Known well depth		
Xcoord:	569457.69		
Ycoord:	4802984.5		
Hlink:	Not Reported		
Site id:	IAPU30000181633		

AD154
SSE
1/2 - 1 Mile
Higher

IA WELLS **IAPW30000005292**

Objectid:	5292	Iwellid:	2084655
Wellnmbr:	2081930	Pmtnmbr:	11894
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	26		
Qqqqq:	NW, NW, SW, SE, NE		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	0		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.3682		
Longitude:	-92.1165		
Dte done:	30-DEC-99		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	Sobolik, Troy		
Cnstr mthd:	Not Reported		

Fm rmk:	Not Reported		
Well use:	Heat pump		
Status:	Retired		
Ht pmp no:	1		
Permit:	X	Plugging:	Not Reported
Renovate:	Not Reported	Test:	Not Reported
Xcoord:	571581.308013		
Ycoord:	4802083.09083		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	0
Has constr:	0		
Wnumber:	0		
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2081930&reportName=WellPrintout		
Site id:	IAPW30000005292		

AD155
SSE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183904**

Mapid:	183904	Wellid:	2081930
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 26, NW, NW, SW, SE, NE
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	0	C p date:	Not Reported
Owner name:	Sobolik, Troy		
Other info:	Status: Retired; Well use: Heat pump		
Xcoord:	571581.308013		
Ycoord:	4802083.09083		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2081930&reportName=WellPrintout		
Site id:	IAPU30000183904		

AE156
NNE
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000183364**

Mapid:	183364	Wellid:	2076856
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 15, SW, NE, SW, NE, SW
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	180	C p date:	01/01/1901
Owner name:	Walton, Tim		
Other info:	Status: Active; Well use: Household, Livestock		
Xcoord:	571231.113738		
Ycoord:	4804556.22567		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2076856&reportName=WellPrintout		
Site id:	IAPU30000183364		

AE157
NNE
1/2 - 1 Mile
Lower

IA WELLS **IAPW30000001399**

Objectid:	1399	Iwellid:	2077858
Wellnmbr:	2076856	Pmtnmbr:	Not Reported
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	15		
Qqqqq:	SW, NE, SW, NE, SW		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	180		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.3905		
Longitude:	-92.1205		
Dte done:	01-JAN-01		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	Walton, Tim		
Cnstr mthd:	Unknown		
Fm rmk:	Not Reported		
Well use:	Household, Livestock		
Status:	Active		
Ht pmp no:	0		
Permit:	Not Reported	Plugging:	Not Reported
Renovate:	Not Reported	Test:	X
Xcoord:	571231.113738		
Ycoord:	4804556.22567		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	1
Has constr:	0		
Wnumber:	0		
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2076856&reportName=WellPrintout		
Site id:	IAPW30000001399		

AF158
North
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000183185**

Mapid:	183185	Wellid:	6998
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 15, SE, NE
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	180	C p date:	unkn
Owner name:	Walton, Tim		
Other info:	Drilling method: Drilled;		
Xcoord:	571052.38		
Ycoord:	4804609.5		
Hlink:	Not Reported		
Site id:	IAPU30000183185		

159
SSE
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000183548**

Mapid:	183548	Wellid:	27865
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 27, NE, SE, NE
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	unkn	C p date:	n.a.
Owner name:	Smith, Doug and Linda		
Other info:	Well plugged: 5/29/1997; Well type: other		
Xcoord:	571183.88		
Ycoord:	4801885		
Hlink:	Not Reported		
Site id:	IAPU30000183548		

AF160
North
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000183223**

Mapid:	183223	Wellid:	38695
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 15, SE, NE
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	180	C p date:	unkn
Owner name:	Walton, Tim		
Other info:	Drilling method: Drilled;		
Xcoord:	571053.38		
Ycoord:	4804616.5		
Hlink:	Not Reported		
Site id:	IAPU30000183223		

AB161
WSW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000181836**

Mapid:	181836	Wellid:	2130620
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 21, SW, SW, SW, SW, NE
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	107	C p date:	04/20/1977
Owner name:	Not Reported		
Other info:	Status: Active; Well use: Commercial		
Xcoord:	569640.912755		
Ycoord:	4802451.55966		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2130620&reportName=WellPrintout		
Site id:	IAPU30000181836		

AB162
WSW
1/2 - 1 Mile
Lower

IA WELLS **IAPW30000067231**

Objectid:	67231	Iwellid:	2153031
Wellnmbr:	2130620	Pmtnmbr:	Not Reported
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	21		
Qqqqq:	SW, SW, SW, SW, NE		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	107		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.3717		
Longitude:	-92.1404		
Dte done:	20-APR-77		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	Not Reported		
Cnstr mthd:	Cable Tool Drill -Driven		
Fm rmk:	Not Reported		
Well use:	Commercial		
Status:	Active		
Ht pmp no:	0		
Permit:	Not Reported	Plugging:	Not Reported
Renovate:	Not Reported	Test:	X
Xcoord:	569640.912755		
Ycoord:	4802451.55966		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	1
Has constr:	0		
Wnumber:	0		
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2130620&reportName=WellPrintout		
Site id:	IAPW30000067231		

AF163
North
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000006997**

Recordno:	6997	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	15
Qqqqq:	SE NE	Q abc:	DA
Checked:	Not Reported	Ownerfirst:	TIM
Ownerlast:	WALTON	Owneraddr:	RR 2
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	Not Reported
County:	45	Legal:	NESE15 9911W
Depth:	180	Dpth rel:	Not Reported
Permit:	Not Reported	Sampldte:	21-OCT-91
Lab:	Not Reported		
Lab no:	Not Reported		
Anal dte:	30-DEC-99	Smplsrce:	KITCHEN HARD
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	<	Bact:	2.20000004768372
Bctcolml:	0	Bact s u:	S
No3r:	NR	No3:	0
No3 s u:	Not Reported	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	Not Reported
Case mat:	STEEL	Cs mt rel:	Not Reported

Case diam:	6	Csdia rel:	Not Reported
Year cons:	0	Yr rel:	Not Reported
Agentfirst:	RETA	Agentlast:	BRONNER
Created:	Not Reported	Updated:	TALT 05/30/95 10:39:29
Flag:	Not Reported		
Utm x:	571067.75		
Utm y:	4804406		
Site id:	IAPR30000006997		

AF164
North
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000006998**

Recordno:	6998	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	15
Qqqqq:	SE NE	Q abc:	DA
Checked:	Not Reported	Ownerfirst:	TIM
Ownerlast:	WALTON	Owneraddr:	RR 2
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	Not Reported
County:	45	Legal:	NESE15 9911W
Depth:	180	Dpth rel:	Not Reported
Permit:	Not Reported	Sampldte:	11-JUL-94
Lab:	Not Reported		
Lab no:	Not Reported		
Anal dte:	18-JUL-94	Smplsrce:	KITCHEN SINK
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	2.20000004768372
Bctcolml:	0	Bact s u:	U
No3r:	<	No3:	1
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	Not Reported
Case mat:	STEEL	Cs mt rel:	Not Reported
Case diam:	6	Csdia rel:	Not Reported
Year cons:	0	Yr rel:	Not Reported
Agentfirst:	ANN	Agentlast:	NOVAK
Created:	Not Reported	Updated:	TALT 05/30/95 10:40:51
Flag:	Not Reported		
Utm x:	571067.75		
Utm y:	4804406		
Site id:	IAPR30000006998		

AF165
North
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000038695**

Recordno:	38695	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	15
Qqqqq:	SE NE	Q abc:	DA
Checked:	kwillet 11/25/97 13:19:39	Ownerfirst:	TIM
Ownerlast:	WALTON	Owneraddr:	RR1
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	Not Reported
County:	45	Legal:	NESE15 9911W
Depth:	180	Dpth rel:	Not Reported

Permit:	Not Reported	Sampldte:	11-AUG-97
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	G16739		
Anal dte:	15-AUG-97	Smplsrce:	KITCHEN SINK
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	0
Bctcolml:	0	Bact s u:	S
No3r:	<	No3:	1
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	Not Reported
Case mat:	STEEL	Cs mt rel:	Not Reported
Case diam:	6	Csdia rel:	K
Year cons:	0	Yr rel:	U
Agentfirst:	LACINDA	Agentlast:	ALTMAN
Created:	esmith 11/25/97 12:40:10	Updated:	kwillet 11/25/97 13:19:39
Flag:	YNNNNNNNNNNNNNNNNNN		
Utm x:	571067.75		
Utm y:	4804406		
Site id:	IAPR30000038695		

AF166
North
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000183191**

Mapid:	183191	Wellid:	6997
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 15, SE, NE
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	180	C p date:	unkn
Owner name:	Walton, Tim		
Other info:	Drilling method: Drilled;		
Xcoord:	571049.38		
Ycoord:	4804620.5		
Hlink:	Not Reported		
Site id:	IAPU30000183191		

AG167
SW
1/2 - 1 Mile
Lower

IA WELLS **IAPW30000052994**

Objectid:	52994	Iwellid:	2160849
Wellnmbr:	2134283	Pmtnmbr:	27955
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	22		
Qqqqq:	SE, SE, SE, NW, SE		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	396		

Br depth:	0		
Wtr depth:	103		
Latitude:	43.3703460693		
Longitude:	-92.1393661499		
Dte done:	06-MAY-08		
Cty num:	45		
County:	Howard		
Drlr name:	Shawver Well Co.		
Owner name:	Not Reported		
Cnstr mthd:	Rotary Drill		
Fm rmk:	Not Reported		
Well use:	Commercial		
Status:	Active		
Ht pmp no:	0		
Permit:	X	Plugging:	Not Reported
Renovate:	Not Reported	Test:	X
Xcoord:	569726.222114		
Ycoord:	4802302.06068		
Horiz acc:	Not Reported	Has litho:	1
Has prod:	1	Has wq:	1
Has constr:	1		
Wnumber:	64910		
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2134283&reportName=WellPrintout		
Site id:	IAPW30000052994		

AG168
SW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000182001**

Mapid:	182001	Wellid:	2134283
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 22, SE, SE, SE, NW, SE
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	396	C p date:	05/06/2008
Owner name:	Not Reported		
Other info:	Status: Active; Well use: Commercial		
Xcoord:	569726.222122		
Ycoord:	4802302.06072		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2134283&reportName=WellPrintout		
Site id:	IAPU30000182001		

AH169
ESE
1/2 - 1 Mile
Higher

IA WELLS **IAPW30000033611**

Objectid:	33611	Iwellid:	2121672
Wellnmbr:	2108462	Pmtnmbr:	19275
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	23		
Qqqqq:	SW, SE, NW, SE, SE		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	150		

Br depth:	0		
Wtr depth:	0		
Latitude:	43.373		
Longitude:	-92.11		
Dte done:	18-APR-05		
Cty num:	45		
County:	Howard		
Drlr name:	Enviro-Tec Inc.		
Owner name:	Gast, Bill		
Cnstr mthd:	Auger, Bored or Bucket		
Fm rmk:	Not Reported		
Well use:	Heat pump		
Status:	Active		
Ht pmp no:	4		
Permit:	X	Plugging:	Not Reported
Renovate:	Not Reported	Test:	Not Reported
Xcoord:	572102.254769		
Ycoord:	4802621.75841		
Horiz acc:	Not Reported	Has litho:	1
Has prod:	0	Has wq:	0
Has constr:	0		
Wnumber:	0		
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2108462&reportName=WellPrintout		
Site id:	IAPW30000033611		

AH170
ESE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000184352**

Mapid:	184352	Wellid:	2108462
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 23, SW, SE, NW, SE, SE
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	150	C p date:	04/18/2005
Owner name:	Gast, Bill		
Other info:	Status: Active; Well use: Heat pump		
Xcoord:	572102.254769		
Ycoord:	4802621.75841		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2108462&reportName=WellPrintout		
Site id:	IAPU30000184352		

AH171
ESE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000184339**

Mapid:	184339	Wellid:	2123351
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 23, SW, SE, SE, NW, NW
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	53	C p date:	01/01/1901
Owner name:	Murphy, Don		
Other info:	Status: Plugged; Well use: Household		
Xcoord:	572086.407295		
Ycoord:	4802588.26866		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2123351&reportName=WellPrintout		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Site id: IAPU30000184339

AH172
ESE
1/2 - 1 Mile
Higher

IA WELLS **IAPW30000046277**

Objectid:	46277	Iwellid:	2142698
Wellnmbr:	2123351	Pmtnmbr:	Not Reported
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	23		
Qqqqq:	SW, SE, SE, NW, NW		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	53		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.3727		
Longitude:	-92.1102		
Dte done:	01-JAN-01		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	Murphy, Don		
Cnstr mthd:	Unknown		
Fm rmk:	Not Reported		
Well use:	Household		
Status:	Plugged		
Ht pmp no:	0		
Permit:	Not Reported	Plugging:	X
Renovate:	Not Reported	Test:	Not Reported
Xcoord:	572086.407295		
Ycoord:	4802588.26866		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	0
Has constr:	0		
Wnumber:	0		
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2123351&reportName=WellPrintout		
Site id:	IAPW30000046277		

AI173
NE
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000184003**

Mapid:	184003	Wellid:	26430
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 14, SW, SE
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	unkn	C p date:	1960
Owner name:	Laub-novak, Karen		
Other info:	Drilling method: Drilled; Well depth is uncertain		
Xcoord:	571864.56		
Ycoord:	4804212.5		
Hlink:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Site id: IAPU30000184003

AI174
NE
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000026430**

Recordno:	26430	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	14
Qqqqq:	SW SE	Q abc:	CD
Checked:	lmcmull 05/19/97 14:18:44	Ownerfirst:	KAREN
Ownerlast:	LAUB-NOVAK	Owneraddr:	3211 NORTHAMPTON ST NW
Ownercity:	WASHINGTON	Ownerst:	DC
Ownerzip:	20015	Ownerphone:	9669990
County:	45	Legal:	SESW14 9911W
Depth:	0	Dpth rel:	U
Permit:	Not Reported	Sampldte:	22-MAY-90
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	036157		
Anal dte:	30-DEC-99	Smplsrce:	WELL HOUSE FAUCET
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	0
Bctcolml:	0	Bact s u:	S
No3r:	Not Reported	No3:	29
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	Not Reported
Case mat:	STEEL	Cs mt rel:	Not Reported
Case diam:	6	Csdia rel:	Not Reported
Year cons:	1960	Yr rel:	Not Reported
Agentfirst:	LEE	Agentlast:	PETERSON
Created:	pheesch 05/14/97 14:02:59	Updated:	lmcmull 05/19/97 14:18:44
Flag:	YNNNNNNNNNNNNNNNNNN		
Utm x:	571880		
Utm y:	4804009		
Site id:	IAPR30000026430		

AJ175
WNW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000181539**

Mapid:	181539	Wellid:	7011
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 21, NE, NE
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	96	C p date:	1965
Owner name:	Hove, Marion		
Other info:	Drilling method: Drilled; Well depth is uncertain		
Xcoord:	569471.69		
Ycoord:	4803785		
Hlink:	Not Reported		

Site id: IAPU30000181539

176
WSW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000181780**

Mapid:	181780	Wellid:	16107
Id src fld:	wnumber	Datasrc:	GEOU
Well type:	IGS well database	Location:	T. 99N., R. 11W., Sec. 21, SE, SE, NE
County:	HOWARD	Est loc ac:	Calc. +/- 140 m.
Depth:	105	C p date:	10/19/1963
Owner name:	CRESCO PELLET PLANT		
Other info:	Bedrock depth: 5; Well type: Commercial		
Xcoord:	569581.06		
Ycoord:	4802464.31		
Hlink:	http://www.igsb.uiowa.edu/webapps/geosam/Scripts/geocard.asp?wnumber=16107		
Site id:	IAPU30000181780		

AK177
ESE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000184427**

Mapid:	184427	Wellid:	2083529
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 23, SW, NW, SE, NE, SE
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	0	C p date:	Not Reported
Owner name:	Andera, Darrell		
Other info:	Status: Retired; Well use: Heat pump		
Xcoord:	572228.43525		
Ycoord:	4802945.20602		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2083529&reportName=WellPrintout		
Site id:	IAPU30000184427		

AK178
ESE
1/2 - 1 Mile
Higher

IA WELLS **IAPW30000012535**

Objectid:	12535	Iwellid:	2086744
Wellnmbr:	2083529	Pmtnmbr:	12278
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	23		
Qqqqq:	SW, NW, SE, NE, SE		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	0		

Br depth:	0		
Wtr depth:	0		
Latitude:	43.3759		
Longitude:	-92.1084		
Dte done:	30-DEC-99		
Cty num:	45		
County:	Howard		
Drlr name:	Enviro-Tec Inc.		
Owner name:	Andera, Darrell		
Cnstr mthd:	Not Reported		
Fm rmk:	Not Reported		
Well use:	Heat pump		
Status:	Retired		
Ht pmp no:	1		
Permit:	X	Plugging:	Not Reported
Renovate:	Not Reported	Test:	Not Reported
Xcoord:	572228.43525		
Ycoord:	4802945.20602		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	0
Has constr:	0		
Wnumber:	0		
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2083529&reportName=WellPrintout		
Site id:	IAPW30000012535		

AJ179
WNW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000181523**

Mapid:	181523	Wellid:	32881
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 21, NE, NE
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	96	C p date:	1965
Owner name:	Hove, Marion		
Other info:	Drilling method: Drilled; Well depth is uncertain		
Xcoord:	569465.69		
Ycoord:	4803786		
Hlink:	Not Reported		
Site id:	IAPU30000181523		

AJ180
WNW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000181512**

Mapid:	181512	Wellid:	9356
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 21, NE, NE
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	96	C p date:	1965
Owner name:	Hove, Marion		
Other info:	Drilling method: Drilled; Estimated well depth		
Xcoord:	569463.69		
Ycoord:	4803783		
Hlink:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Site id: IAPU30000181512

181
South
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000183049**

Mapid:	183049	Wellid:	46596
Id src fld:	wnumber	Datasrc:	GEOU
Well type:	IGS well database	Location:	T. 99N., R. 11W., Sec. 27, NE, SW
County:	HOWARD	Est loc ac:	Calc. +/- 280 m.
Depth:	135	C p date:	09/16/1998
Owner name:	FENSKE, VERN		
Other info:	Bedrock depth: 14; Well type: Private		
Xcoord:	570681.04		
Ycoord:	4801784.64		
Hlink:	http://www.igsb.uiowa.edu/webapps/geosam/Scripts/geocard.asp?wnumber=46596		
Site id:	IAPU30000183049		

AJ182
WNW
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000009329**

Recordno:	9329	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	21
Qqqqq:	NE NE	Q abc:	AA
Checked:	ehuffma 07/29/97 13:50:40	Ownerfirst:	MARION
Ownerlast:	HOVE	Owneraddr:	RR3 BOX 22
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	Not Reported
County:	45	Legal:	NENE21 9911W
Depth:	96	Dpth rel:	E
Permit:	Not Reported	Sampldte:	27-FEB-95
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	G003975		
Anal dte:	02-MAR-95	Smplsrce:	KIT SINK
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	<	Bact:	2.20000004768372
Bctcolml:	0	Bact s u:	S
No3r:	NR	No3:	0
No3 s u:	Not Reported	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	K
Case mat:	STEEL	Cs mt rel:	K
Case diam:	6	Csdia rel:	K
Year cons:	1965	Yr rel:	K
Agentfirst:	ANN	Agentlast:	NOVAK
Created:	Not Reported	Updated:	ehuffma 07/29/97 13:50:40
Flag:	YNNNNNNNNNNNNNNNNNN		
Utm x:	569480.06		
Utm y:	4803580.31		
Site id:	IAPR30000009329		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AJ183
WNW
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000007012**

Recordno:	7012	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	21
Qqqqq:	NE NE	Q abc:	AA
Checked:	ehuffma 07/29/97 13:47:32	Ownerfirst:	MARION
Ownerlast:	HOVE	Owneraddr:	RR 3 BOX 22
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	Not Reported
County:	45	Legal:	NENE21 9911W
Depth:	96	Dpth rel:	U
Permit:	Not Reported	Sampldte:	11-JUL-94
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	G000942		
Anal dte:	15-JUL-94	Smplsrce:	KITCHEN SINK
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	2.20000004768372
Bctcolml:	0	Bact s u:	U
No3r:	Not Reported	No3:	4
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	K
Case mat:	STEEL	Cs mt rel:	K
Case diam:	6	Csdia rel:	K
Year cons:	1965	Yr rel:	K
Agentfirst:	ANN	Agentlast:	NOVAK
Created:	Not Reported	Updated:	ehuffma 07/29/97 13:47:32
Flag:	YNNNNNNNNNNNNNNNNNN		
Utm x:	569480.06		
Utm y:	4803580.31		
Site id:	IAPR30000007012		

AJ184
WNW
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000007011**

Recordno:	7011	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	21
Qqqqq:	NE NE	Q abc:	AA
Checked:	ehuffma 07/29/97 13:46:38	Ownerfirst:	MARION
Ownerlast:	HOVE	Owneraddr:	RR 3 BOX 22
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	Not Reported
County:	45	Legal:	NENE21 9911W
Depth:	96	Dpth rel:	U
Permit:	Not Reported	Sampldte:	29-OCT-91
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	G015052		
Anal dte:	30-DEC-99	Smplsrce:	KITCHEN HARD
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	<	Bact:	2.20000004768372
Bctcolml:	0	Bact s u:	S
No3r:	Not Reported	No3:	5
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	K
Case mat:	STEEL	Cs mt rel:	K

Case diam:	6	Csdia rel:	K
Year cons:	1965	Yr rel:	K
Agentfirst:	RETA	Agentlast:	BRONNER
Created:	Not Reported	Updated:	ehuffma 07/29/97 13:46:38
Flag:	YNNNNNNNNNNNNNNNNNNN		
Utm x:	569480.06		
Utm y:	4803580.31		
Site id:	IAPR30000007011		

AJ185
WNW
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000009356**

Recordno:	9356	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	21
Qqqqq:	NE NE	Q abc:	AA
Checked:	ehuffma 07/29/97 13:49:18	Ownerfirst:	MARION
Ownerlast:	HOVE	Owneraddr:	RR3 BOX 2
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	Not Reported
County:	45	Legal:	NENE21 9911W
Depth:	96	Dpth rel:	E
Permit:	Not Reported	Sampldte:	07-FEB-95
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	G002757		
Anal dte:	10-FEB-95	Smplsrce:	KIT SINK
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	16
Bctcolml:	0	Bact s u:	U
No3r:	NR	No3:	0
No3 s u:	Not Reported	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	K
Case mat:	STEEL	Cs mt rel:	K
Case diam:	6	Csdia rel:	K
Year cons:	1965	Yr rel:	K
Agentfirst:	Not Reported	Agentlast:	Not Reported
Created:	Not Reported	Updated:	ehuffma 07/29/97 13:49:18
Flag:	YNNNNNNNNNNNNNNNNNNN		
Utm x:	569480.06		
Utm y:	4803580.31		
Site id:	IAPR30000009356		

AJ186
WNW
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000054732**

Recordno:	54732	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	21
Qqqqq:	NE NE	Q abc:	AA
Checked:	cpartai 03/25/99 16:02:57	Ownerfirst:	MARION
Ownerlast:	HOVE	Owneraddr:	RR 3 BOX 22
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	Not Reported
County:	45	Legal:	NENE21 9911W
Depth:	0	Dpth rel:	U

Permit:	Not Reported	Sampldte:	29-OCT-91
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	G015052		
Anal dte:	31-OCT-91	Smplsrce:	KITCHEN FAUCET
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	0
Bctcolml:	0	Bact s u:	S
No3r:	Not Reported	No3:	5
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	Not Reported
Case mat:	STEEL	Cs mt rel:	Not Reported
Case diam:	6	Csdia rel:	K
Year cons:	1965	Yr rel:	K
Agentfirst:	RETA	Agentlast:	BRONNER
Created:	toehler 03/25/99 15:26:25	Updated:	cpartai 03/25/99 16:02:57
Flag:	YNNNNNNYNNNNNNNNNNN		
Utm x:	569480.06		
Utm y:	4803580.31		
Site id:	IAPR30000054732		

AJ187
WNW
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000049068**

Recordno:	49068	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	21
Qqqqq:	NE NE	Q abc:	AA
Checked:	esmith 11/24/98 15:38:26	Ownerfirst:	MARION
Ownerlast:	HOVE	Owneraddr:	9449 VALLEY AVE.
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	Not Reported
County:	45	Legal:	NENE21 9911W
Depth:	96	Dpth rel:	K
Permit:	Not Reported	Sampldte:	03-AUG-98
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	G16565		
Anal dte:	06-AUG-98	Smplsrce:	KITCHEN SINK
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	2.20000004768372
Bctcolml:	0	Bact s u:	U
No3r:	Not Reported	No3:	4
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	K
Case mat:	STEEL	Cs mt rel:	K
Case diam:	6	Csdia rel:	K
Year cons:	1965	Yr rel:	K
Agentfirst:	LACINDA	Agentlast:	ALTMAN
Created:	esmith 10/30/98 10:54:28	Updated:	esmith 11/24/98 15:38:26
Flag:	YNNNNYNNNNNNNNNNNNN		
Utm x:	569480.06		
Utm y:	4803580.31		
Site id:	IAPR30000049068		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database | EDR ID Number

AJ188
WNW
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000032881**

Recordno:	32881	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	21
Qqqqq:	NE NE	Q abc:	AA
Checked:	bbierma 07/30/97 10:52:32	Ownerfirst:	MARION
Ownerlast:	HOVE	Owneraddr:	RR 3 BOX 22
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	Not Reported
County:	45	Legal:	NENE21 9911W
Depth:	96	Dpth rel:	U
Permit:	Not Reported	Sampldte:	19-MAY-97
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	G9260		
Anal dte:	22-MAY-97	Smplsrce:	KITCHEN SINK
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	2.20000004768372
Bctcolml:	0	Bact s u:	S
No3r:	Not Reported	No3:	6
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	K
Case mat:	STEEL	Cs mt rel:	K
Case diam:	6	Csdia rel:	K
Year cons:	1965	Yr rel:	K
Agentfirst:	LACINDA	Agentlast:	ALTMAN
Created:	ehuffma 07/29/97 13:50:53	Updated:	bbierma 07/30/97 10:52:32
Flag:	YNNNNYNNNNNNNNNNNNN		
Utm x:	569480.06		
Utm y:	4803580.31		
Site id:	IAPR30000032881		

AJ189
WNW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000181552**

Mapid:	181552	Wellid:	9329
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 21, NE, NE
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	96	C p date:	1965
Owner name:	Hove, Marion		
Other info:	Drilling method: Drilled; Estimated well depth		
Xcoord:	569461.69		
Ycoord:	4803790		
Hlink:	Not Reported		
Site id:	IAPU30000181552		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database | EDR ID Number

AJ190
WNW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000181549**

Mapid:	181549	Wellid:	7012
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 21, NE, NE
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	96	C p date:	1965
Owner name:	Hove, Marion		
Other info:	Drilling method: Drilled; Well depth is uncertain		
Xcoord:	569457.69		
Ycoord:	4803787		
Hlink:	Not Reported		
Site id:	IAPU30000181549		

AJ191
WNW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000181537**

Mapid:	181537	Wellid:	54732
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 21, NE, NE
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	unkn	C p date:	1965
Owner name:	Hove, Marion		
Other info:	Drilling method: Drilled; Well depth is uncertain		
Xcoord:	569457.69		
Ycoord:	4803790		
Hlink:	Not Reported		
Site id:	IAPU30000181537		

AJ192
WNW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000181543**

Mapid:	181543	Wellid:	49068
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 21, NE, NE
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	96	C p date:	1965
Owner name:	Hove, Marion		
Other info:	Drilling method: Drilled; Known well depth		
Xcoord:	569456.69		
Ycoord:	4803792		
Hlink:	Not Reported		
Site id:	IAPU30000181543		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AG193
SW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000181930**

Mapid:	181930	Wellid:	2134012
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 22, SE, SE, SE, SE, NW
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	75	C p date:	01/01/1901
Owner name:	Not Reported		
Other info:	Status: Inactive; Well use: Livestock		
Xcoord:	569688.249629		
Ycoord:	4802269.0074		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2134012&reportName=WellPrintout		
Site id:	IAPU30000181930		

AG194
SW
1/2 - 1 Mile
Lower

IA WELLS **IAPW30000052318**

Objectid:	52318	Iwellid:	2159814
Wellnmbr:	2134012	Pmtnmbr:	Not Reported
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	22		
Qqqqq:	SE, SE, SE, SE, NW		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	75		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.370052		
Longitude:	-92.139839		
Dte done:	01-JAN-01		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	Not Reported		
Cnstr mthd:	Unknown		
Fm rmk:	Not Reported		
Well use:	Livestock		
Status:	Inactive		
Ht pmp no:	0		
Permit:	Not Reported	Plugging:	X
Renovate:	Not Reported	Test:	Not Reported
Xcoord:	569688.249629		
Ycoord:	4802269.0074		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	0

Has constr:	0
Wnumber:	0
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2134012&reportName=WellPrintout
Site id:	IAPW30000052318

AG195
SW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000181928**

Mapid:	181928	Wellid:	2135017
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 22, SE, SE, SE, SE, NW
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	21	C p date:	01/01/1901
Owner name:	Not Reported		
Other info:	Status: Inactive; Well use: Household		
Xcoord:	569688.209831		
Ycoord:	4802265.00854		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2135017&reportName=WellPrintout		
Site id:	IAPU30000181928		

AG196
SW
1/2 - 1 Mile
Lower

IA WELLS **IAPW30000052864**

Objectid:	52864	Iwellid:	2161969
Wellnmbr:	2135017	Pmtnmbr:	Not Reported
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	22		
Qqqqq:	SE, SE, SE, SE, NW		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	21		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.370016		
Longitude:	-92.13984		
Dte done:	01-JAN-01		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	Not Reported		
Cnstr mthd:	Unknown		
Fm rmk:	Not Reported		
Well use:	Household		
Status:	Inactive		
Ht pmp no:	0		
Permit:	Not Reported	Plugging:	X
Renovate:	Not Reported	Test:	Not Reported
Xcoord:	569688.209831		
Ycoord:	4802265.00854		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	0

Has constr:	0
Wnumber:	0
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2135017&reportName=WellPrintout
Site id:	IAPW30000052864

AL197
WSW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000181669**

Mapid:	181669	Wellid:	53837
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 21, SE, SE
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	90	C p date:	1975
Owner name:	MacKenburg, Dale		
Other info:	Drilling method: Drilled; Known well depth		
Xcoord:	569475.44		
Ycoord:	4802583		
Hlink:	Not Reported		
Site id:	IAPU30000181669		

AL198
WSW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000181672**

Mapid:	181672	Wellid:	26419
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 21, SE, SE
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	unkn	C p date:	1975
Owner name:	MacKenburg, Dale		
Other info:	Drilling method: Drilled; Well depth is uncertain		
Xcoord:	569464.44		
Ycoord:	4802582		
Hlink:	Not Reported		
Site id:	IAPU30000181672		

AL199
WSW
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000026419**

Recordno:	26419	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	21
Qqqqq:	SE SE	Q abc:	DD
Checked:	lmcmull 05/19/97 14:10:03	Ownerfirst:	DALE
Ownerlast:	MACKENBURG	Owneraddr:	139 B
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	3195474687
County:	45	Legal:	SESE21 9911W
Depth:	0	Dpth rel:	U

Permit:	Not Reported	Sampldte:	22-MAY-90
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	G036238		
Anal dte:	30-DEC-99	Smplsrce:	DRINKING FAUCET
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	0
Bctcolml:	0	Bact s u:	S
No3r:	Not Reported	No3:	25
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	Not Reported
Case mat:	STEEL	Cs mt rel:	Not Reported
Case diam:	7	Csdia rel:	Not Reported
Year cons:	1975	Yr rel:	Not Reported
Agentfirst:	LEE	Agentlast:	PETERSON
Created:	pheesch 05/14/97 13:14:31	Updated:	lmcmull 05/19/97 14:10:03
Flag:	YNNNNYNNNNNNNNNNNNN		
Utm x:	569480.88		
Utm y:	4802362.13		
Site id:	IAPR30000026419		

AL200
WSW
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000053837**

Recordno:	53837	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	21
Qqqqq:	SE SE	Q abc:	DD
Checked:	cpartai 03/31/99 15:43:25	Ownerfirst:	DALE
Ownerlast:	MACKENBURG	Owneraddr:	139 B
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	3195474687
County:	45	Legal:	SESE21 9911W
Depth:	90	Dpth rel:	K
Permit:	Not Reported	Sampldte:	24-JUL-95
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	G016781		
Anal dte:	27-JUL-95	Smplsrce:	DRINKING FAUCET
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	0
Bctcolml:	0	Bact s u:	S
No3r:	Not Reported	No3:	26
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	Not Reported
Case mat:	STEEL	Cs mt rel:	Not Reported
Case diam:	7	Csdia rel:	Not Reported
Year cons:	1975	Yr rel:	Not Reported
Agentfirst:	ANN	Agentlast:	NOVAK
Created:	lweyns 03/05/99 15:31:46	Updated:	cpartai 03/31/99 15:43:25
Flag:	YNNNNYNYNNNNNNNNNNN		
Utm x:	569480.88		
Utm y:	4802362.13		
Site id:	IAPR30000053837		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AL201
WSW
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000061640**

Recordno:	61640	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	21
Qqqqq:	SE SE	Q abc:	DD
Checked:	cpartai 02/11/00 13:40:37	Ownerfirst:	DALE
Ownerlast:	MACKENBURG	Owneraddr:	139 B
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	3195474687
County:	45	Legal:	SESE21 9911W
Depth:	90	Dpth rel:	K
Permit:	Not Reported	Sampldte:	20-SEP-99
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	G22215		
Anal dte:	23-SEP-99	Smplsrce:	BATHROOM
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	0
Bctcolml:	0	Bact s u:	S
No3r:	Not Reported	No3:	25
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	Not Reported
Case mat:	STEEL	Cs mt rel:	Not Reported
Case diam:	7	Csdia rel:	Not Reported
Year cons:	1975	Yr rel:	Not Reported
Agentfirst:	LACINDA	Agentlast:	ALTMAN
Created:	nreimer 02/11/00 11:20:54	Updated:	cpartai 02/11/00 13:40:37
Flag:	YNNNNYNYNNNNNNNNNNN		
Utm x:	569480.88		
Utm y:	4802362.13		
Site id:	IAPR30000061640		

AL202
WSW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000181663**

Mapid:	181663	Wellid:	61640
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 21, SE, SE
County:	Howard	Est loc ac:	Calc. +/- 285m.
Depth:	90	C p date:	1975
Owner name:	MacKenburg, Dale		
Other info:	Drilling method: Drilled; Known well depth		
Xcoord:	569465.44		
Ycoord:	4802566		
Hlink:	Not Reported		
Site id:	IAPU30000181663		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AK203
East
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000184484**

Mapid:	184484	Wellid:	2075347
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 23, SW, NW, SW, NW, NW
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	70	C p date:	12/11/2001
Owner name:	Foote, Steve		
Other info:	Status: Plugged; Well use: Household		
Xcoord:	572292.53065		
Ycoord:	4803012.53286		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2075347&reportName=WellPrintout		
Site id:	IAPU30000184484		

AK204
East
1/2 - 1 Mile
Higher

IA WELLS **IAPW30000000206**

Objectid:	206	Iwellid:	2075551
Wellnmbr:	2075347	Pmtnmbr:	Not Reported
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	23		
Qqqqq:	SW, NW, SW, NW, NW		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	70		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.3765		
Longitude:	-92.1076		
Dte done:	11-DEC-01		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	Foote, Steve		
Cnstr mthd:	Unknown		
Fm rmk:	Not Reported		
Well use:	Household		
Status:	Plugged		
Ht pmp no:	0		
Permit:	Not Reported	Plugging:	X
Renovate:	Not Reported	Test:	Not Reported
Xcoord:	572292.53065		
Ycoord:	4803012.53286		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	0

Has constr:	0
Wnumber:	0
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2075347&reportName=WellPrintout
Site id:	IAPW30000000206

AM205
NW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000181632**

Mapid:	181632	Wellid:	79
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 16, SE, SE, SE
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	39	C p date:	n.a.
Owner name:	Phillips, Richard		
Other info:	Well plugged: 11/8/1989; Well type: < 18" dia.		
Xcoord:	569563.19		
Ycoord:	4804091		
Hlink:	Not Reported		
Site id:	IAPU30000181632		

AM206
NW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000181611**

Mapid:	181611	Wellid:	82369
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 16, SE, SE, SE
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	300	C p date:	1967
Owner name:	Phillips, Richard		
Other info:	Drilling method: Drilled; Known well depth		
Xcoord:	569568.19		
Ycoord:	4804103		
Hlink:	Not Reported		
Site id:	IAPU30000181611		

AM207
NW
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000082369**

Recordno:	82369	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	16
Qqqqq:	SE SE SE	Q abc:	DDD
Checked:	mwillia 06/13/01 11:53:37	Ownerfirst:	RICHARD
Ownerlast:	PHILLIPS	Owneraddr:	21925 90TH ST
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	Not Reported
County:	45	Legal:	SESESE16 9911W
Depth:	300	Dpth rel:	K

Permit:	Not Reported	Sampldte:	27-MAR-01
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	Not Reported		
Anal dte:	30-DEC-99	Smplsrce:	KITCHEN FAUCET
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	0
Bctcolml:	0	Bact s u:	S
No3r:	Not Reported	No3:	2
No3 s u:	S	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	Not Reported
Case mat:	PLASTIC	Cs mt rel:	Not Reported
Case diam:	5	Csdia rel:	K
Year cons:	1967	Yr rel:	K
Agentfirst:	Not Reported	Agentlast:	Not Reported
Created:	mwillia 06/11/01 14:01:20	Updated:	mwillia 06/13/01 11:53:37
Flag:	YYNNYYNNNYYNNNNNNNNN		
Utm x:	569578.63		
Utm y:	4803884.38		
Site id:	IAPR30000082369		

AN208
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000184024**

Mapid:	184024	Wellid:	30166
Id src fld:	wnumber	Datasrc:	GEOU
Well type:	IGS well database	Location:	T. 99N., R. 11W., Sec. 26, NW
County:	HOWARD	Est loc ac:	Calc. +/- 570 m.
Depth:	138	C p date:	05/24/1989
Owner name:	HOLUB, IRVIN		
Other info:	Bedrock depth: 12; Well type: Private		
Xcoord:	571696.04		
Ycoord:	4801999.5		
Hlink:	http://www.igsb.uiowa.edu/webapps/geosam/Scripts/geocard.asp?wnumber=30166		
Site id:	IAPU30000184024		

AN209
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000184035**

Mapid:	184035	Wellid:	5017
Id src fld:	recordno	Datasrc:	PLUG
Well type:	Registered abandoned wells	Location:	T. 99 N., R. 11 W., Sec. 26, NW
County:	Howard	Est loc ac:	Calc. +/- 570m.
Depth:	35	C p date:	n.a.
Owner name:	Quam, Linda		
Other info:	Well plugged: 5/29/1991; Well type: < 18" dia.		
Xcoord:	571702.06		
Ycoord:	4802002		
Hlink:	Not Reported		

Site id: IAPU30000184035

AN210
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000184009**

Mapid:	184009	Wellid:	13386
Id src fld:	recordno	Datasrc:	PVTP
Well type:	Permitted private wells	Location:	T. 99 N., R. 11 W., Sec. 26, , , , NW
County:	Howard	Est loc ac:	Calc. +/- 570m.
Depth:	130	C p date:	4/19/1989
Owner name:	Unkn		
Other info:	Primary use: Irrigation		
Xcoord:	571697.06		
Ycoord:	4801997		
Hlink:	Not Reported		
Site id:	IAPU30000184009		

AM211
WNW
1/2 - 1 Mile
Lower

IA WELLS **IAPW30000000813**

Objectid:	813	Iwellid:	2077240
Wellnmbr:	2076431	Pmtnmbr:	Not Reported
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	16		
Qqqqq:	SW, SW, SW, SE, NE		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	300		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.3861		
Longitude:	-92.1418		
Dte done:	01-JAN-67		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	Phillips, Richard		
Cnstr mthd:	Unknown		
Fm rmk:	Not Reported		
Well use:	Household, Livestock		
Status:	Active		
Ht pmp no:	0		
Permit:	Not Reported	Plugging:	Not Reported
Renovate:	Not Reported	Test:	X
Xcoord:	569511.037483		
Ycoord:	4804049.60424		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	1

Has constr:	0
Wnumber:	0
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2076431&reportName=WellPrintout
Site id:	IAPW30000000813

AM212
WNW
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000181557**

Mapid:	181557	Wellid:	2076431
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 16, SW, SW, SW, SE, NE
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	300	C p date:	01/01/1967
Owner name:	Phillips, Richard		
Other info:	Status: Active; Well use: Household, Livestock		
Xcoord:	569511.037483		
Ycoord:	4804049.60424		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2076431&reportName=WellPrintout		
Site id:	IAPU30000181557		

213
South
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000183156**

Mapid:	183156	Wellid:	22548
Id src fld:	recordno	Datasrc:	PVTP
Well type:	Permitted private wells	Location:	T. 99 N., R. 11 W., Sec. 27, NE, SW, SE
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	150	C p date:	9/15/1998
Owner name:	Fenske		
Other info:	Primary use: household		
Xcoord:	570775.38		
Ycoord:	4801691.5		
Hlink:	Not Reported		
Site id:	IAPU30000183156		

AO214
South
1/2 - 1 Mile
Lower

IA WELLS **IAPU30000182974**

Mapid:	182974	Wellid:	46251
Id src fld:	recordno	Datasrc:	TEST
Well type:	Wells registered for testing	Location:	T. 99 N., R. 11 W., Sec. 27, NE, SW, SW
County:	Howard	Est loc ac:	Calc. +/- 140m.
Depth:	74	C p date:	unkn
Owner name:	Bohle, Mark		
Other info:	Drilling method: Drilled; Known well depth		
Xcoord:	570589.69		
Ycoord:	4801682		
Hlink:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Site id: IAPU30000182974

AO215
South
1/2 - 1 Mile
Lower

IA WELLS **IAPR30000046251**

Recordno:	46251	Twp:	99
N s:	N	Rge:	11
E w:	W	Sec:	27
Qqqqq:	NE SW SW	Q abc:	ACC
Checked:	esmith 07/22/98 14:58:18	Ownerfirst:	MARK
Ownerlast:	BOHLE	Owneraddr:	704 VERNON RD.
Ownercity:	CRESCO	Ownerst:	IA
Ownerzip:	52136	Ownerphone:	Not Reported
County:	45	Legal:	SWSWNE27 9911W
Depth:	74	Dpth rel:	K
Permit:	Not Reported	Sampldte:	09-JUN-98
Lab:	UNIVERSITY HYGIENIC LABORATORY		
Lab no:	Not Reported		
Anal dte:	30-DEC-99	Smplsrce:	HYDRANT
Bact ltb:	Not Reported	Bact bgb:	Not Reported
Bactr:	Not Reported	Bact:	0
Bctcolml:	0	Bact s u:	U
No3r:	Not Reported	No3:	61
No3 s u:	U	Nitrogen:	0
Drl mthd:	DRILLED	Drlmth rel:	Not Reported
Case mat:	STEEL	Cs mt rel:	Not Reported
Case diam:	6	Csdia rel:	K
Year cons:	0	Yr rel:	U
Agentfirst:	LACINDA	Agentlast:	ALTMAN
Created:	esmith 07/10/98 14:24:17	Updated:	esmith 07/22/98 14:58:18
Flag:	NYYNYYYNYNNYYYNNNNNNN		
Utm x:	570597.06		
Utm y:	4801469.81		
Site id:	IAPR30000046251		

AP216
SSE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183935**

Mapid:	183935	Wellid:	2407438
Id src fld:	tinwsf_is_number	Datasrc:	SDWI
Well type:	SDWIS well	Location:	T99N, R11W, Sec. 26, NW, SW, NE
County:	Howard	Est loc ac:	+/- 15 m.
Depth:	1120	C p date:	01/01/1989
Owner name:	Cresco Waterworks		
Other info:	Well # 4 (1989); PWSID: 4515087; Status: Active		
Xcoord:	571612		
Ycoord:	4801880		
Hlink:	https://facilityexplorer.iowadnr.gov/FacilityExplorer/SiteDetail.aspx?facID=310345203		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Site id: IAPU30000183935

AP217
SSE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000183966**

Mapid:	183966	Wellid:	30521
Id src fld:	Wnumber	Datasrc:	PUB
Well type:	Public wells	Location:	T. 99N., R. 11W., Sec. 26
County:	Howard	Est loc ac:	GPS
Depth:	1120	C p date:	11/01/1989
Owner name:	Cresco, City Of		
Other info:	Local name: Cresco #4; Status: Active		
Xcoord:	571612		
Ycoord:	4801880		
Hlink:	http://www.igsb.uiowa.edu/webapps/geosam/Scripts/geocard.asp?wnumber=30521		
Site id:	IAPU30000183966		

AQ218
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPW30000060517**

Objectid:	60517	Iwellid:	2184105
Wellnmbr:	2145150	Pmtnmbr:	Not Reported
Twp:	99		
Rge:	11		
Ew:	W		
Sec:	23		
Qqqqq:	SE, SW, SW, SW, NE		
Elev:	0		
Elev acc:	Not Reported		
Well depth:	55		
Br depth:	0		
Wtr depth:	0		
Latitude:	43.369899		
Longitude:	-92.110391		
Dte done:	01-JAN-01		
Cty num:	45		
County:	Howard		
Drlr name:	Not Reported		
Owner name:	Labosky, Joe		
Cnstr mthd:	Unknown		
Fm rmk:	Not Reported		
Well use:	Household		
Status:	Plugged		
Ht pmp no:	0		
Permit:	Not Reported	Plugging:	X
Renovate:	Not Reported	Test:	Not Reported
Xcoord:	572074.25055		
Ycoord:	4802277.03489		
Horiz acc:	Not Reported	Has litho:	0
Has prod:	0	Has wq:	0

Has constr:	0
Wnumber:	0
Hlink:	https://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2145150&reportName=WellPrintout
Site id:	IAPW30000060517

AQ219
SE
1/2 - 1 Mile
Higher

IA WELLS **IAPU30000184342**

Mapid:	184342	Wellid:	2145150
Id src fld:	wellnmbr	Datasrc:	PWTS
Well type:	Private well tracking system	Location:	T. 99 N., R. 11W., Sec. 23, SE, SW, SW, SW, NE
County:	Howard	Est loc ac:	nom. +/- 25m.
Depth:	55	C p date:	01/01/1901
Owner name:	Labosky, Joe		
Other info:	Status: Plugged; Well use: Household		
Xcoord:	572074.25055		
Ycoord:	4802277.03489		
Hlink:	http://programs.iowadnr.gov/pwts/ViewReport.aspx?parameters=vchWellNmbr%5ct2145150&reportName=WellPrintout		
Site id:	IAPU30000184342		

AP220
SSE
1/2 - 1 Mile
Lower

FED USGS **USGS40000322579**

Org. Identifier:	USGS-IA		
Formal name:	USGS Iowa Water Science Center		
Monloc Identifier:	USGS-432158092065801		
Monloc name:	099N11W26BCA 30521 1989Cresco 4		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	07060004	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	43.3660792
Longitude:	-92.1162772	Sourcemap scale:	24000
Horiz Acc measure:	Unknown	Horiz Acc measure units:	Unknown
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	1288
Vert measure units:	feet	Vertacc measure val:	1
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Cambrian-Ordovician aquifer system		
Formation type:	Cambrian System		
Aquifer type:	Confined single aquifer		
Construction date:	19891101	Welldepth:	1120
Welldepth units:	ft	Wellholedepth:	1120
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 29

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2004-08-03	320		2004-05-05	320	
2004-02-04	320		2003-11-13	355	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
2003-08-13	320	
2003-02-11	322	
2002-08-06	320	
2002-02-13	328	
2001-08-03	355	
2001-02-14	353	
2000-08-07	352	
2000-02-14	352	
1999-08-02	340	
1998-08-04	320	
1998-02-11	320.00	
1997-08-05	320.00	
1997-02-12	320	
2003-05-06	318	
2002-11-20	322	
2002-04-30	320	
2001-11-07	355	
2001-05-08	338	
2000-11-07	352	
2000-05-09	355	
1999-11-08	353	
1999-05-04	320	
1998-05-05	0320	
1997-11-04	320.00	
1997-05-20	318	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: IA Radon

Radon Test Results

Zipcode	Num Tests	Minimum	Maximum	Average
52136	53	1	38	9

Federal EPA Radon Zone for HOWARD County: 1

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

Federal Area Radon Information for Zip Code: 52136

Number of sites tested: 7

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	Not Reported	Not Reported	Not Reported	Not Reported
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	6.957 pCi/L	14%	86%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

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

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

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

State Wetlands Data: National Wetland Inventory of Iowa
Source: Department of Natural Resources
Telephone: 319-335-1575

HYDROGEOLOGIC INFORMATION

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

GEOLOGIC INFORMATION

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

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

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

All Known Water Wells in the State of Iowa
Source: Department of Natural Resources
Telephone: 319-335-1353
Well types included are agricultural drainage, permitted private, public, registered abandoned, SDWIS public, water use permit sites, wells registered for testing.

Permitted Private Wells
Source: Department of Natural Resources
Telephone: 319-335-1353
This is a point coverage for private wells for which permits have been issued since 1987. Most permits were recorded in counties which are in the state drinking water program.

Private Well Tracking System Wells
Source: Department of Natural Resources
Telephone: 319-335-1353

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Database
Source: Department of Natural Resources
Oil and gas well locations.

RADON

State Database: IA Radon
Source: Department of Public Health
Telephone: 515-281-4340
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.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

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

STREET AND ADDRESS INFORMATION

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Appendix H

Subject Property Photographs

Photo 1 – View of East Loading and Unloading Area

Photo 2 – View of Main Building From East

Photo 3 – View of Trench Drain in Extruder Room

Photo 4 – View of Electric Forklift Charging Station

Photo 5 – View of Sanitation Chemicals

Photo 6 – View of General Maintenance Chemicals

Photo 7 – View of Pad Mounted Transformer

Photo 8 – View of Warehouse Storage

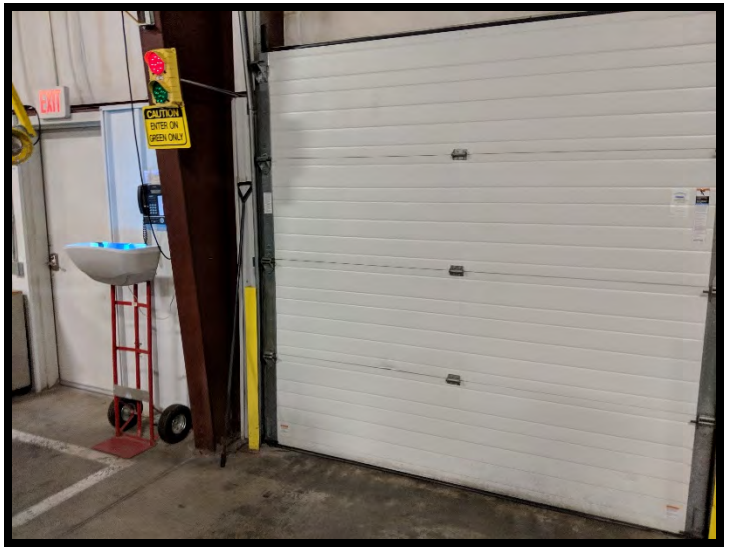

Photo 9 – View of Loading Bay Door

Photo 10 – View of Municipal Stormwater Culverts on SE Corner of Property

Photo 11 – View of Stormwater Flow Direction Along East Side of Property

Photo 12 – View of South Side of Property

WENCK
Responsive partner. Exceptional outcomes.

Photo 13 – View of North Side of Property Looking West

Photo 14 – View of Second Pad Mounted Transformer

WENCK
Responsive partner. Exceptional outcomes.

Appendix I

Research Summary

HIG Research Summary

Site Location
Subject Property
616 6th Avenue West
Cresco, IA

Requested by
Wenck Associates, Inc.
1800 Pioneer Creek Center P.O. Box 249
Maple Plain, MN

HIG Project #
2023397
Client Project #
0658-0025
Date Created
01/15/2019

Historical Information Gatherers

This Research Summary identifies the products and services provided by Historical Information Gatherers, Inc. (HIG) for the above referenced site location. All products are provided as PDFs unless otherwise noted.

Historical Aerial Photographs

Aerial photographs of the site location were used to create a multi-page file named AerialPhotos. Each aerial photograph has a title block that includes the year and scale of the photograph as well as project information submitted at the time the order was placed. The years provided are:

1937, 1941, 1950, 1957, 1964, 1971, 1979, 1983, 1990, 1994, 2002, 2009, 2011, 2015

City Directory Pages/Abstracts

Research Methodology: A search was conducted for city directories that include coverage of the site area using HIG's City Directory Collection and other sources, if needed.

Research Results: No city directory coverage was identified for the site area.

FIM+ Maps

The HIG Historical Map Collection and the United States Library of Congress Map Collection were searched for fire insurance maps (FIMs), real estate atlases and similar maps for the site location and adjoining properties. These maps were used to create a multi-page file named FIM+Maps. The maps have title blocks that include the map publisher, year the map was created and, if applicable, the year the map was last updated. The years provided are:

1894

Database Report

A GeoSearch Radius Report is provided as a file named DBR. Links to the text file, unlocatable report and zip report can be accessed by clicking on the paperclip icon within the GeoSearch report. Key information regarding the database listings is included in a separate Excel spreadsheet named DBRS.

Plat Map+

An online search was conducted for recent plat or parcel maps of the site location and coverage is provided in the file named PropertyMap.

In addition, a search was completed of the HIG Historical Map Collection for historical survey documents and cadastral maps. Maps that cover the site location were provided in a file named HistoricalMaps. The years of coverage provided are listed below.

1854, 1953

Topographic Maps

The HIG Historical Map Collection was searched for topographic maps for the site location and adjoining properties. Maps from the HIG Collection were used to create a multi-page file named TopoMaps. The years provided are:

1981, 2010, 2013, 2015

Up to four different topographic maps may have been used to create a unified map showing the site location in the center. Unified maps show subdued modern topo features where corresponding maps of the same year were not published. The date in large font on each map is the date HIG has attributed to the map based on the date of first publication, or the most recent date of map inspection or revision. The definitions below provide clarification regarding the dates included in the HIG title block for each map.

Base Map Year - The year when a topographic map was first published or the date the map was significantly revised and given a new base map date.
Photo Year - The date of the most recent aerial photography used to create, revise, or inspect the map.
Photoinspected Year - The year the base map was compared to a more recent aerial photograph. If the comparison showed that no changes were needed, the map was marked photoinspected and no changes were made to the map.
Photorevised Year - During the photo inspection process, if enough changes were observed, the map would be revised by adding the new features. These changes were not field checked and are shown in purple on the photorevised maps.

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